



How to construct your own exercises and tests

***TOOLS FOR SKILLS
INTEGRATED LEARNING OF ENGLISH AND FORESTRY
TEACHER TRAINING
PROJECT N° 2015-1-SE01-KA202-012255***



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CLOSED TYPE EXERCISES

The Hot Potatoes suite of programs

Hot Potatoes is a free, platform-independent software enabling you to generate interactive, Web-based exercises of different types. It is ideally placed for language learning applications, but can be used in many other applications and/or classes. Hot Potatoes was created by the University of Victoria Humanities Computing and Media Centre, distributed by Half-Baked Software, Inc., and its current version is 6.3.

Hot Potatoes provides an interactive learning environment where students can test themselves and, therefore, accelerate their learning process.

Hot Potatoes integrates seamlessly with various formats of image, audio and video files, etc. and supports Unicode. Therefore, it can generate multilingual, multimedia exercises with various graphics symbols, dingbats, math symbols and equations, etc. that can be distributed over the Internet.

The tool provides a back end for entering the exercise data, and a front end where the formatted exercise will be presented to the end user. The output is standard Web (html) pages supported by all major browsers, including Internet Explorer, Firefox, Chrome, Safari, Opera, etc.

No programming knowledge is required to run the Hot Potatoes software. To "train" the software, the user enters the exercise data, texts, pictures, answers, etc., makes any necessary configuration adjustments, and the software generates the output, which can be uploaded to a Webpage or run locally. All aspects of the software are easily customizable, although some knowledge of HTML or Javascript coding would greatly extend the features of the tool.

Hot Potatoes is pretty self-explanatory, and has an integrated help facility; moreover, it has a very good public support with active Yahoo (<https://groups.yahoo.com/neo/groups/hotpotatoesusers/info>) and Google user groups.

Hot Potatoes exercises can be exported to SCORM (Shareable Content Object Reference Model), which is a set of specifications designed to help sharing of learning material between different systems. This feature allows Hot Potatoes exercises to be shared in different Learning Management Systems (LMS), such as Moodle, Blackboard, and Sakai, and most importantly to interact with the LMS. For example, when a student starts working on an exercise, the LMS can start recording time, and when the student finishes, it will record the end time and the student's score. In this way, the LMS can keep track of students' academic performance (grades) and a host of other information.

The software contains five modules:

- **JQuiz** for creating short answer exercises, including multiple-choice questions, short answer questions, hybrid questions and multi-select



questions. The module can provide useful, answer-specific feedback for right answers and predicted wrong answers or distractors. Moreover, the student can ask for a hint in the form of a "free letter" from the answer.

A sample quiz is shown below

Next example

A Quiz made with JQuiz

Choose the correct answer for each question.

A Quiz made with JQuiz

This is a typical JQuiz quiz. In this box, there is a reading text. The reading text may be entered directly into the JQuiz program by choosing File / Add Reading Text. Alternatively, you may choose not to include a reading text at all. All of the Hot Potatoes applications allow you to include a reading text.

On the other side of the screen, you'll see the first of the questions. You can answer the first question by clicking on one of the answer buttons; you can keep choosing answers until you get one which is correct. When you've answered a question, you can move on to the next one using the arrow buttons above the question. You can also choose to see all the questions together, by clicking on the "Show all questions" button.

Show all questions

1 / 7 =>

What's the maximum number of answers you can include in a multiple-choice quiz question?

A. ☐ four

B. ☐ five

C. ☐ unlimited

Next example

- **JMix** for creating sequencing type exercises. The user is asked to put the provided words in the proper order based on punctuation and the words provided, and there can be as many correct answers as desired. A hint button provides help to the student in the form of the next correct letter of the word or segment of the sentence.

A sample quiz is shown below.

Next example

A Jumbled-Sentence Exercise made with JMix

Mixed-up sentence exercise

Put the parts in order to form a sentence. Click on a part to add it to the answer. When you think your sentence is correct, click on "Check" to check your answer. If you get stuck, click on "Hint" to find out the next correct part.

and . Hot Potatoes Windows available Macintosh is for

Next example

- **JCross** for creating crossword puzzles. The puzzle can be solved online, and an unlimited grid can be used. A hint button provides help in the form of a

Next example

A Crossword made with JCross

Crossword

4:46

Complete the crossword, then click on "Check" to check your answer. If you are stuck, you can click on "Hint" to get a free letter. Click on a number in the grid to see the clue or clues for that number.

This crossword also demonstrates the exercise timer, which you can add to any exercise.



Next example



letter opened each time. Better combined with a crossword compiler software.

- **JMatch** for creating matching type exercises. A list of fixed items appears on the left column, which can include images too, and a list of corresponding terms on the right column. Students must move each item from the right column and drop it next to the matching item on the left column. The following is a sample of the JMatch program.

[Next example](#)

A Matching Exercise made with JMatch

Drag-and-drop matching exercise

Drag the words on the right to match the items on the left.

When you have finished this exercise, close this browser window to return to the tutorial.

[Check](#)



beans

tomato

pie

beef

lettuce

carrots

- **JCloze** for creating fill in the blanks exercises. Students may be required to select the answer from a drop down menu for each blank, or to type in the correct one from a provided or not provided list. The program allows blanking selected words or automatic blanking of every nth word. A specific clue can be included for each blank.

The following is a sample of the Jcloze program.



A Gap-Fill with Drop-Downs and Individual Questions

Gapfill exercise

Enter your answers in the gaps. When you have entered all the answers, click on the "Check" button.

1. This exercise is created with .
2. It uses drop-down lists instead of text boxes. This is an option that you can choose in the screen.
3. Like all the other Hot Potatoes, JCloze allows you to control the on the Web page, so you can change the appearance of your pages quite easily.
4. You can also insert code directly into Hot Potatoes to create effects like this numbered list of questions.
5. If you want to create a set of numbered like the one above, you should use JQuiz instead of JCloze.

colours
Configuration
HTML
JCloze
questions

Check

Next example

In addition, there is a sixth program

- The **Masher**, for bundling together exercises generated with the previous modules.

With appropriate settings and/or free add-ons, this range may be extended to include types of questions like

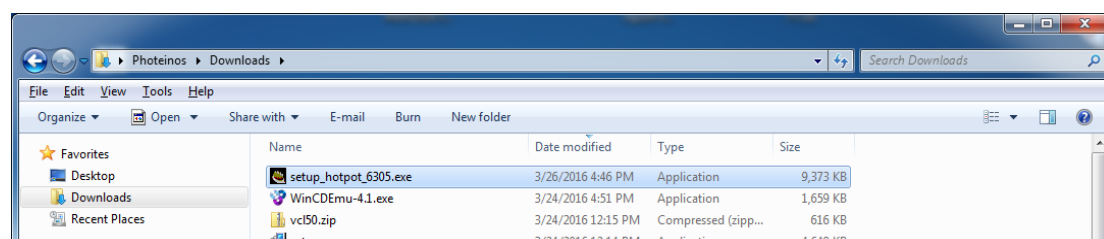
- multiple choice
- true or false
- reading comprehension
- listening comprehension
- dictation
- spelling
- translation
- flash cards
- word games (hangman)
- etc.

For a detailed discussion of the full capabilities and customization of the Hot Potatoes software, download the Hot Potatoes Help manual from https://hotpot.uvic.ca/hotpot6_help.pdf.

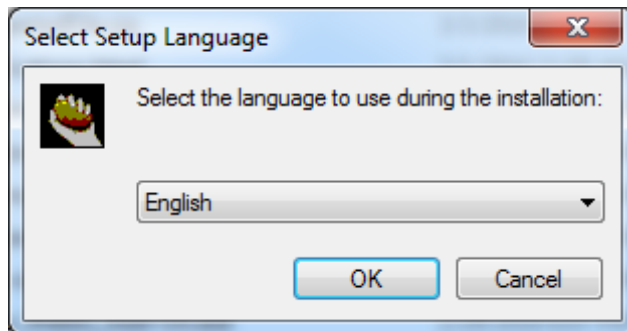
Download and installation

You can download the Hot Potatoes installer from <https://hotpot.uvic.ca/#downloads>. File setup_hotpot_6305.exe is about 9.5 MB and Hot Potatoes installation requires about 27 MB of free space on your HDD.

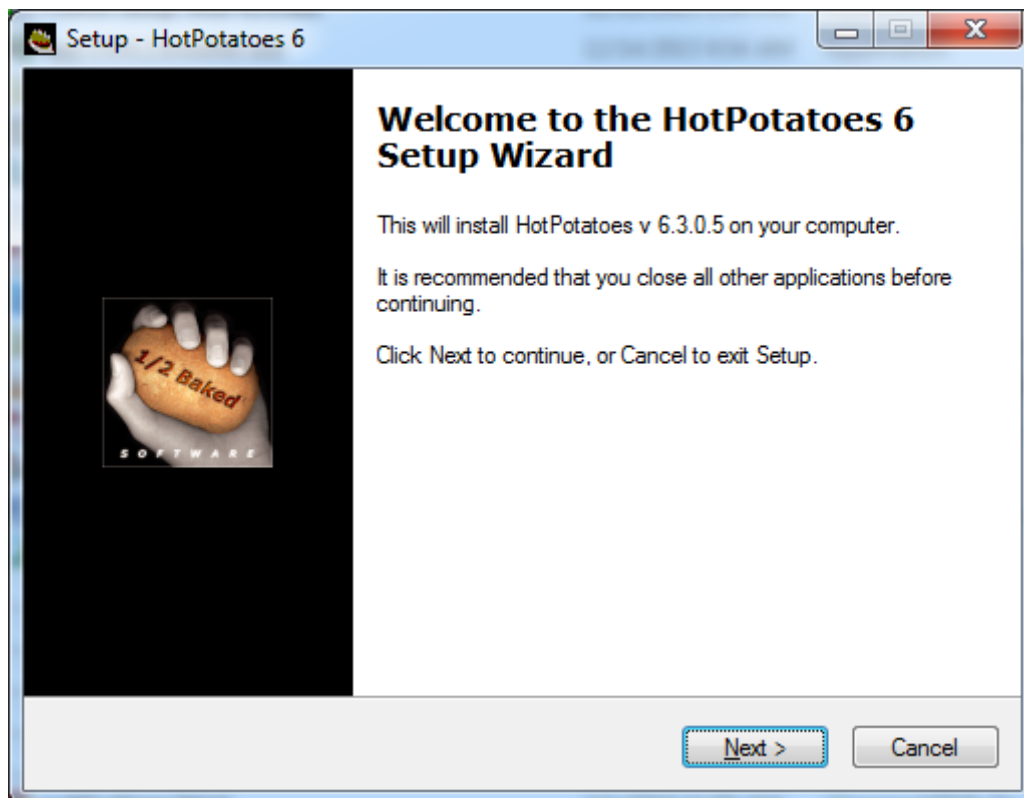
Right click on the file setup_hotpot_6305.exe and select "Run as administrator".



From the “Select Setup Language” dialog box, select the language of the installation and click OK.

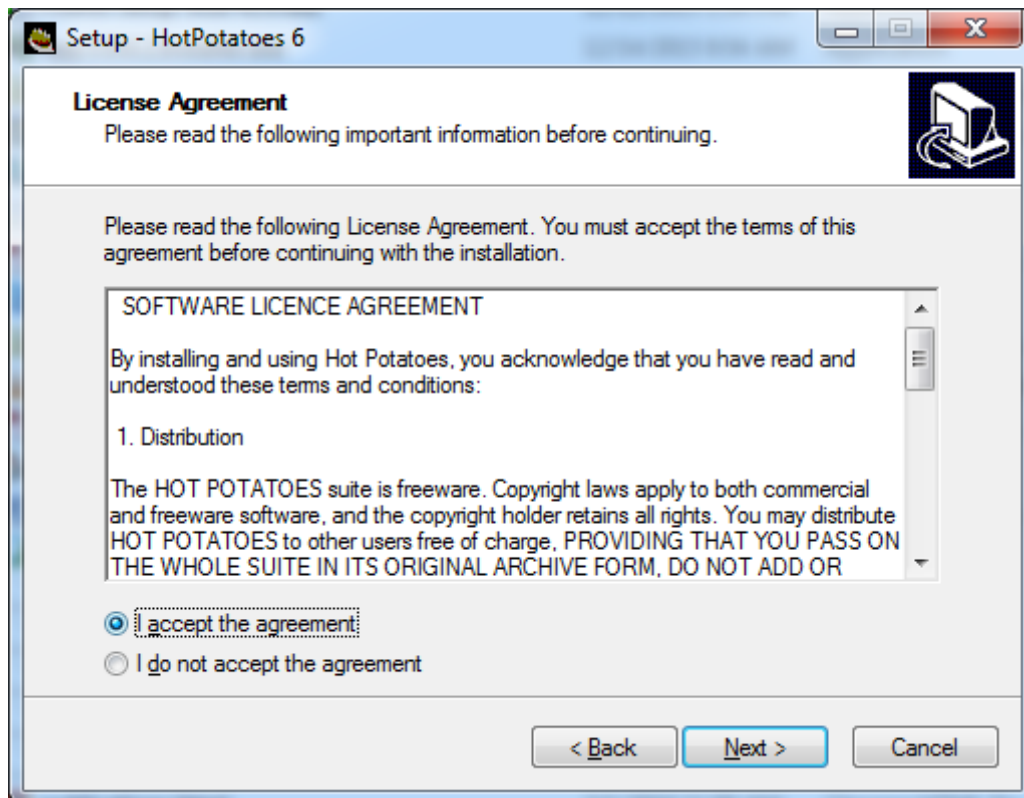


In the “Welcome to the HotPotatoes 6 Setup Wizard” dialog box, click on the “Next >” button to continue.

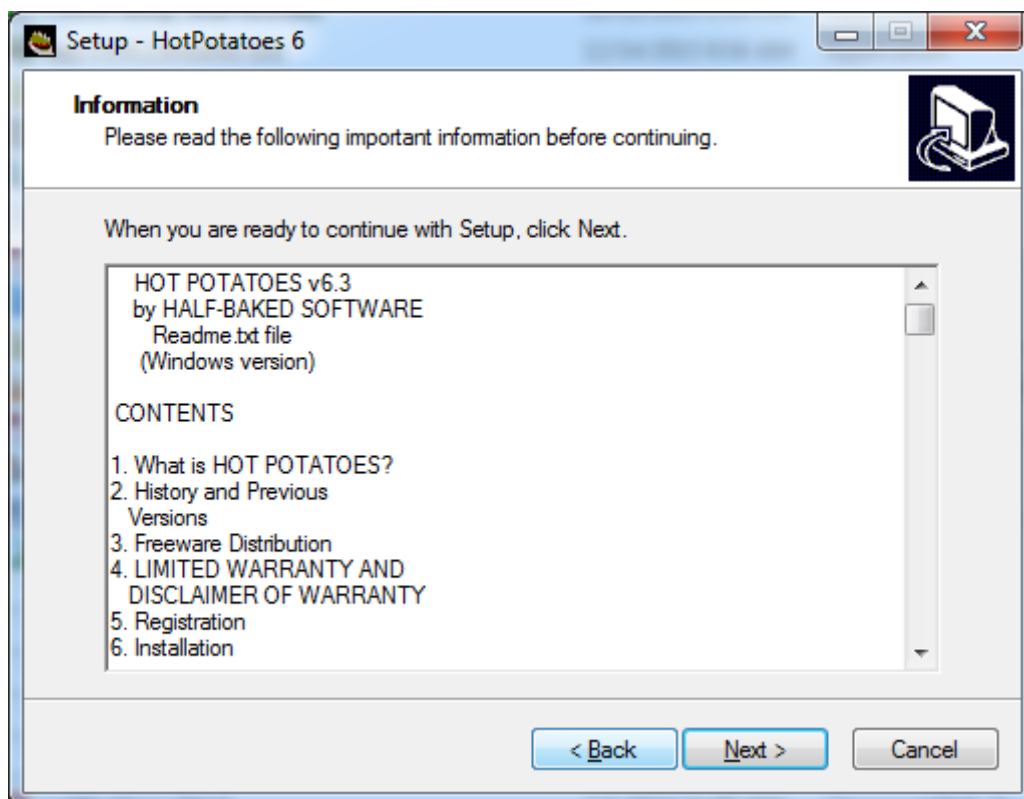


Click on the “I accept the agreement” radio button towards the bottom of the “License Agreement” dialog box, and click on the “Next >” button.



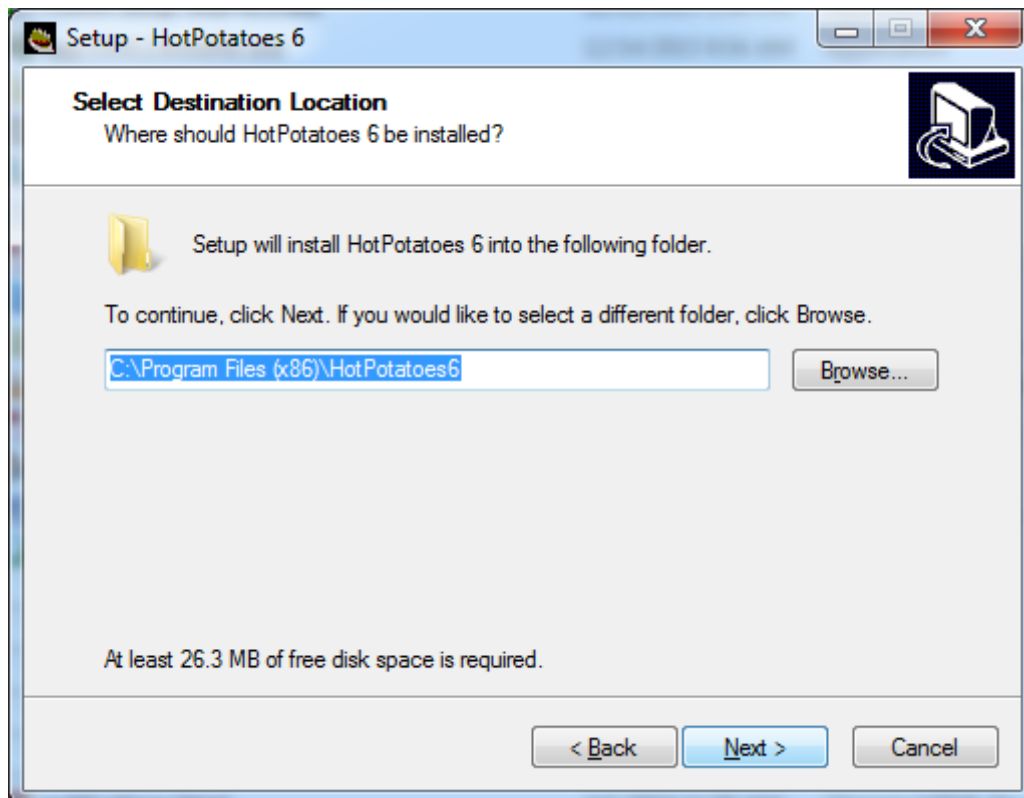


An Information pane will open listing the features of Hot Potatoes, as shown below.

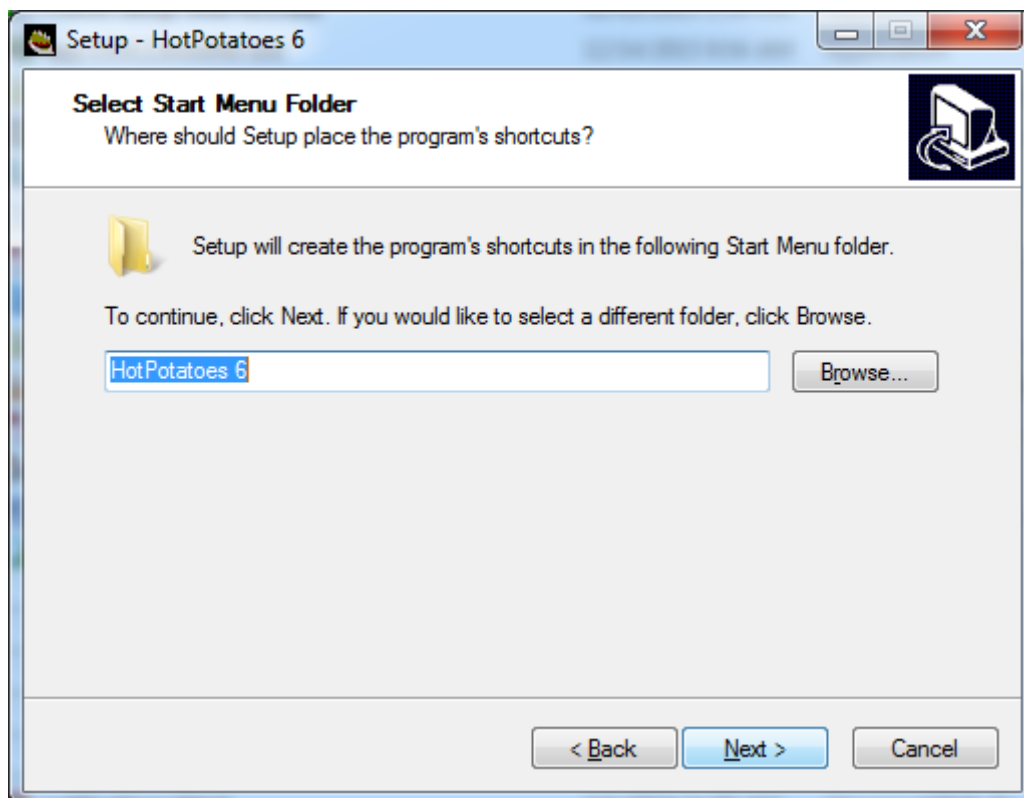


Click on the "Next >" button at the bottom.

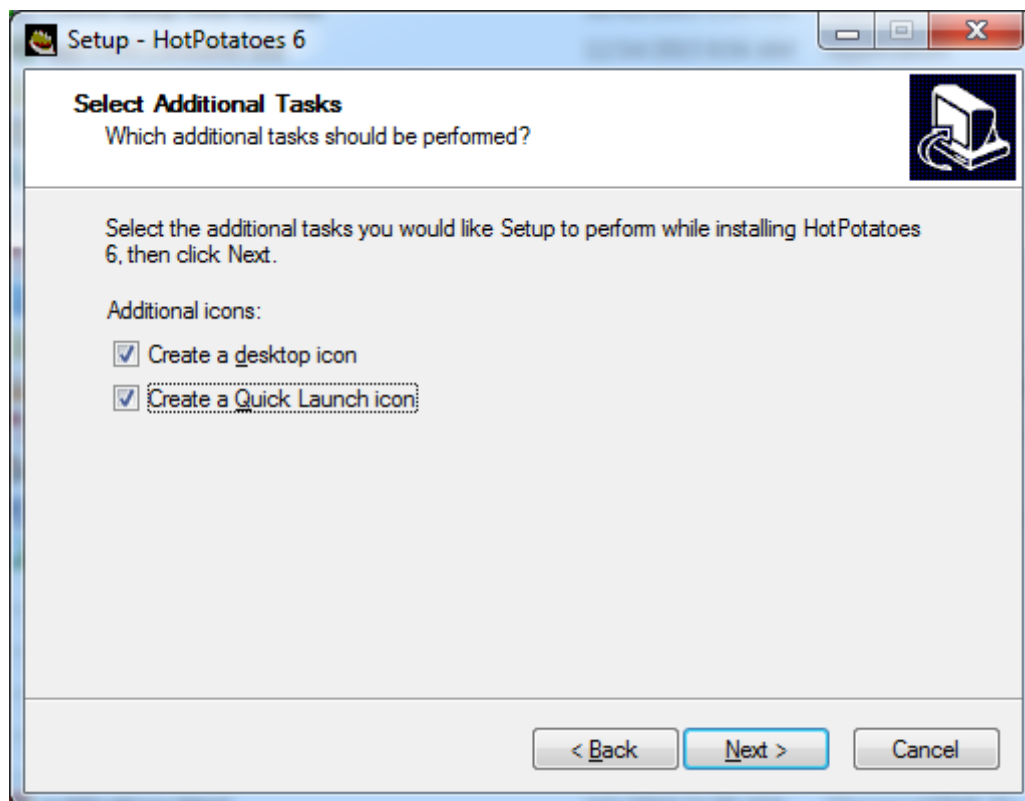




On the 'Select Destination Location' dialog box, click on the "Browse" button to specify the directory where Hot Potatoes will be installed, or leave the preselected directory, and click on the "Next >" button.

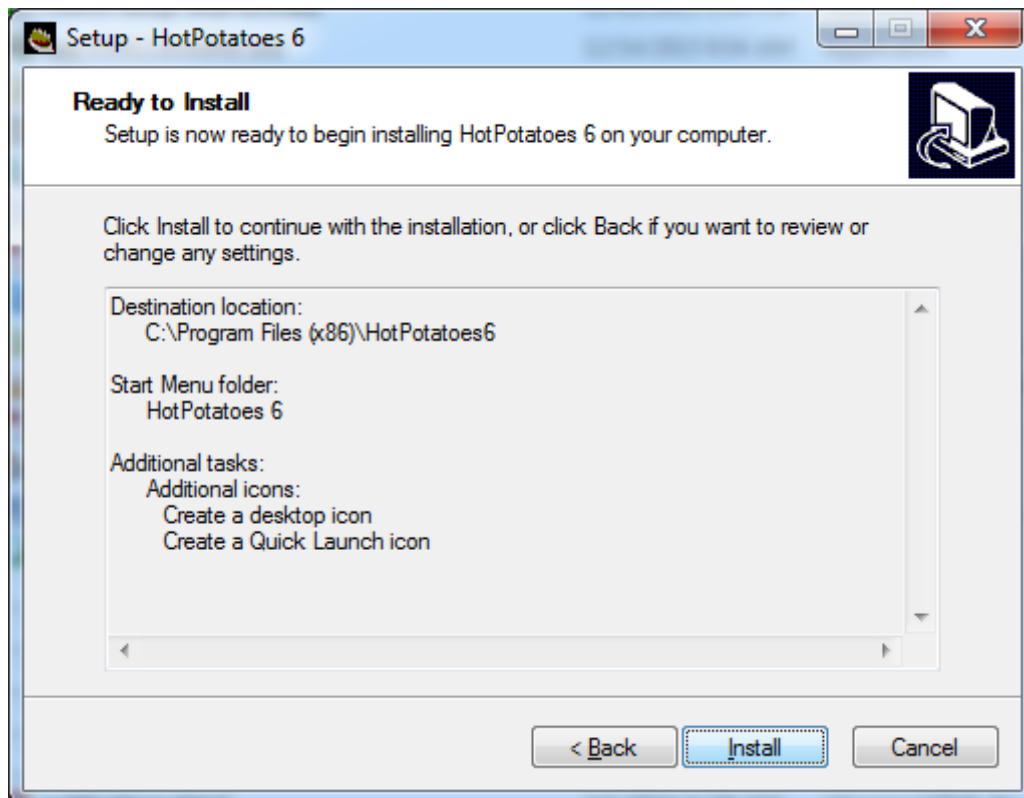


On the “Select Start Menu Folder”, click on the “Browse” button to specify the Hot Potatoes Start Menu folder, or leave it at the present location, and click on the “Next >” button at the bottom, to move to the next dialog box.

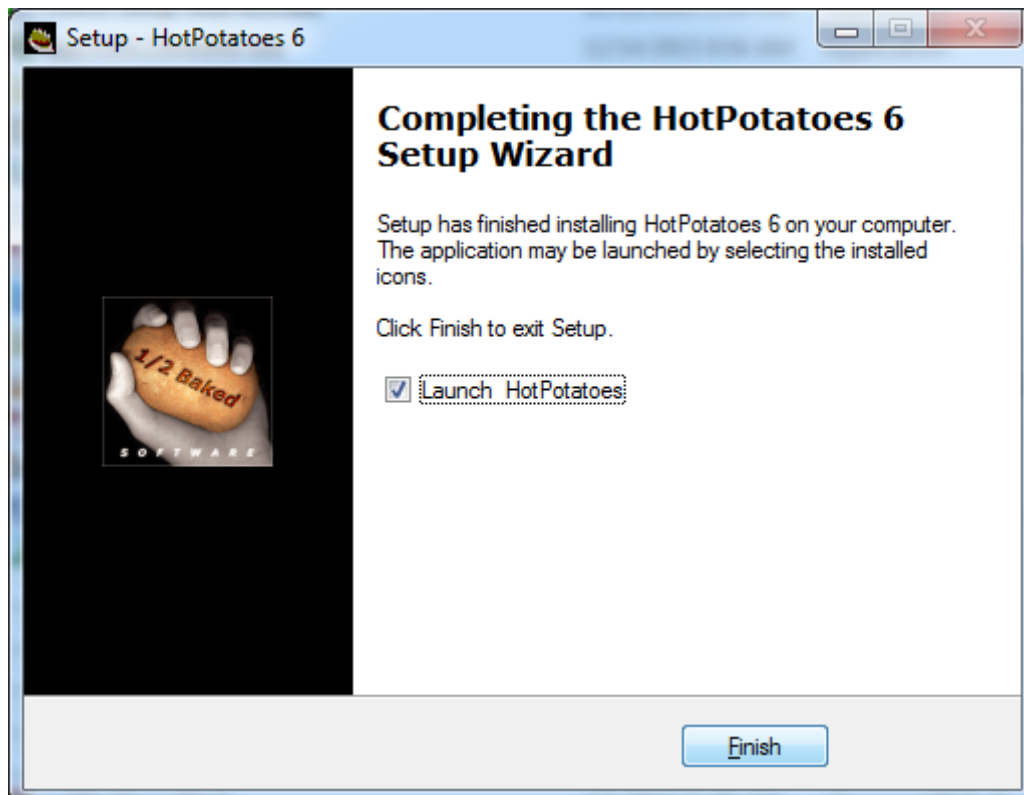


In the “Select Additional Tasks” dialog box, click on the "Create a desktop icon" and/or on the "Create a Quick Launch icon" check boxes to place a HotPotatoes start icon on your computer Desktop and/or a Quick Launch icon on the "Start" button of your Windows installation, respectively.





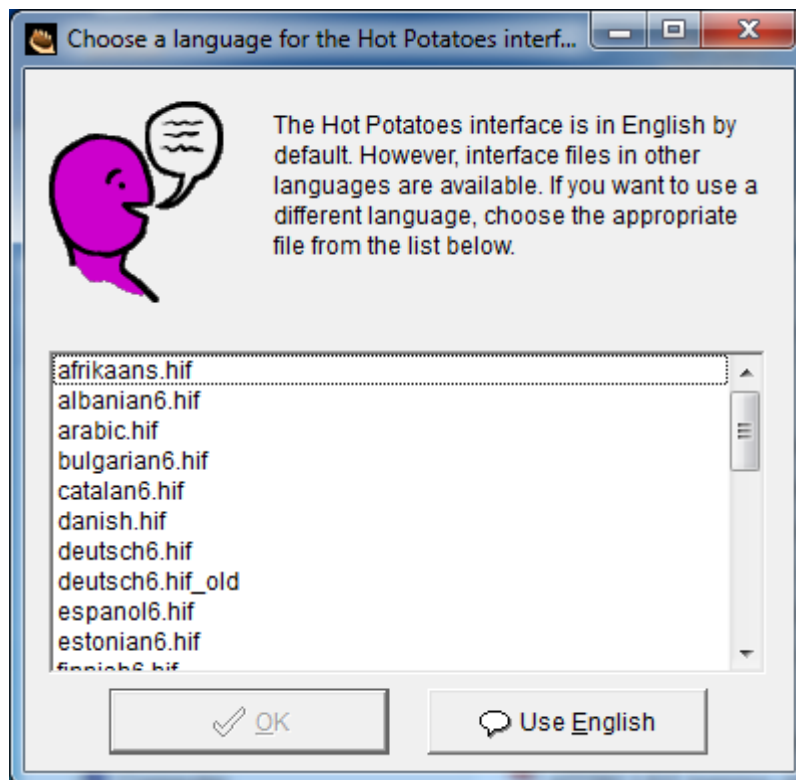
On the next screen, review the installation settings, and click on the "Install" button to start the installation.



Click on the "Finish" button of the "Completing the HotPotatoes 6 Setup Wizard" dialog box, to close the Setup Wizard, and launch Hot Potatoes.



In the next screen, type in your name in the “User name:” field and click on the “OK” button at the bottom of the dialog box.



Select the language of the Hot Potatoes interface files and click the “OK” button, or leave it in English and click the “Use English” button.

Hot Potatoes opens in the next screen.



You are now ready to use the Hot Potatoes software.

True or False Questions

From the opening screen of Hot Potatoes, click on the **JQuiz** icon.



The JQuiz program can provide four types of questions: multiple-choice, short-answer, hybrid (a short answer that changes into a multiple choice after several attempts), and multi-select (in which the student has to select several of a set of options, and then check the choices). Here, we will discuss how to create True or False questions, which are a special case of multiple choice questions. For more information on other types of questions, click on the “Help” tab of the Hot Potatoes toolbar.

In the Title field, enter a descriptive title for the Exercise you are about to prepare.



The screenshot shows the JQuiz software window titled "JQuiz: [Untitled]". The menu bar includes "File", "Edit", "Insert", "Manage Questions", "Options", and "Help". The toolbar contains various icons for file operations and editing. The main interface has a "Title" field with the text "Exercise 1.3.1.1: Read the following sentences and decide if the statements made". Below the title is a question number field "Q1" and a large text area for the question. To the right of the text area is a dropdown menu currently set to "Multiple-choice". Below these fields are three columns: "Answers", "Feedback", and "Settings". The "Answers" column has four rows labeled A, B, C, and D, each with a text input field. The "Feedback" column has four corresponding text input fields. The "Settings" column has four checkboxes, each labeled "Correct". At the bottom right, there is a status bar that says "Config: english6.cfg".

In the text box below the Title field, enter the question, and click the “Multiple-choice” option on the drop menu on the right side.

This screenshot shows the same JQuiz software window, but now the question text "As a part of a harvesting team you can throw away some garbage in the woods such as a chain packaging or an empty snuff box" has been entered into the large text area below the title. The dropdown menu remains set to "Multiple-choice". The "Answers", "Feedback", and "Settings" columns are still empty, with the "Correct" checkboxes in the "Settings" column.

In cell A of the Answers column, enter T (for True), and in cell B of the same column enter F (for False). In each corresponding cell of the Feedback column, you may



provide some guidance or explanation about the prospective answer. Do not forget to check the “Correct” box under the column “Settings”, for whichever of the two alternatives is correct.

The screenshot shows the JQuiz software window titled "JQuiz: [Untitled]". The menu bar includes File, Edit, Insert, Manage Questions, Options, and Help. The toolbar contains various icons for file operations and editing. The main interface is divided into several sections:

- Title:** "Exercise 1.3.1.1: Read the following sentences and decide if the statements made"
- Q1:** "As a part of a harvesting team you can throw away some garbage in the woods such as a chain packaging or an empty snuff box"
- Multiple-choice:** A dropdown menu set to "Multiple-choice".
- Answers:** A column with four rows labeled A, B, C, and D. Row A contains the letter "T", and row B contains the letter "F". Rows C and D are empty.
- Feedback:** A column with four rows. The first row (corresponding to answer A) contains the text: "Under no circumstances should anyone pollute the forest with solid or liquid waste. Littering is punishable by law in most countries around the". The other three rows are empty.
- Settings:** A column with four rows, each containing a checkbox labeled "Correct". The checkbox for the first row (corresponding to answer A) is checked, while the others are unchecked.

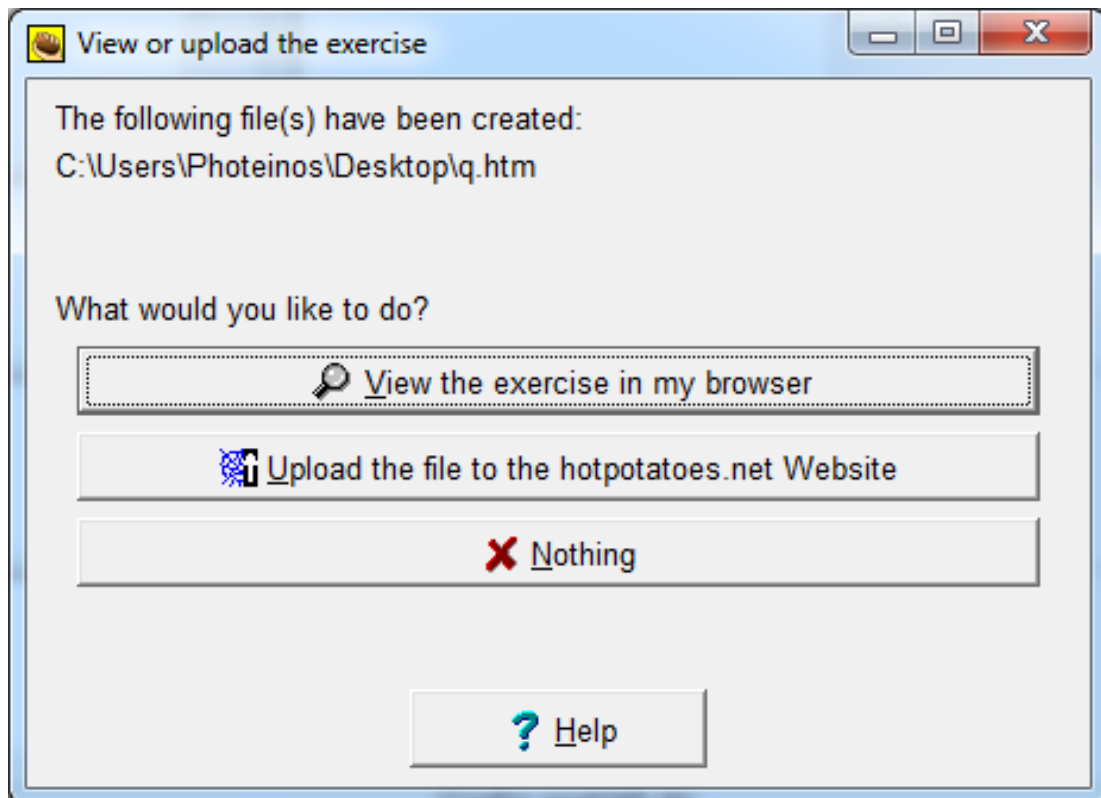
At the bottom of the window, a status bar indicates "Config: english6.cfg".

A feedback in the form of an explanatory comment for the not correct answer facilitates the understanding and makes learning much more effective. It is not necessary to provide a comment for the correct answer, because a correct answer is proof that the student has already a good grasp of the material and does not need further guidance.

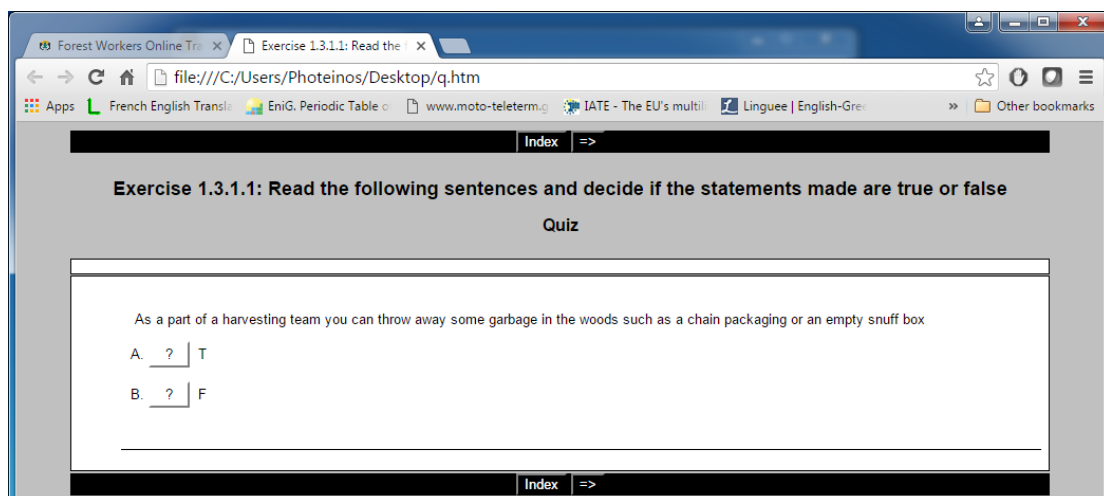
Save your work by clicking on the disk icon in the toolbar, or by clicking on File > Save. The source code will be saved in .jqz format.

Click on File > Create Web Page, enter a filename for the .html page that will be generated, and click “Save”. Click on the "View the exercise in my browser" button in the emerging dialog box,





and preview the output.



The student can select the correct answer by clicking on the respective letter. Correct answers are signaled by the button changing to a smiley face -); incorrect answers are signaled by an X symbol, followed by the explanation why this was so, assuming the explanation was provided when the exercise was made. In this way, the student

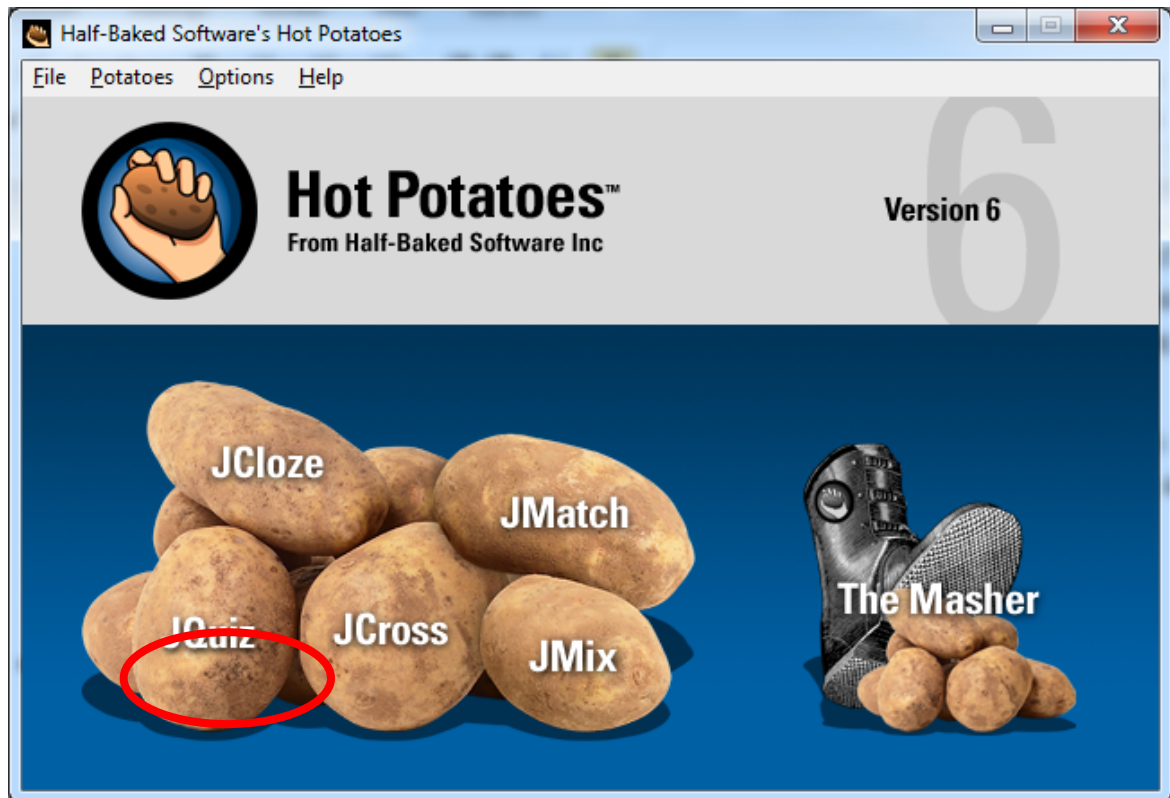
To add another question, click on the little black up arrow next to the Q text box. The Question number is increased by one, and you can fill out the empty text boxes, as described above.



Multiple Choice Questions

In multiple-choice tests, students will be required to select the correct answer from a series of options, or to select as many correct answers as possible from a series of options.

Launch Hot Potatoes and select the JQuiz program from the opening screen.



In the Title field of the dialog screen, enter a descriptive text for the exercise you are making.

The screenshot shows the JQuiz software window titled "JQuiz: [Untitled]". The menu bar includes "File", "Edit", "Insert", "Manage Questions", "Options", and "Help". The toolbar contains various icons for file operations and editing. The main interface has a "Title" field with the text "Multiple question sample test". Below the title is a question number field "Q1" and a large text box for the question. To the right of the question box is a dropdown menu set to "Multiple-choice". Below these are three tabs: "Answers", "Feedback", and "Settings". The "Answers" tab is active, showing four rows labeled A, B, C, and D, each with a text input field. The "Feedback" and "Settings" tabs are also visible, with the "Settings" tab showing a "Correct" checkbox for each row. At the bottom right, a status bar indicates "Config: english6.cfg".

In the text box below the Title field and to the right of the Q numbered field, enter the question itself, and from the drop list to the right select "Multiple choice".

This screenshot shows the same JQuiz software window, but now the question text "How many days does the week have?" has been entered into the question box. The dropdown menu remains set to "Multiple-choice". The "Answers", "Feedback", and "Settings" tabs are still visible, with the "Answers" tab showing the four rows A, B, C, and D, each with a text input field. The "Feedback" and "Settings" tabs are also visible, with the "Settings" tab showing a "Correct" checkbox for each row. The status bar at the bottom right still indicates "Config: english6.cfg".

In each cell of the “Answers” column, enter a possible answer to the question. Do not forget to provide the correct answer, by clicking on the appropriate “Correct” check box in the “Settings” column

The screenshot shows the JQuiz software window titled "JQuiz: [Untitled]". The menu bar includes File, Edit, Insert, Manage Questions, Options, and Help. The toolbar contains various icons for file operations and editing. The main interface is divided into three columns: Title, Questions, and Settings. The Title column contains the text "Multiple question sample test". The Questions column contains a question labeled "Q1" with the text "How many days does the week have?" and a dropdown menu set to "Multiple-choice". The Settings column is divided into three sub-columns: Answers, Feedback, and Settings. The Answers sub-column contains four rows labeled A, B, C, and D, each with a text input field. The Feedback sub-column contains four rows, each with a text input field. The Settings sub-column contains four rows, each with a "Correct" checkbox. The correct answer is marked for option C.

	Answers	Feedback	Settings
A	One		<input type="checkbox"/> Correct
B	Five		<input type="checkbox"/> Correct
C	Seven		<input checked="" type="checkbox"/> Correct
D	Twelve		<input type="checkbox"/> Correct

If you want, you can provide feedback on each potentially incorrect answer in the text cells under the "Feedback" column.

The screenshot shows the JQuiz software window titled "JQuiz: CAUsers\Photeinos\Desktop\sample_test.jqz". The interface is the same as the previous screenshot, but with feedback added to the Feedback column. The correct answer remains marked for option C.

	Answers	Feedback	Settings
A	One		<input type="checkbox"/> Correct
B	Five	I don't think so!	<input type="checkbox"/> Correct
C	Seven		<input checked="" type="checkbox"/> Correct
D	Twelve		<input type="checkbox"/> Correct

By default, the screen provides space for four answers (cells A through D); you can provide more options by clicking on the Up arrow to the left of the “Answers” box and scrolling down the options.

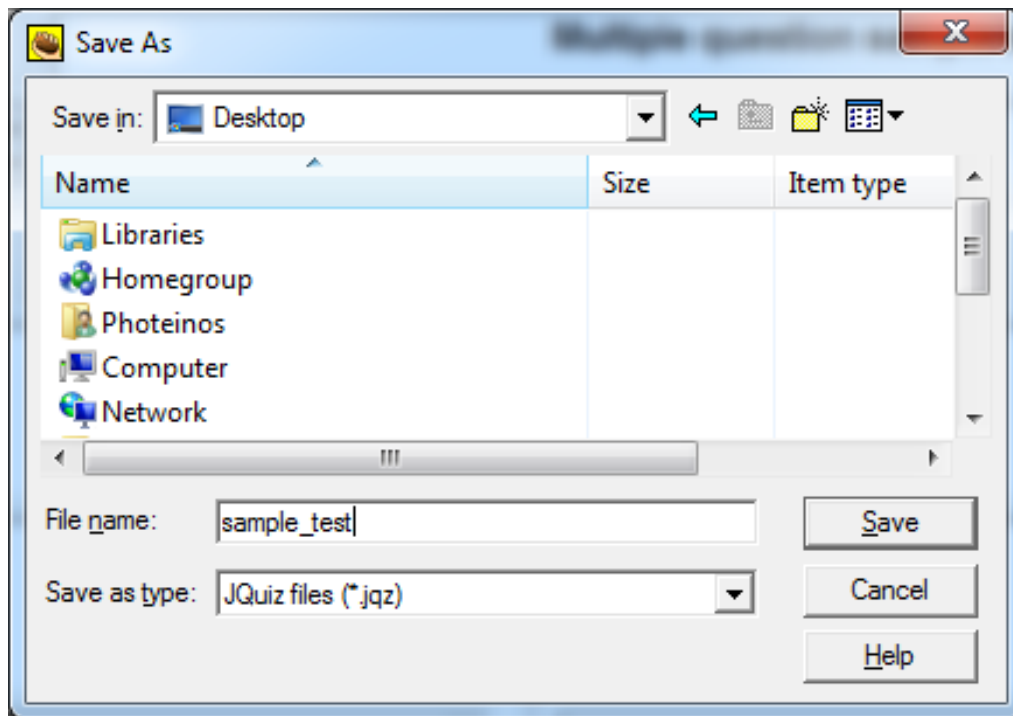
The screenshot shows the JQuiz software window titled "JQuiz: [Untitled]". The menu bar includes File, Edit, Insert, Manage Questions, Options, and Help. The toolbar contains various icons for file operations and editing. The main interface is divided into several sections:

- Title:** A text box containing "Multiple question sample test".
- Q1:** A dropdown menu showing "Q1".
- Question:** A text box containing "How many days does the week have?".
- Multiple-choice:** A dropdown menu showing "Multiple-choice".
- Answers:** A section with a vertical list of options (B, C, D, E) and corresponding text boxes:
 - B: Five
 - C: Seven
 - D: Twelve
 - E: Thirty
- Feedback:** A section with four empty text boxes for feedback.
- Settings:** A section with four checkboxes, each labeled "Correct":
 - ☐ Correct
 - ☒ Correct
 - ☐ Correct
 - ☐ Correct

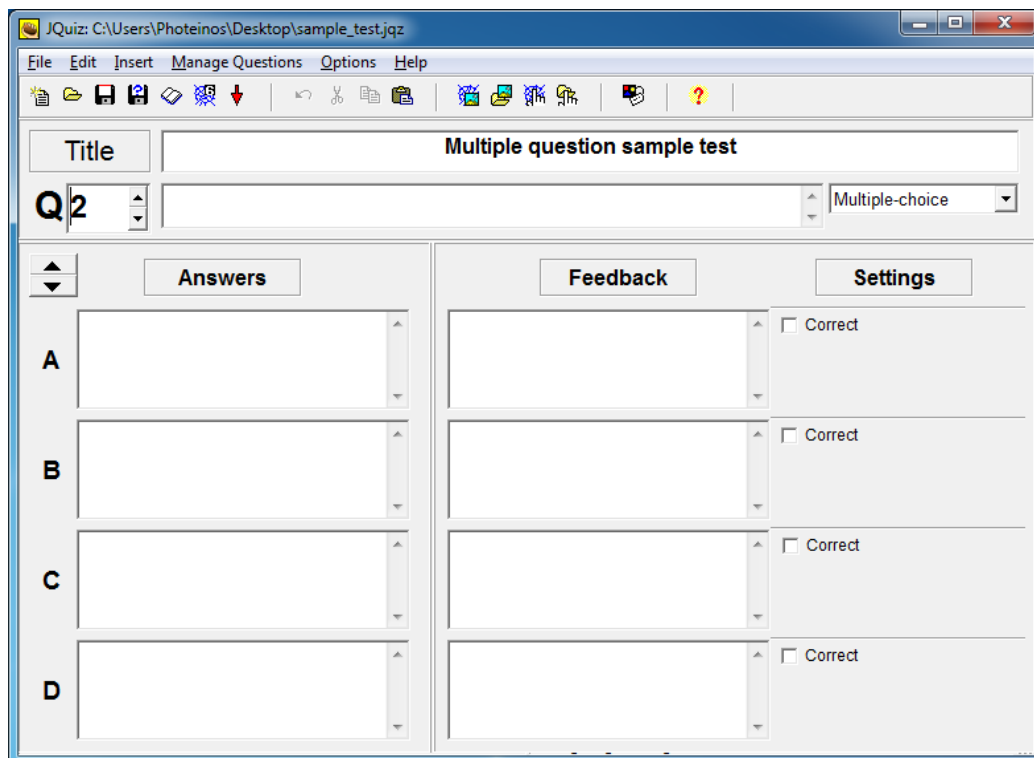
Once you finish entering the optional answers, click on the disk icon in the toolbar, or press Ctrl+S to save the source code of the exercise.

Select a location and a filename for the source code, and click on the “Save” button. The file will be saved as a .jqz file





To enter another question, click on the Up arrow to the right of the Q field; the number next to “Q” is automatically increased by one, and empty fields are provided for new question and answers.

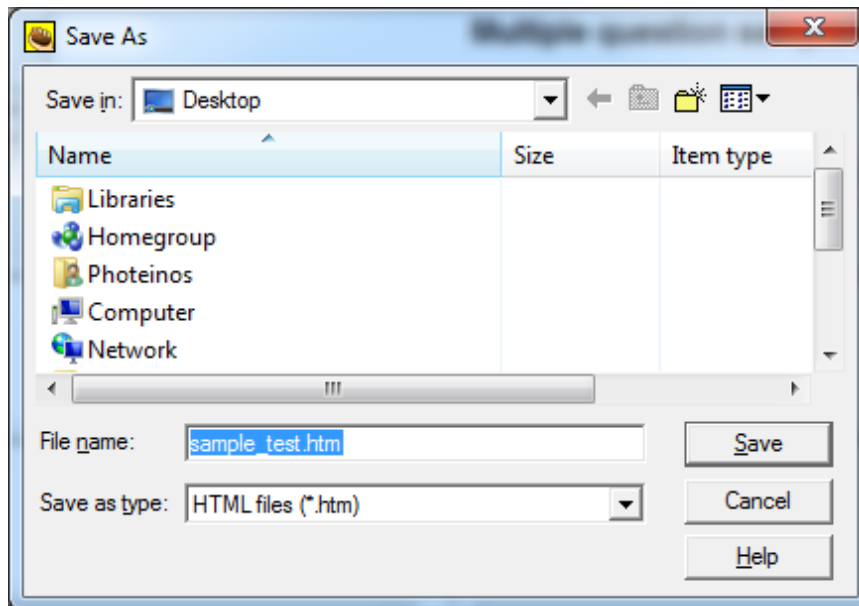


Repeat as many times as necessary to go through all the questions in the test.

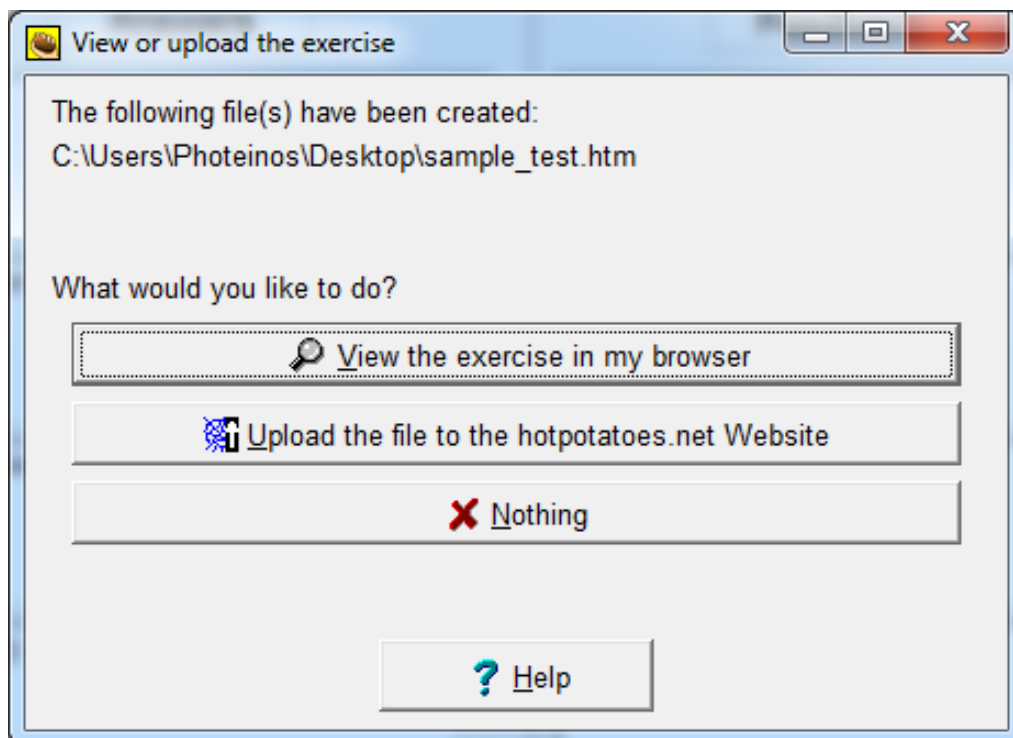
Press Ctrl+S frequently to save your work.

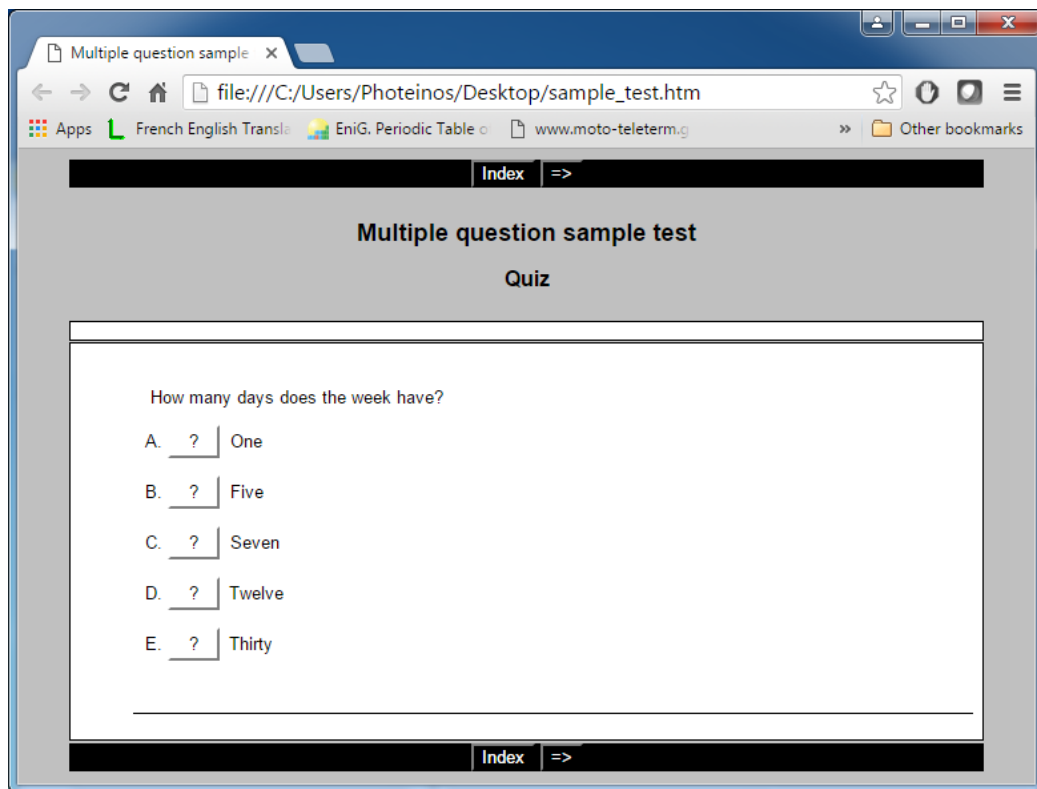


To preview the output, press F6, select a folder, enter a name in the File name field, and save the generated .htm file

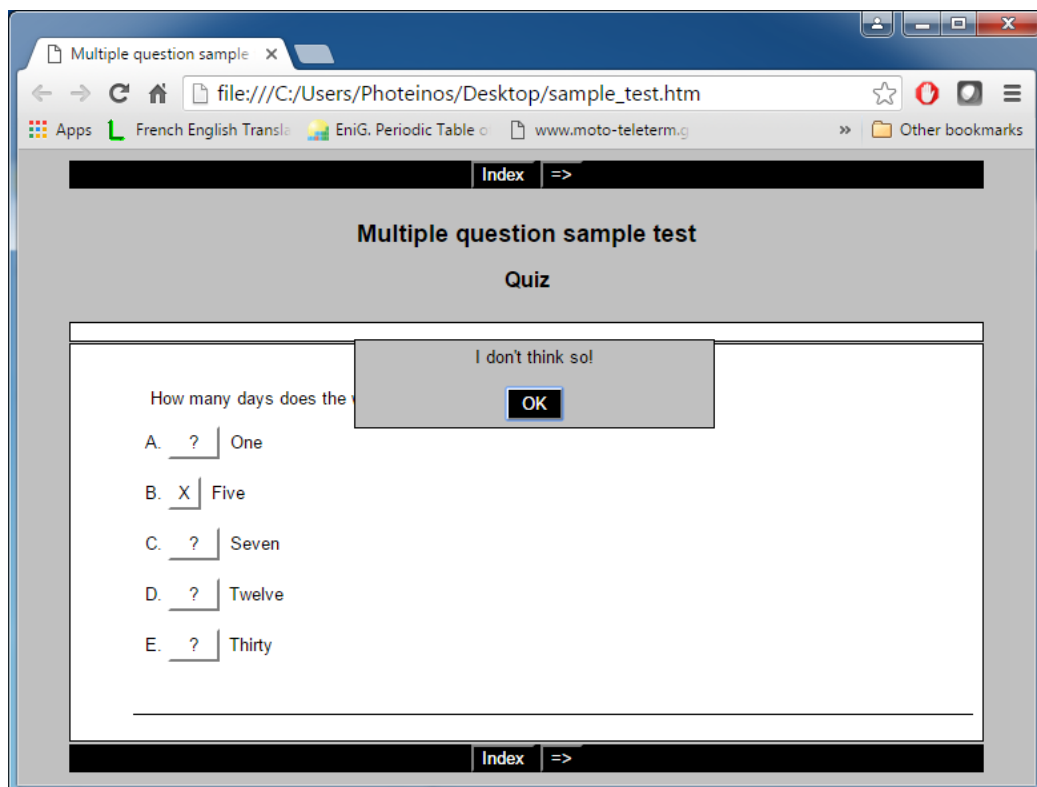


and click on the “View the exercise in my browser” button on the emerging “View or upload the exercise” dialog box.





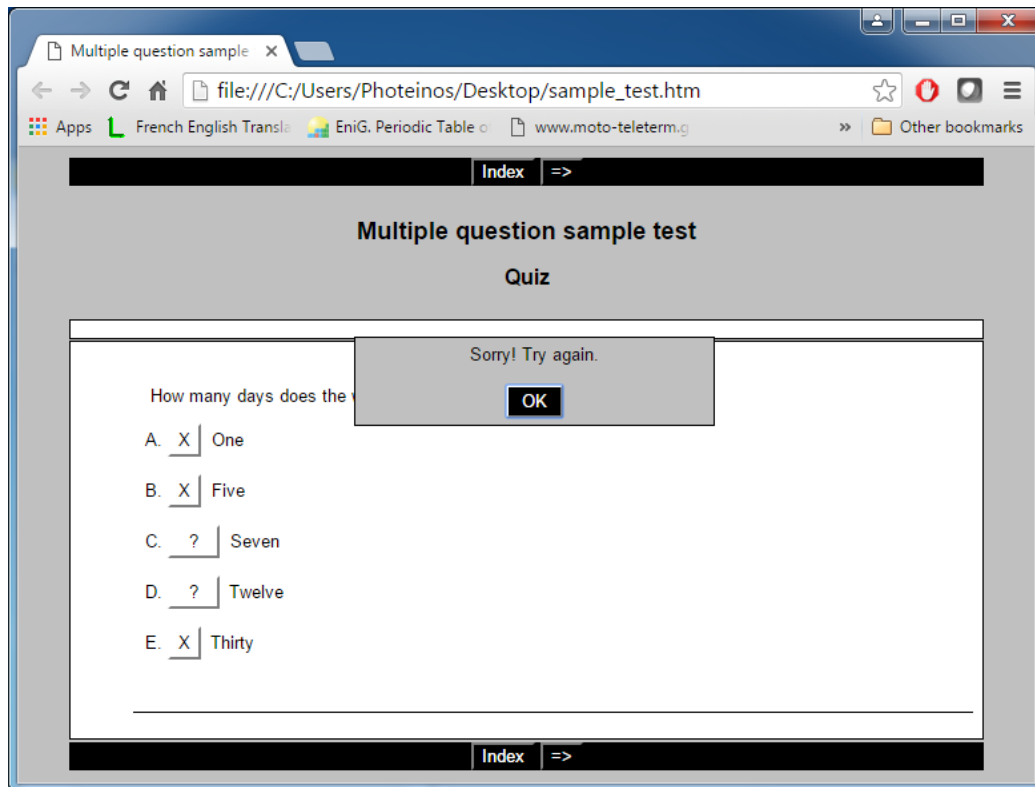
Answer the question by clicking on the button containing the appropriate option. If an incorrect answer was given, you will get a strike (X) symbol and a prompt to try again.



Click the "OK" button and try again.



The program will assist you to find the correct answer by keeping the buttons corresponding to incorrect answers displayed on the screen.



JQuiz uses an elaborate system for keeping the score. For the scoring algorithm of JQuiz, consult the online help by hitting the “?” mark on the toolbar, and search for **Score>How does the scoring work in JQuiz?**

Matching Type Questions

The JMatch program is essentially a matching and ordering application. The output screen is divided into two columns with a list of fixed items on the left and a list of jumbled items on the right. The goal is to match the items on the left column with the items on the right column.

The JMatch program has two main outputs: drag-and-drop and standard. In the drag-and-drop output, an item from the right column is dragged and dropped next to an item on the left column, whereas in the standard output, a drop down menu with the available options from the right column opens next to each term on the left column.

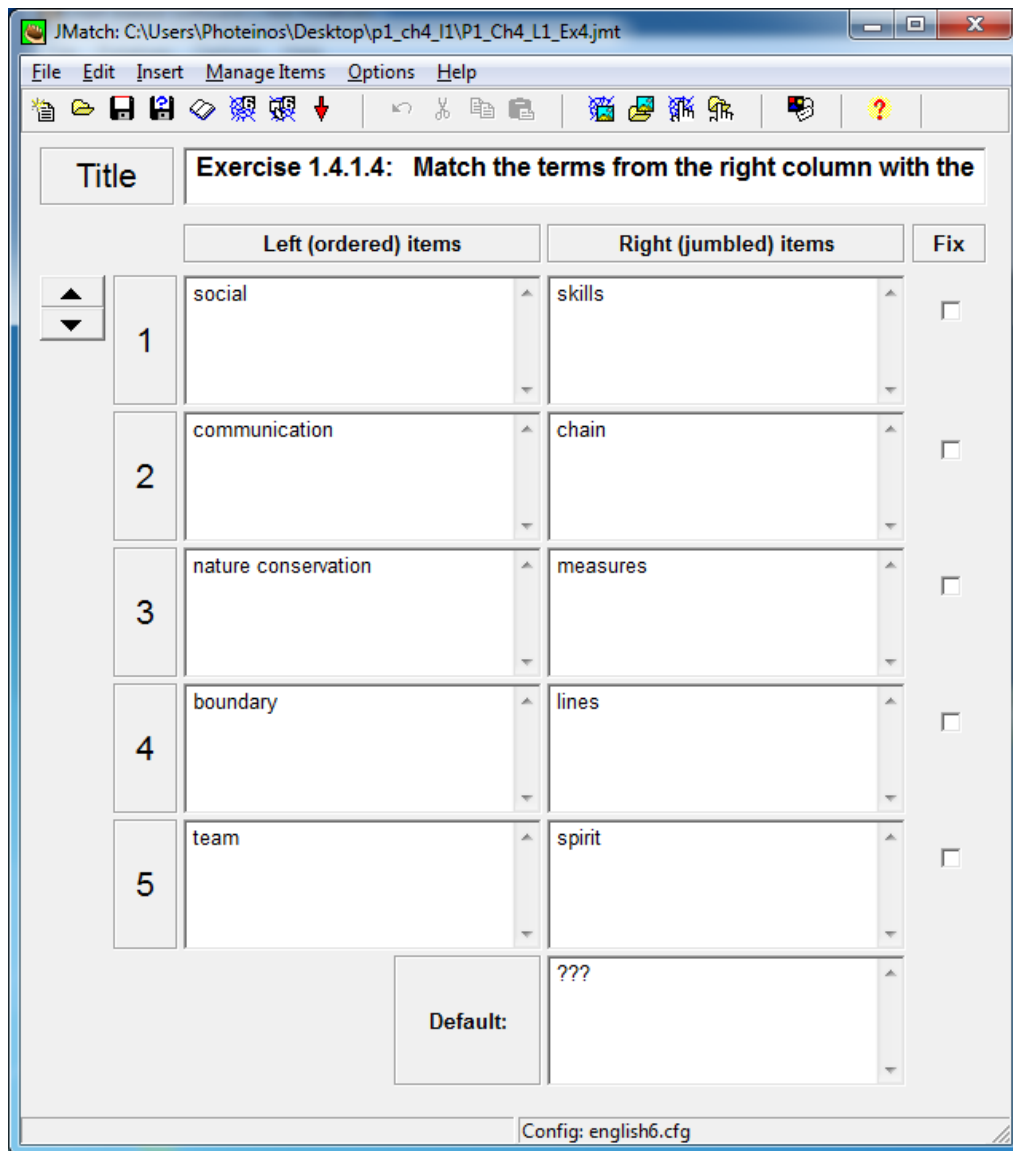
A drag-and-drop exercise may be very difficult if the page is too big for the user's screen, i.e. the exercise contains too many pairs thus requiring excessive scrolling up and down. In this case, the standard output, is much more effective. The drag-and-drop output is recommended for exercises not exceeding 10 or 12 pairs.

From the opening screen of Hot Potatoes, click on the JMatch icon.



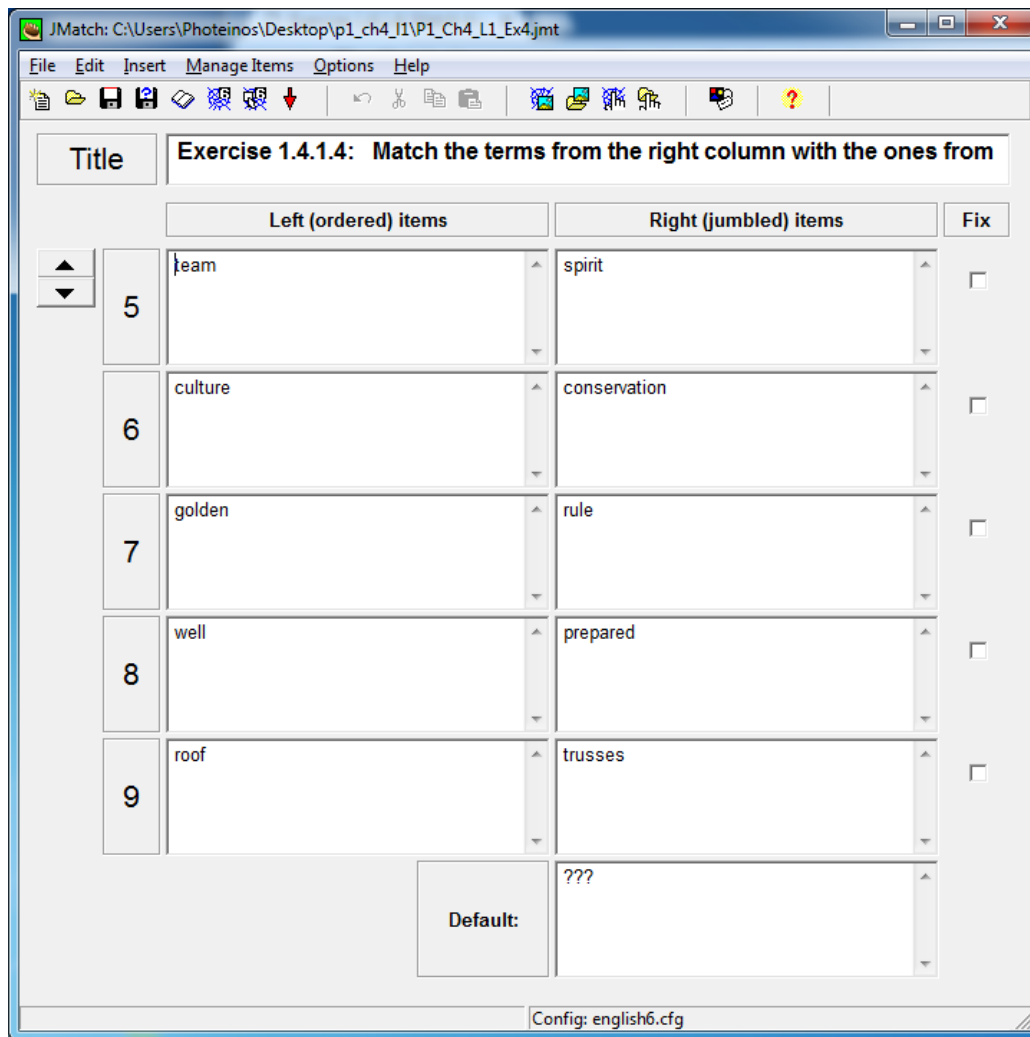


Enter the Title text, and start entering the pairs of words or fragments of sentences to be combined. Items in the left column will be ordered, i.e. will stay fixed, and may include pictures or links. Items in the right column will be jumbled.

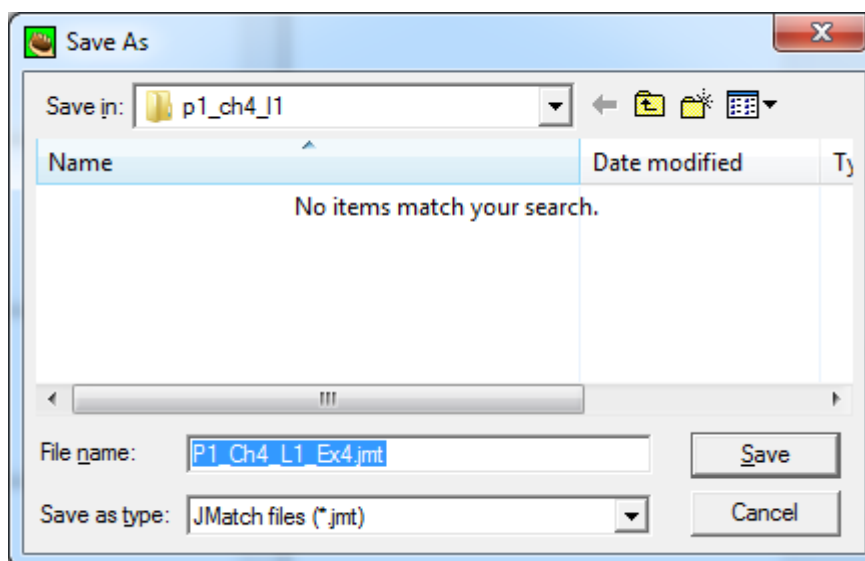


The screen has room for 5 pairs of segments. To enter more than five pairs, press on the Up arrow to the left of the "Left (ordered) items" column.

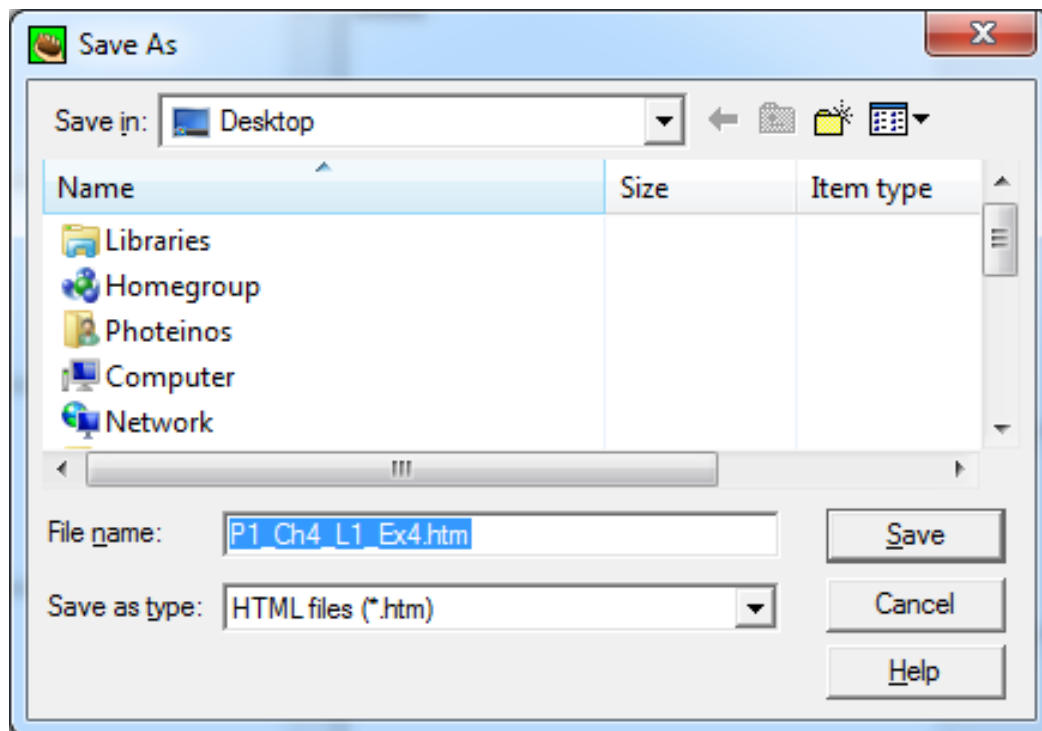




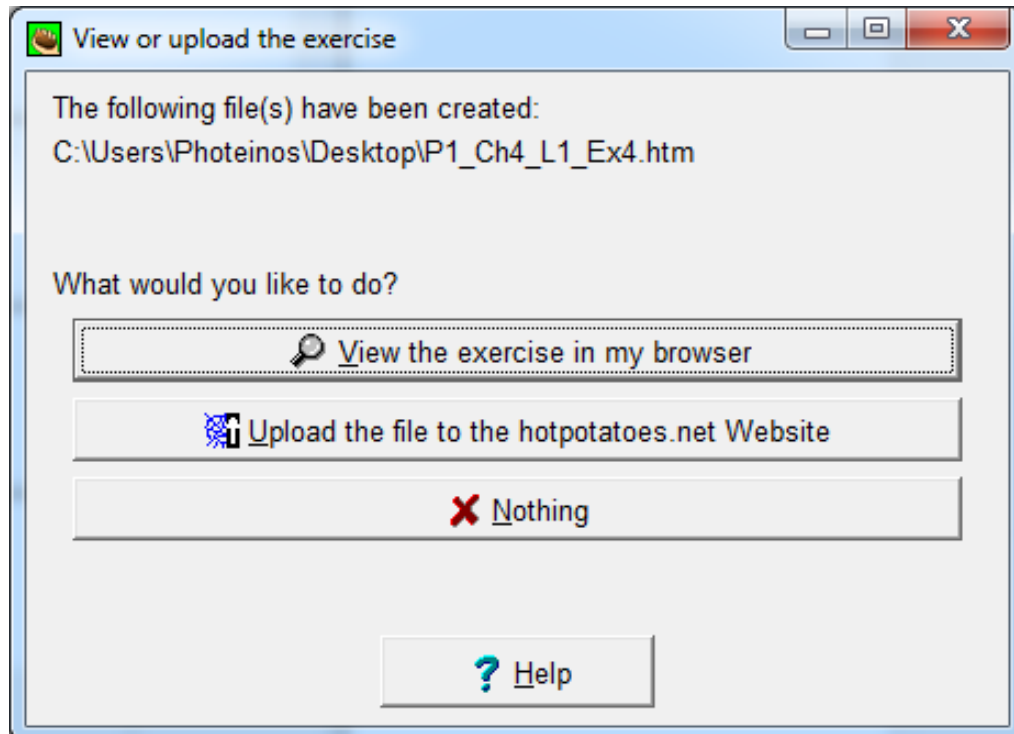
When you finish entering pairs of terms, save your work by clicking on the disk icon on the Hot Potatoes toolbar or press Ctrl + S, select the location for and the name of the source .jmt file, and click the "Save" button.



To preview the output, press F6, select a location, and save the output as .html file by pressing the “Save” button.

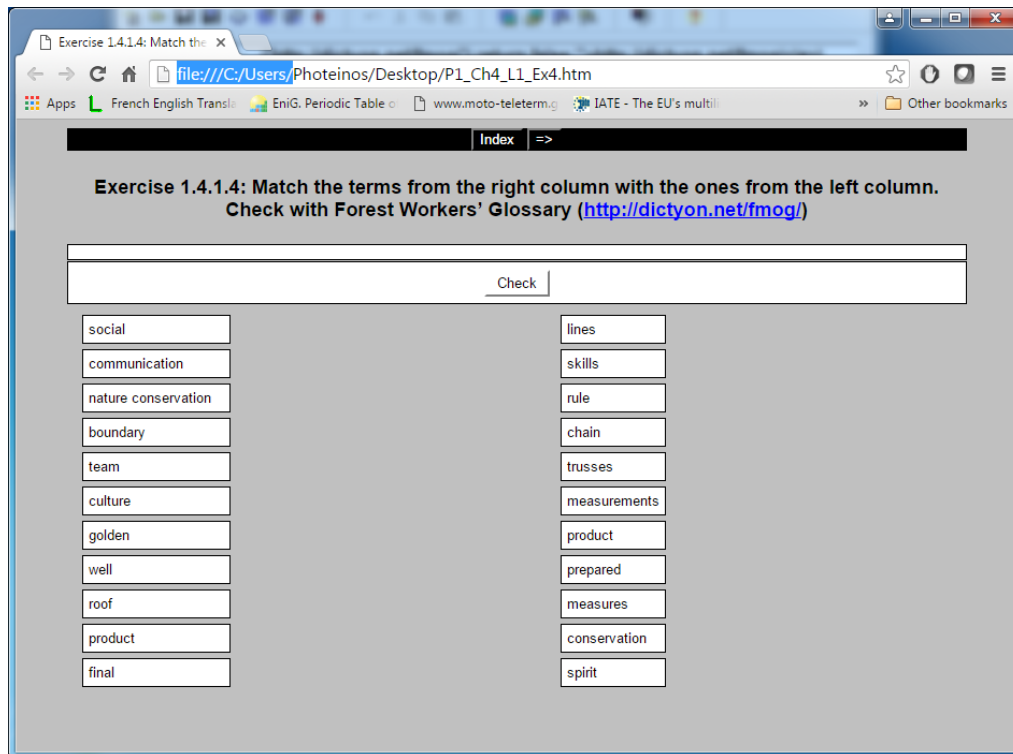


Press the “View the exercise in my browser” button

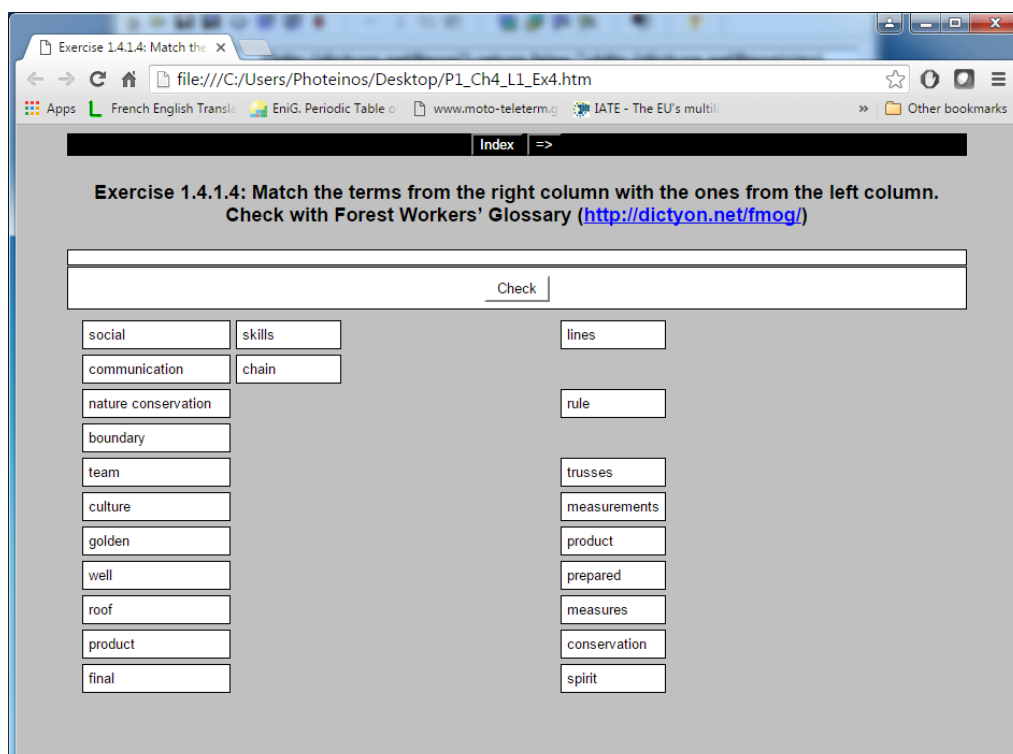


to open the exercise in your browser. The output appears a series of fixed terms on the left, and a series of boxed terms on the right column.





To start answering the test, drag and drop each term from the right column next to the corresponding term on the left column.

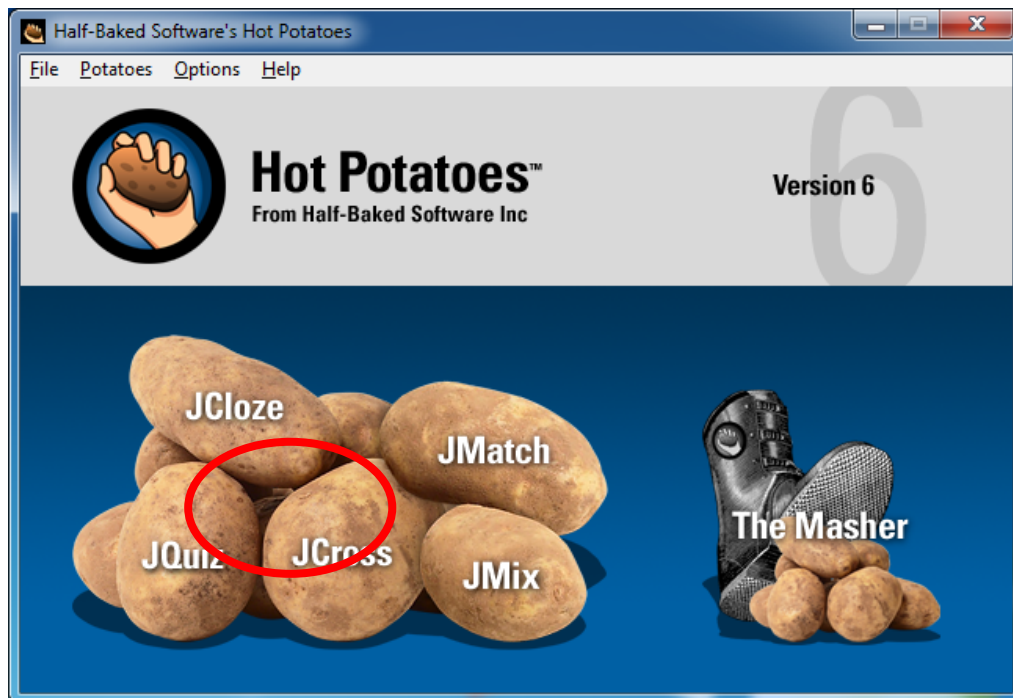


For the scoring algorithm of JMatch, consult the online help by hitting the “?” mark on the toolbar, and search for **Score>How does the rest of the scoring work?**

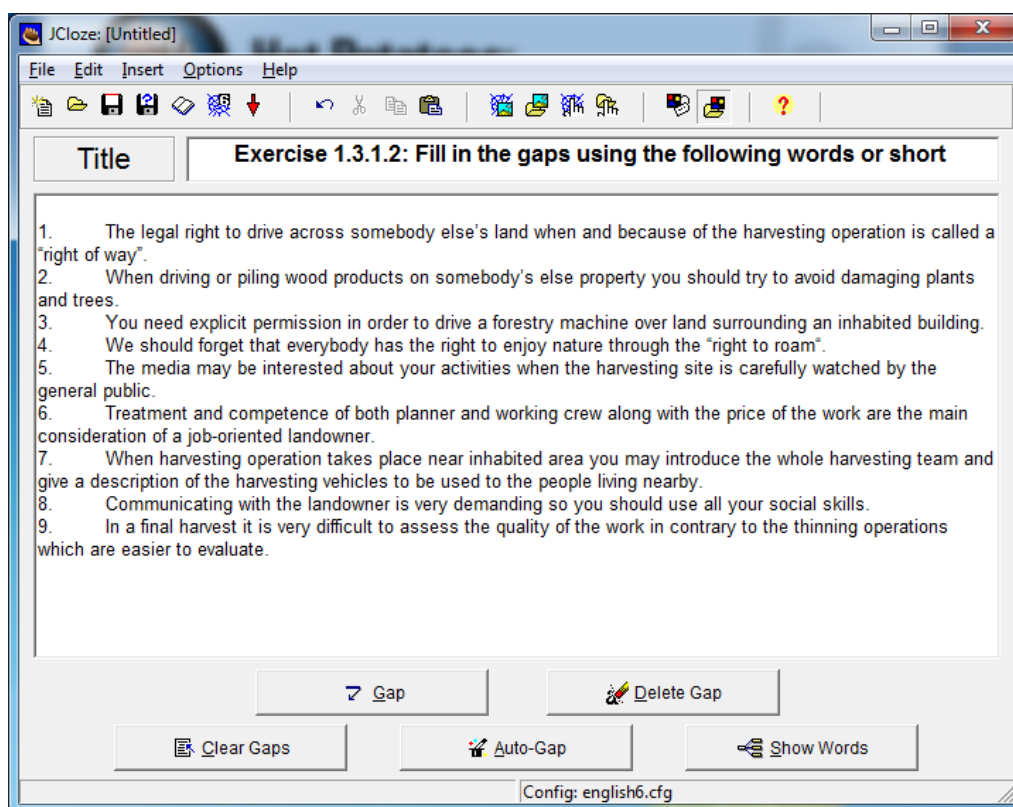


Fill in the Blanks

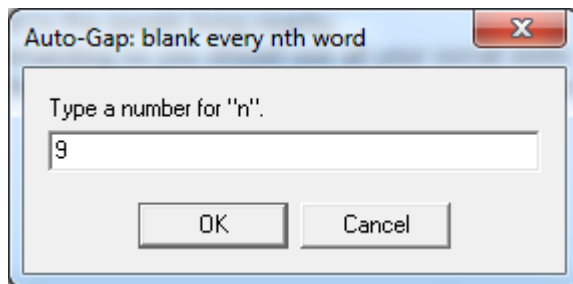
From the opening screen of Hot Potatoes, click on the **JCloze** icon.



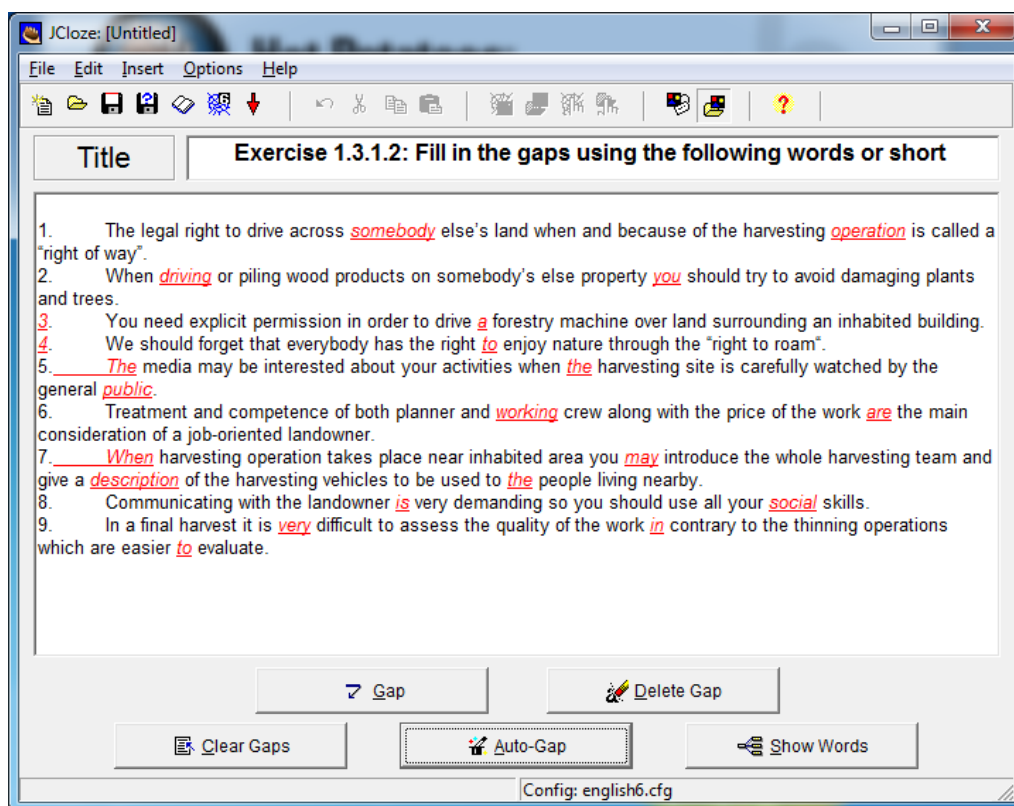
In the Title field, enter a short text describing the exercise, and in the text box below, enter the text from which some words will be blanked, and the student will have to fill in.



Here you have an option: you can click on the "Auto-Gap" button at the bottom, to have the software blank automatically every nth word, where n is a number the user will specify. In the example shown below, n=9,

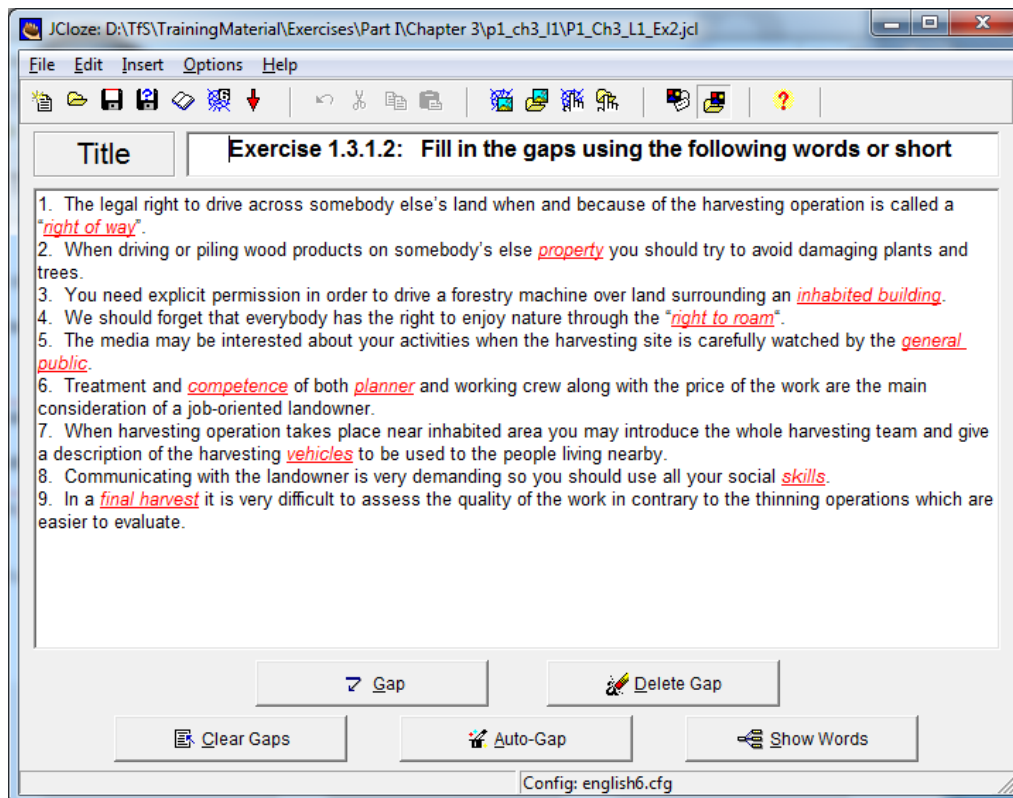


and thus Hot Potatoes will blank every 9th word of the text shown above.



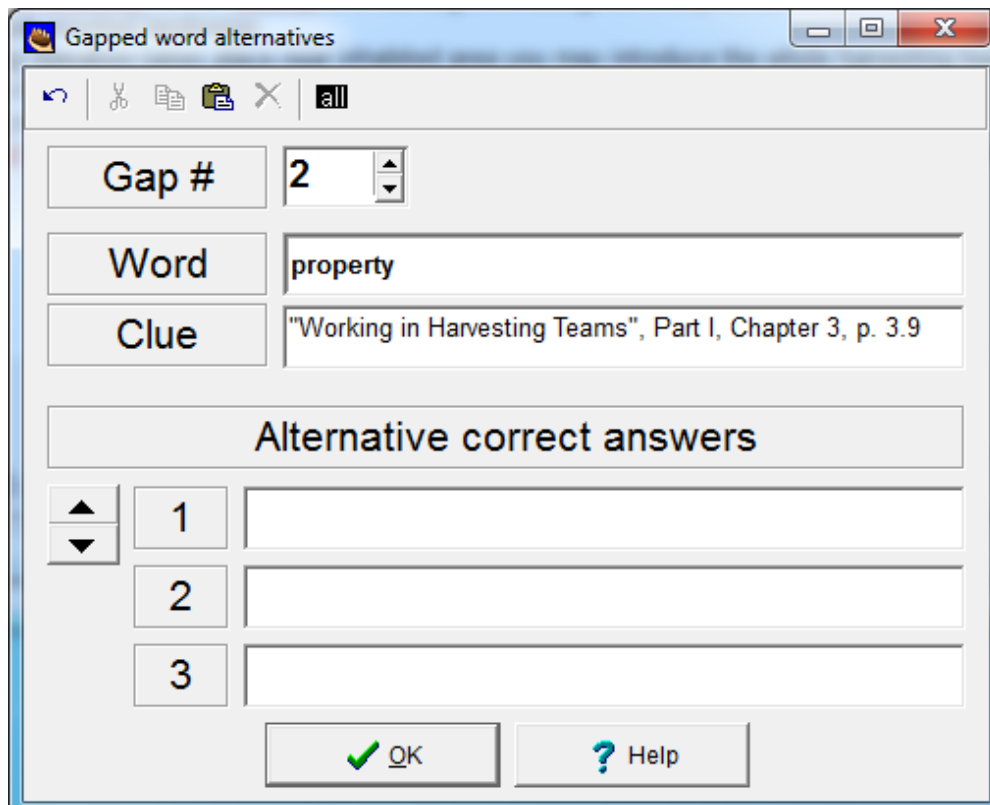
However, if you need more control over which words to be blanked, select a word, click on the "Gap" button, and repeat for as many words as you wish.





It is possible to select more than one word per sentence, or adjacent words to be blanked.

If you click on the “Show Words” button at the bottom right corner, a dialog box will emerge,



in which the user can enter a clue, such as the title of the book, the Part, the Chapter and the page number where the term appears, or other correct answer(s) per word, and click OK.

Click on the disk icon on the toolbar, and then click on File > Create Webpage >Standard Format F6 to save the output to an html page.

To make the output appear with the list of words mixed across the top of the page and thus make the exercise a little easier,

Forest Workers Online Training - Exercise 1.3.1.2: Fill in the gaps using the following words or short phrases (each one must be used only once)

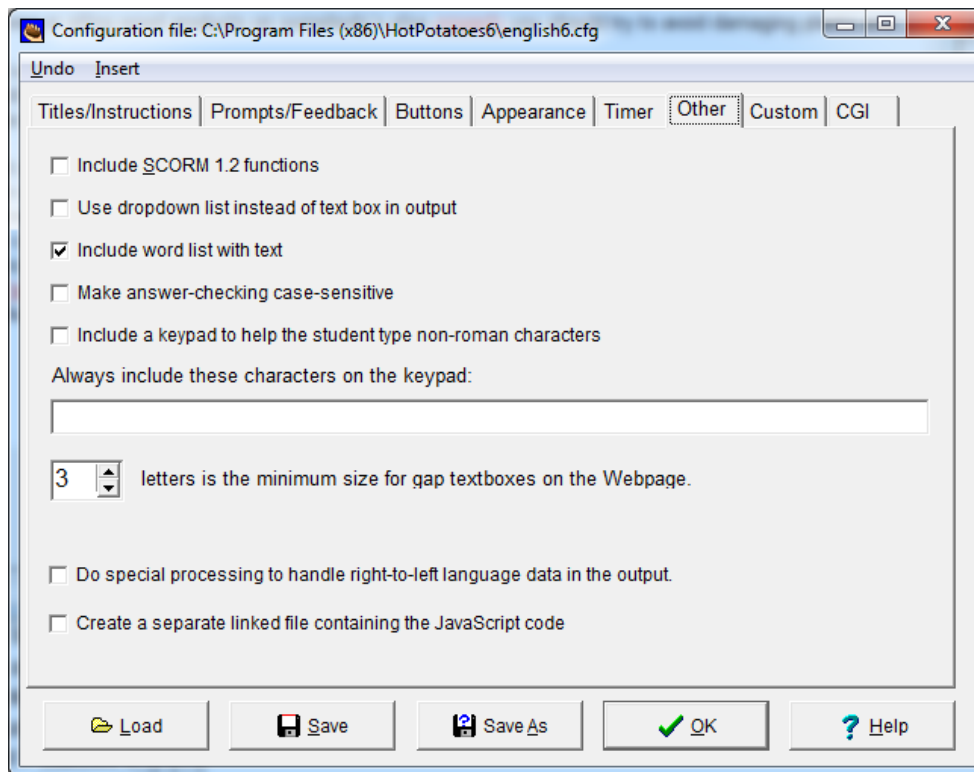
competence final harvest general public inhabited building vehicles planner property right of way right to roam skills

1. The legal right to drive across somebody else's land when and because of the harvesting operation is called a .
2. When driving or piling wood products on somebody's else you should try to avoid damaging plants and trees.
3. You need explicit permission in order to drive a forestry machine over land surrounding an .
4. We should forget that everybody has the right to enjoy nature through the .
5. The media may be interested about your activities when the harvesting site is carefully watched by the .
6. Treatment and of both and working crew along with the price of the work are the main consideration of a job-oriented landowner.
7. When harvesting operation takes place near inhabited area you may introduce the whole harvesting team and give a description of the harvesting to be used to the people living nearby.
8. Communicating with the landowner is very demanding so you should use all your social .
9. In a it is very difficult to assess the quality of the work in contrary to the thinning operations which are easier to evaluate.

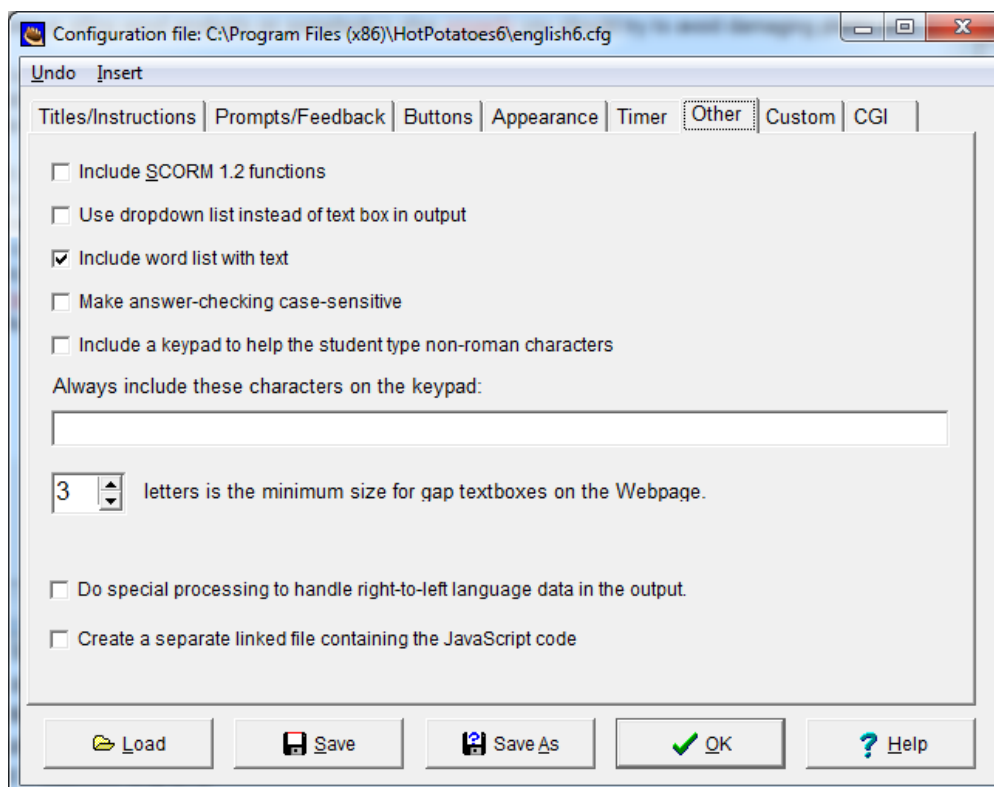
Check Hint

click on “Options”, then on “Configure Output”, and then on the “Other” tab, and select “Include word list with text”.





Alternatively, unclick "Include word list with text" in the above screen and click on "Use dropdown list instead of text box in output"



to have a drop down list of words from which to select the appear next to each blank, for a very easy exercise requiring no typing or spelling

Forest Workers Online Tr... Exercise 1.3.1.2: Fill in the... Exercise 1.3.1.2: Fill in the... Exercise 1.3.1.2: Fill in the...

file:///C:/Users/Photeinos/Desktop/P1_Ch3_L1_Ex2.htm

Apps French English Transl... EniG: Periodic Table... www.moto-teleterm... IATE - The EU's multi... Linguee | English-Gre... Other boo

Index =>

Exercise 1.3.1.2: Fill in the gaps using the following words or short phrases (each one must be used only once)

1. The legal right to drive across somebody else's land when and because of the harvesting operation is called a [dropdown].

2. When driving or piling wood products on somebody's else [dropdown] you should try to avoid damaging plants and trees.

3. You need explicit permission in order to drive a forestry m [dropdown] unding an [dropdown].

4. We should forget that everybody has the right to enjoy nat [dropdown].

5. The media may be interested about your activities when th [dropdown] arefully watched by the [dropdown].

6. Treatment and [dropdown] of both [dropdown] crew along with the price of the work are the main consideration of a job-oriented landowner.

7. When harvesting operation takes place near inhabited area [dropdown] ne whole harvesting team and give a description of the harvesting [dropdown] to be used to the people living nearby.

8. Communicating with the landowner is very demanding so you should use all your social [dropdown].

9. In a [dropdown] it is very difficult to assess the quality of the work in contrary to the thinning operations which are easier to evaluate.

Check

Index =>

Or uncheck all options on the "Other" tab to hide all candidate words and make the exercise more difficult.

Forest Workers Online Tr... Exercise 1.3.1.2: Fill in the... Exercise 1.3.1.2: Fill in the... Exercise 1.3.1.2: Fill in the...

file:///C:/Users/Photeinos/Desktop/P1_Ch3_L1_Ex2.htm

Apps French English Transl... EniG: Periodic Table... www.moto-teleterm... IATE - The EU's multi... Linguee | English-Gre... Other boo

Index =>

Exercise 1.3.1.2: Fill in the gaps using the following words or short phrases (each one must be used only once)

1. The legal right to drive across somebody else's land when and because of the harvesting operation is called a [dropdown].

2. When driving or piling wood products on somebody's else [dropdown] you should try to avoid damaging plants and trees.

3. You need explicit permission in order to drive a forestry m [dropdown] unding an [dropdown].

4. We should forget that everybody has the right to enjoy nat [dropdown].

5. The media may be interested about your activities when th [dropdown] arefully watched by the [dropdown].

6. Treatment and [dropdown] of both [dropdown] crew along with the price of the work are the main consideration of a job-oriented landowner.

7. When harvesting operation takes place near inhabited area [dropdown] ne whole harvesting team and give a description of the harvesting [dropdown] to be used to the people living nearby.

8. Communicating with the landowner is very demanding so you should use all your social [dropdown].

9. In a [dropdown] it is very difficult to assess the quality of the work in contrary to the thinning operations which are easier to evaluate.

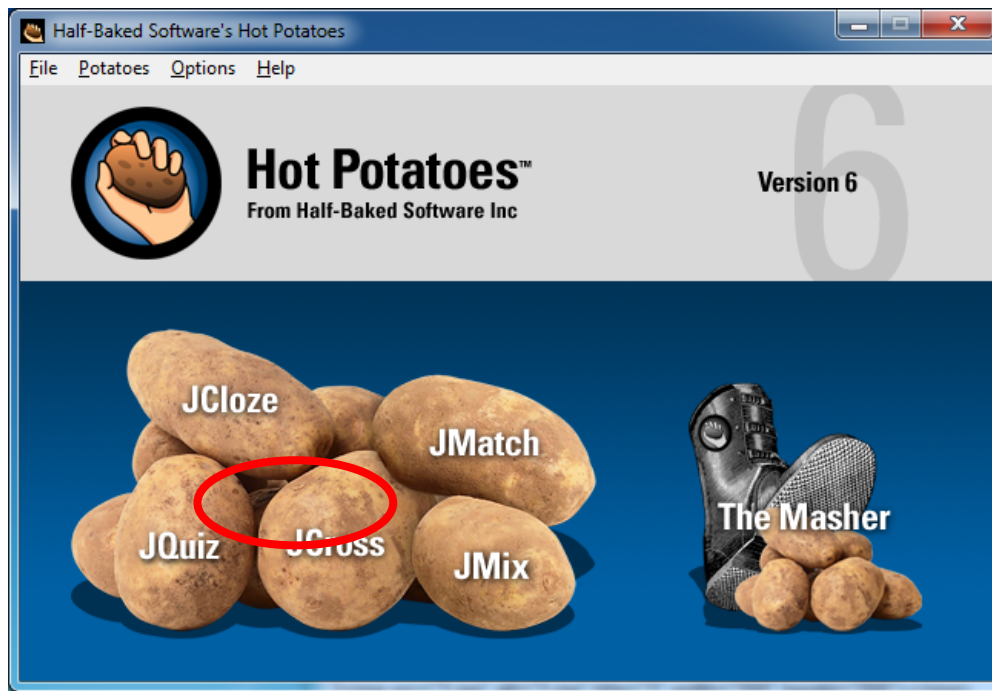
Check

Index =>

A special case of Fill in the Blanks exercise is when pictures provide clues for the missing words, and the student is asked to fill in the blanks.

From the opening screen of Hot Potatoes, click on JCloze.





On the next screen, enter a descriptive text in the Title text box.

In the main text box, enter the link to each picture file. The links have the format

```
</img>
</img>
...
```

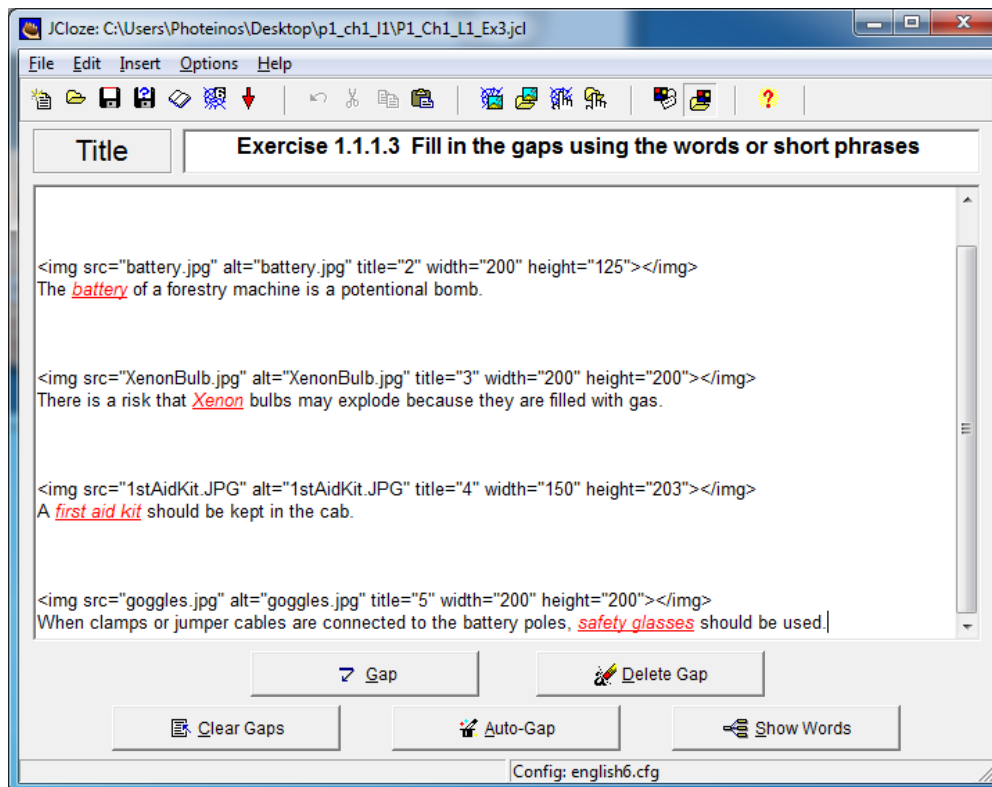
Where:

fn1.jpg, fn2.jpg, ... are the filenames of the image files with extension .jpg

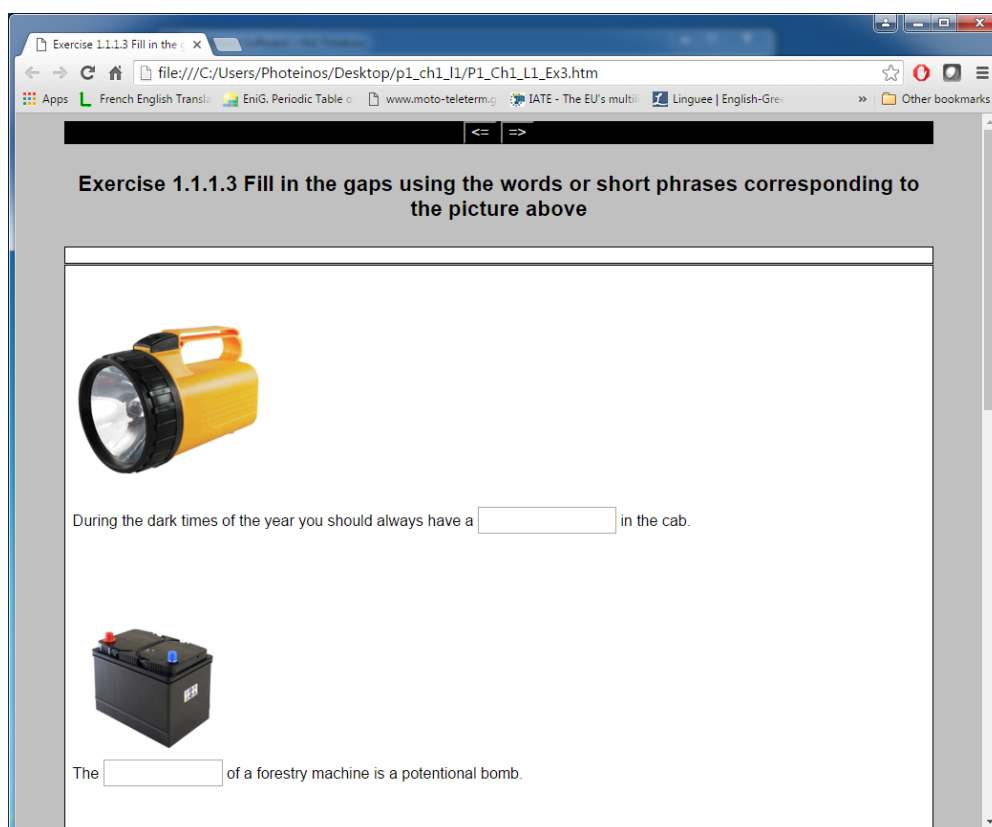
width="200" and height="200" is the width and height of the image in pixels in the output file, and

title="1", title="2", ... are the reference names to the image files.

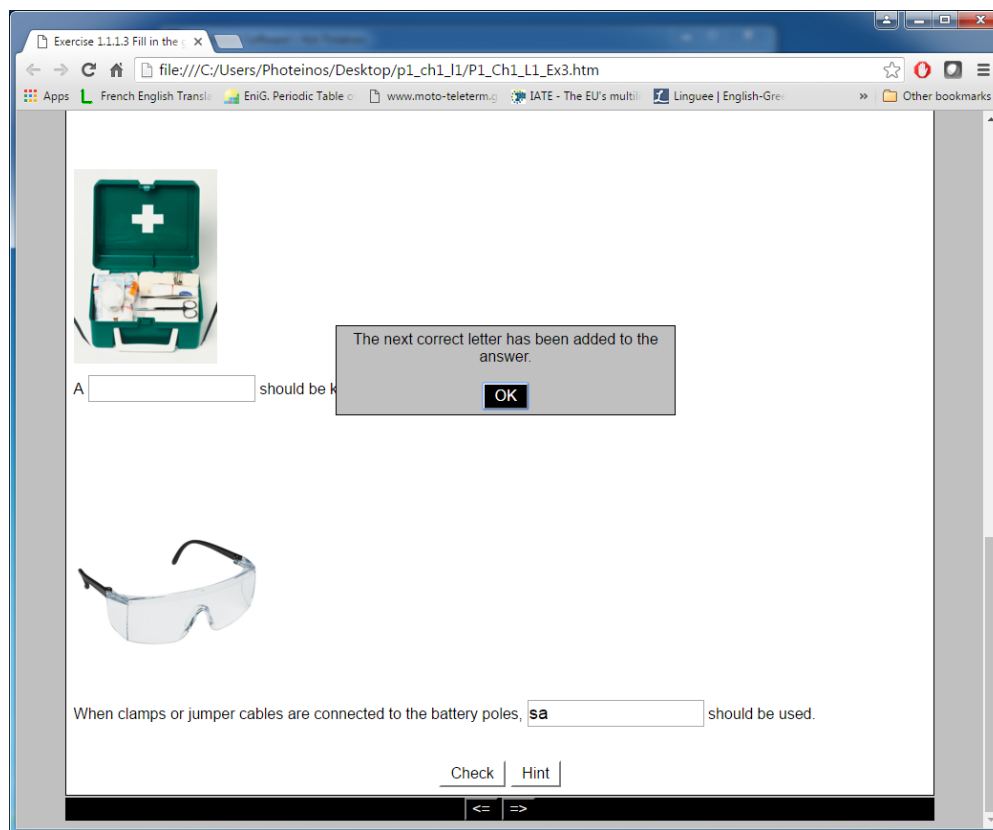
Below each link, enter the sentence containing the text to be blanked; select each segment to appear in blanks, and hit the "Gap" button at the bottom of the dialog box. The word(s) that will be blanked appear in red, italics, and underlined.



Save the source exercise in .jcl format; hit F6 and enter a name for the exercise. The exercise is saved in .html format, and the “View or upload the exercise” dialog frame emerges. Click on the “View the exercise in my browser” button, and preview the exercise.



You can always get help on the next letter of the answer by clicking the “Hint” button at the bottom of the page. The final score of the exercise is negatively affected by the number of hints requested.



CAUTION: *The exercise can compile and work correctly only if all components, including the source .jcl, the image .jpg, and the output .html files are in the same directory.*

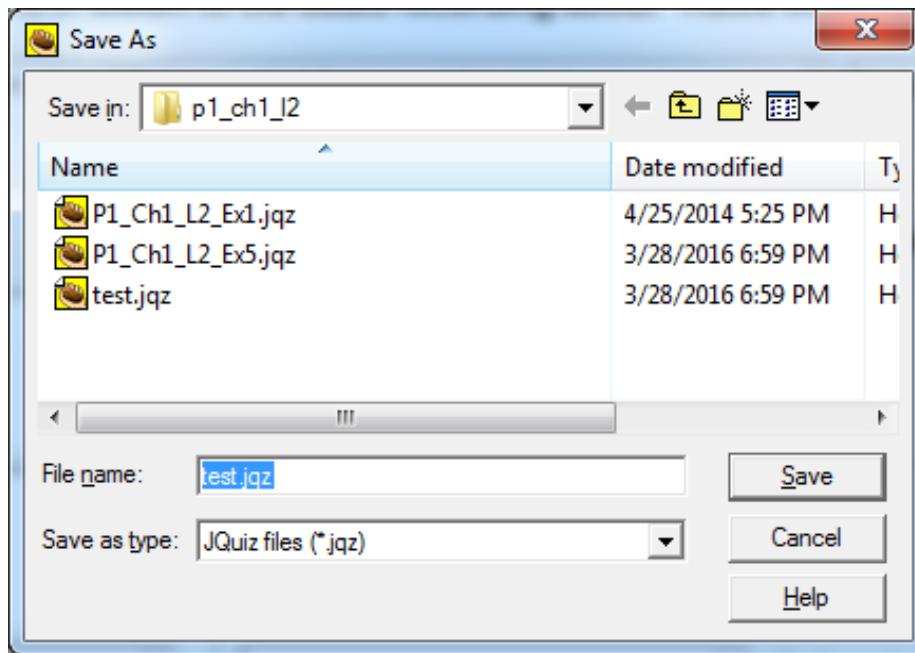
Listening Comprehension

In Listening Comprehension exercises, students listen to a short (2-3 minutes) audio recording of 1-2 paragraphs, and then they must answer specific questions based on the recording. The format of the questions can vary from True or False, Fill in the Blanks or Short answers.

Suppose we want to create a True or False Listening Comprehension test.

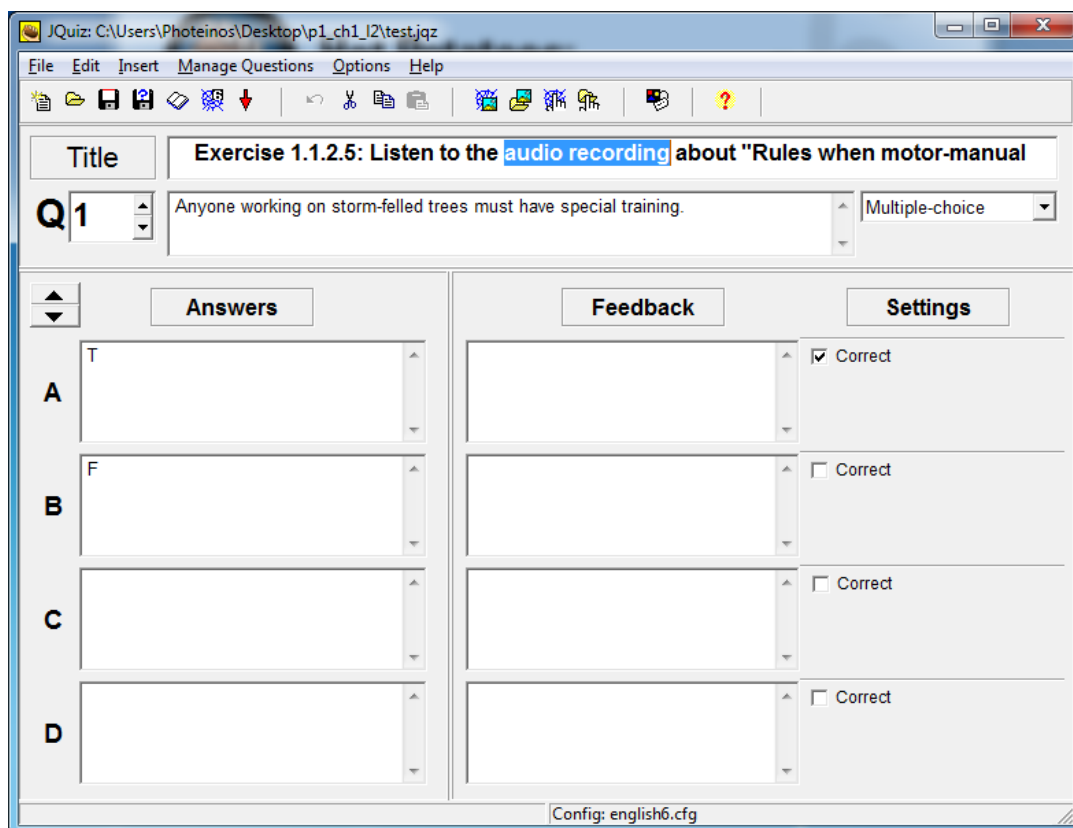
We ran the **JQuiz** program of Hot Potatoes, entered the questions and answers, as explained in the True or False questions above, and saved the source file **test.jqz** in a directory on our hard drive.





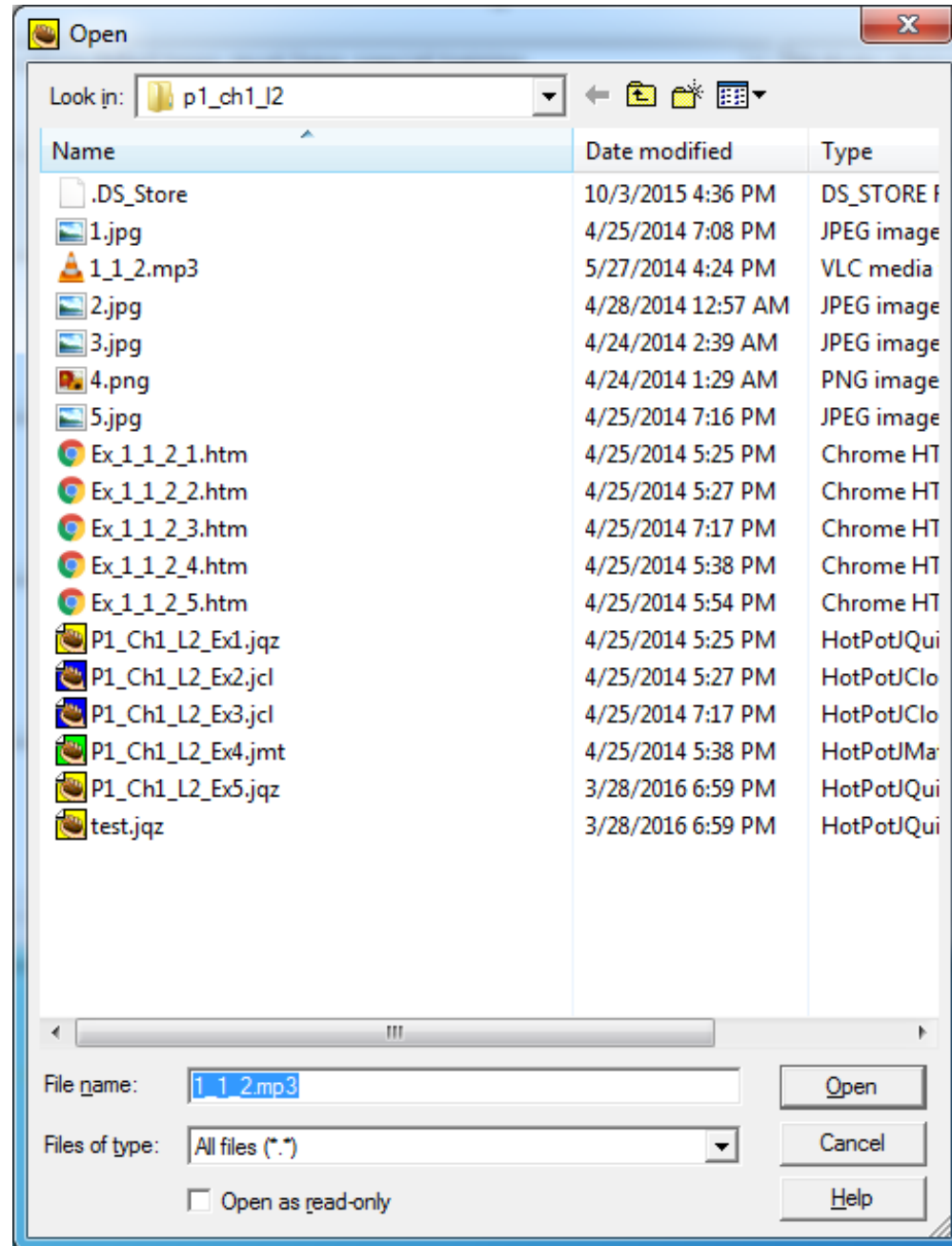
Our audio file recording is **1_1_2.mp3**, and it is found *in the same directory as our JQuiz source file*.

We select a short text (e.g. "audio recording") from the Title text box of the **test.jqz** file



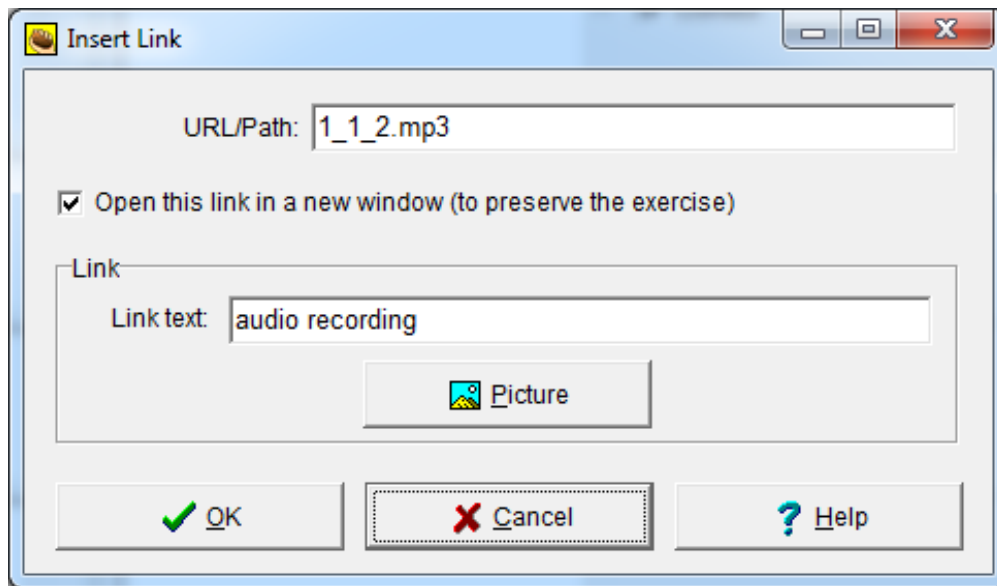
and click on the "Insert" tab of the toolbar, followed by "Link", followed by "Link to Local File".

In the opening dialog, enter the name and location of the **1_1_2.mp3** file and click "Open".



In the opening dialog box, click "OK" to confirm the URL/Path of the .mp3 file.

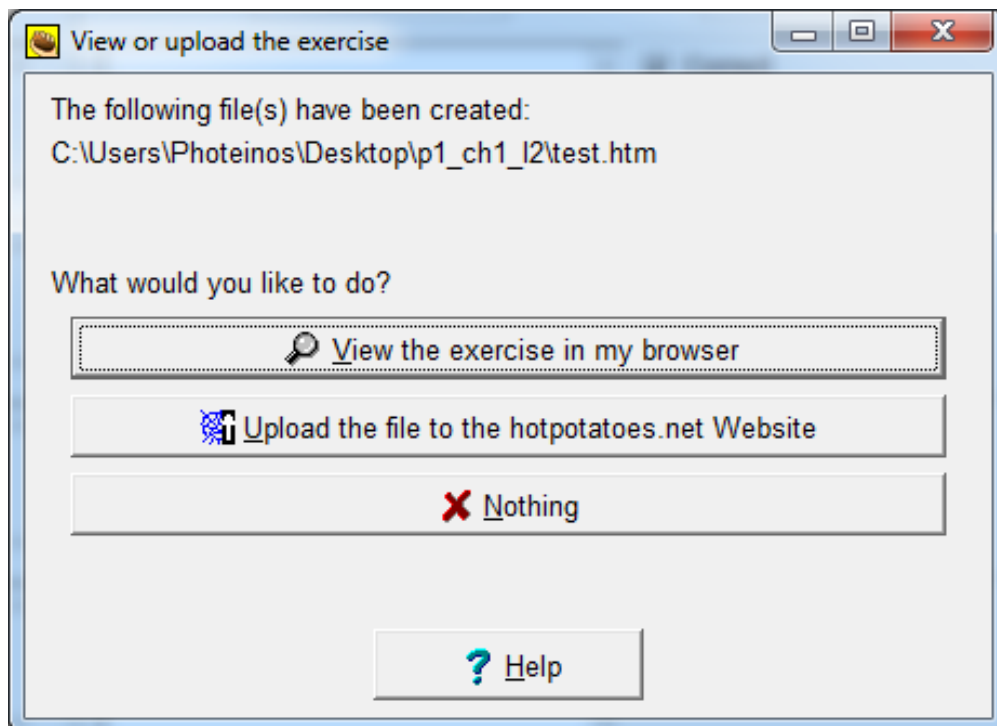




When the student clicks on the “audio recording” link, it will automatically start play back of the **1_1_2.mp3** file.

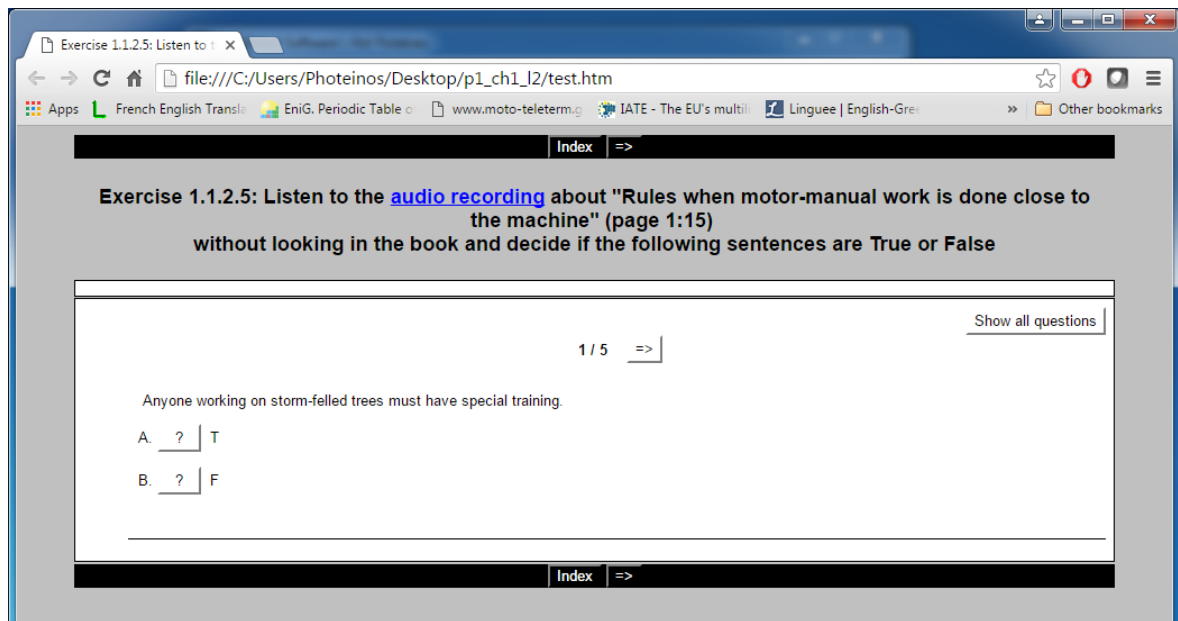
Press F6 to generate the output test.html file.

Save the test.html file, and click on the “View the exercise in my browser” button

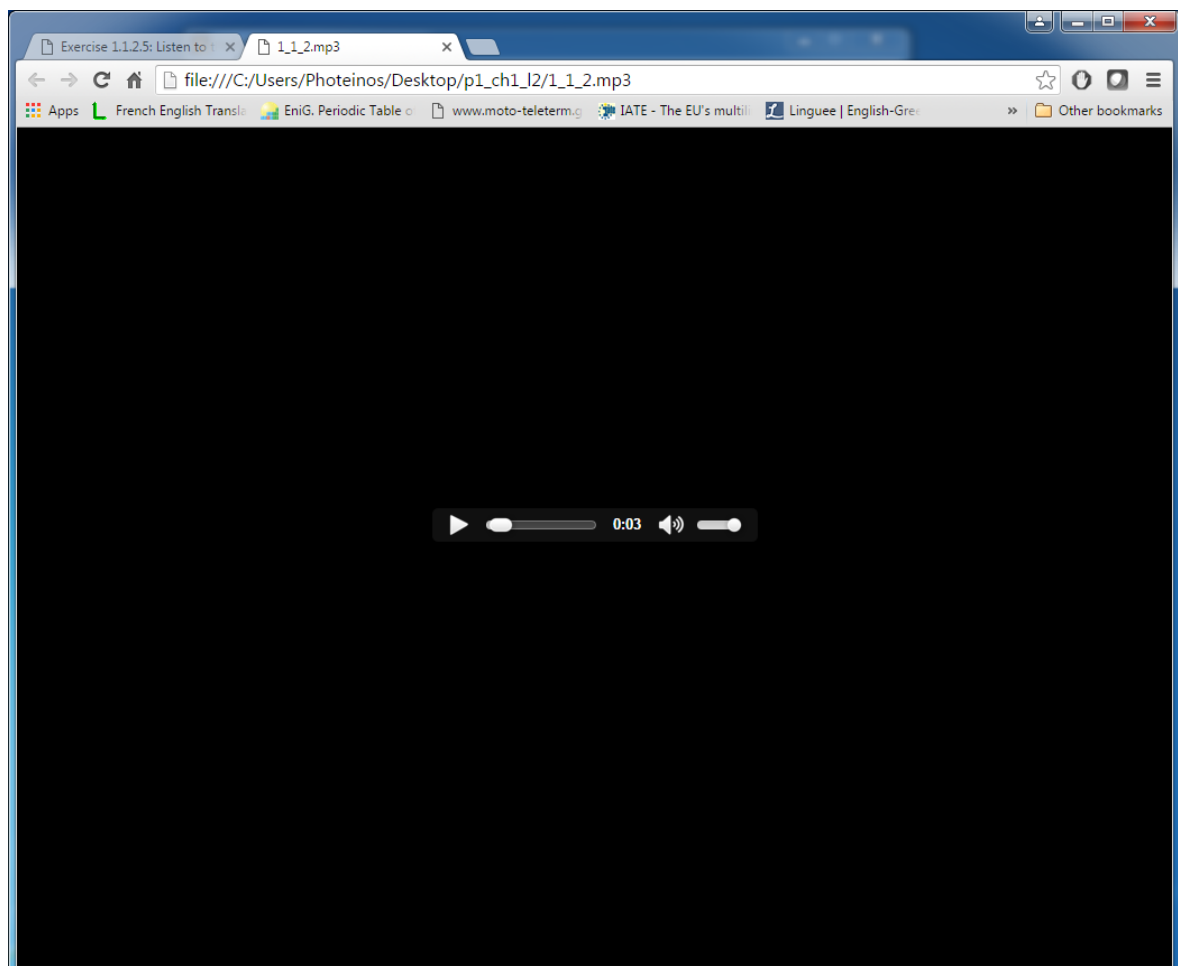


to preview the exercise in your browser.





The text “audio recording” is a link leading to the play of the audio file **1_1_2.mp3**.



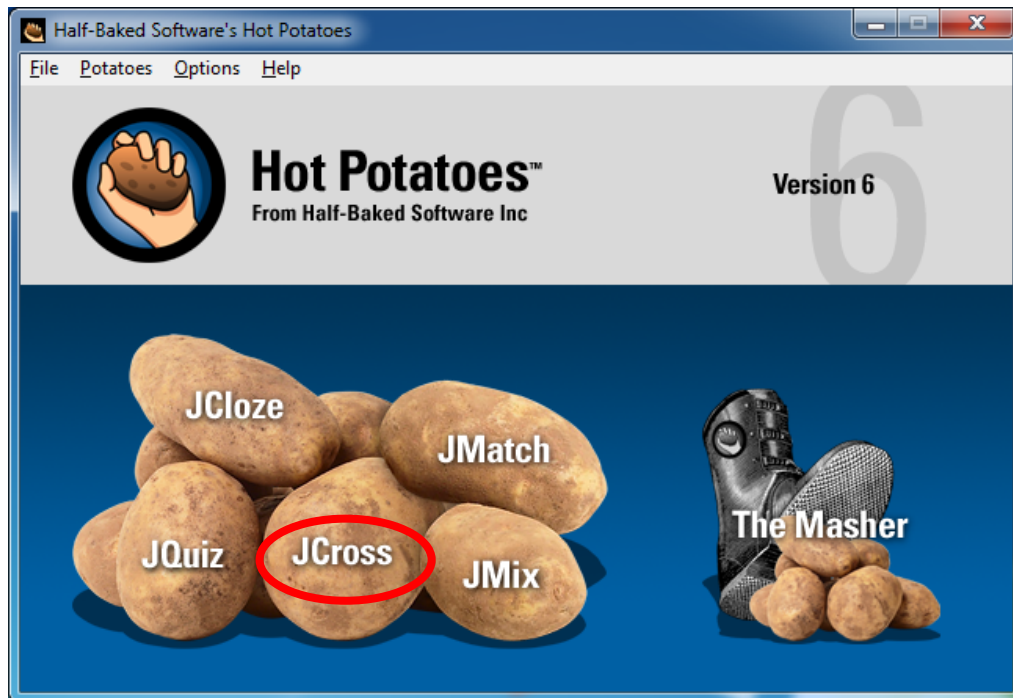
With standard Play/Pause, Elapsed time and Volume controls.



Crossword Puzzles

Crossword puzzles provide a term and a clue about it, such as the definition or an example where the term is used; hence, crossword puzzles are intended for English to English language comprehension and practice. The puzzles are essentially another version of flash cards, where the front side of the card contains the term and the flip side of the card contains the definition, and users can work both forward and backwards.

Launch Hot Potatoes, and click on the JCross program.



To get a list of potential terms to use, the user may click on the "Glossary Practice" button of each lesson of the Forest Worker's Online Training Tool (cd.dictyon.net)



Forest Workers Online Training

cd.diction.net/lesson/Safety-essentials-when-working-in-and-out-of-the-forest-10

Home Page About the Project Teacher Training Current Language: Swedish

Basic Knowledge

- Chapter 1 - Work Safety
 - Lesson 1.1.1 - Safety Essentials in Forest Works
 - Lesson 1.1.2 - Emergency Communication
 - Vocabulary Review
 - Test Yourself
 - References
- Chapter 2 - The Work Environment
- Chapter 3 - The Machine Operator - The Company's Face
- Chapter 4 - Responsibility, Social Competence and Team Spirit
- Chapter 5 - Communication
- Chapter 6 - Care of the Machine
- Chapter 7 - When Fire Strikes
- Chapter 8 - Water Conservation
- Chapter 9 - Reading the Terrain
- Chapter 10 - Basic Driving Technique
- Chapter 11 - Getting Stuck
- Chapter 12 - Planning a Harvesting Operation

Lesson 1.1.1 - Safety Essentials In Forest Works

p. 1:1 - 1:13

Can Do

After completing this Lesson, learners will

- Be safe when "climbing around" a machine using the "three point method"
- Know how to save lives when an accident happens in the working location
- Know the minimum safety requirements when working alone in the forest
- Have a good knowledge of the common safety rules when operating forest machines

Warm Up

- Do you feel comfortable with your knowledge of work safety?
- What else would you like to learn about safety in the forest?
- Can you mention some safety rules when you are working in the forest?
- What are the minimum safety requirements/rules when somebody approaches a forest machine?

Learning Tasks

Read pages 1:1 - 1:13 of the book "Working in Harvesting Teams", Part 1, and

- Prepare a list with the unknown and/or interesting terms, look them up in a [dictionary](#), and discuss them in class
- Write a short summary and read it loud before the class audience
- Develop your own mnemonics for the hard-to-remember terms, and
- Have fun by organizing a brainstorming session/mnemonics party in class to improve and share them

Exercises

Extra Material

Case Study Glossary Practice

and go to the Review Terms section.

Forest Workers Online Training

cd.diction.net/lesson/Safety-essentials-when-working-in-and-out-of-the-forest-10

Forest Workers' Glossary

The Spaced Repetition method is based on the traditional deck of flashcards, where users see an unknown term on one side of the card, they have to recall the information on the back side of the card, and then they flip the card to verify their guess. If their guess was correct, it means that they knew the information, whereas if they did not know or they had difficulties recalling it, it means that they did not know it very well, and, therefore, they should repeat it more often to learn it.

In contrast to raw repetition, where equal effort is invested on every card, regardless of whether the information was well known or less well known, the Spaced Repetition method repeats the well known information less frequently, and the unknown or less well known information more frequently.

The Spaced Repetition method has been gaining in popularity, and many flashcard decks and sites can be found online, such as <http://www.freeworld.org/Flashcards/BrowseFlashcardCategory.aspx?BrowseSchools=True,Quizlet.com,etc>

Samples of flashcards with TTS terminology can be found online at the [Tools for Skills Quizlet classes](#).

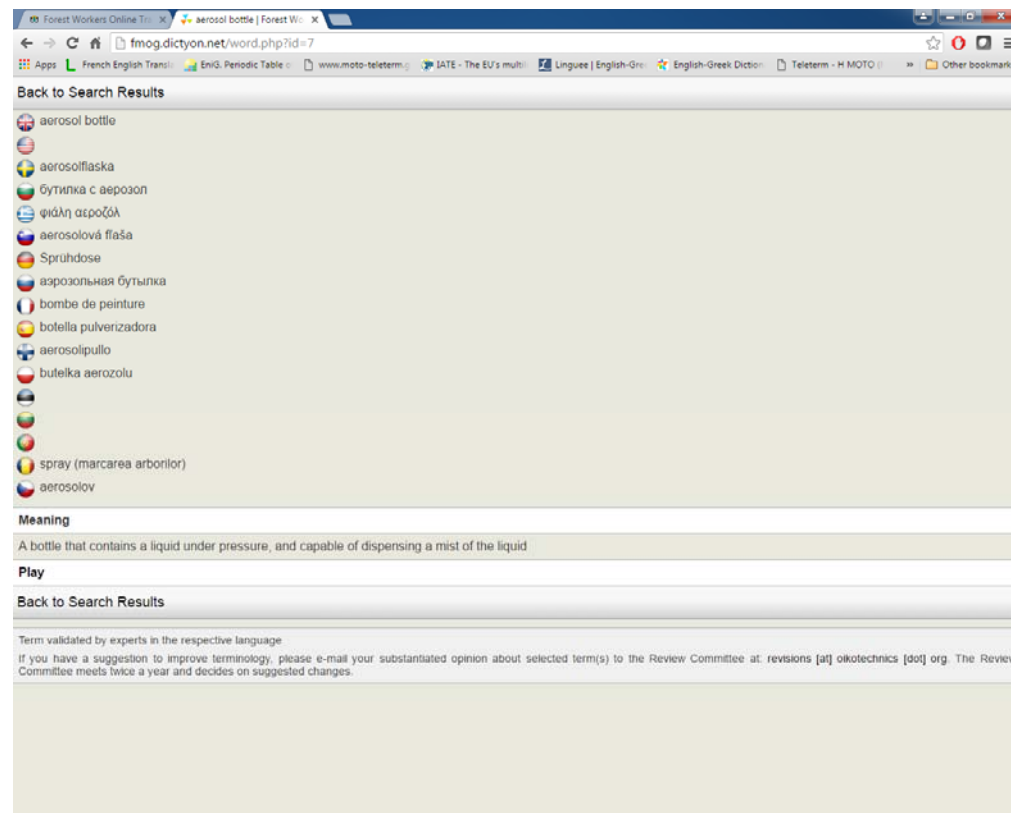
Have fun learning!

Term	Review Terms	Raw Repetition	Spaced Repetition
SOS		in Swedish	
accident		SOS alarm	
aerosol bottle		olycka	
battery		aerosolflaska	
blocked		batteri	
butane gas		blockerad	
chain shot		butangas (gasol)	
chainsaw		kedjeslakt	
check		motorsåg (motorkedjesåg)	
colleague		kontrollera	
common sense		kollega	
communication radio		sunt förnuft	
discipline		korradi	
emergency exit		disciplin	
emergency number		nödutgång (på hytt)	
ergonomics		alarmnummer (ex. 112)	
first-aid kit		ergonomi	
flashlight		första förband	
grease		ficklampa	
ignition		fett	
		tändningslås	

Lesson 1.1.1 - Safety Essentials in Forest Works - Glossary Practice

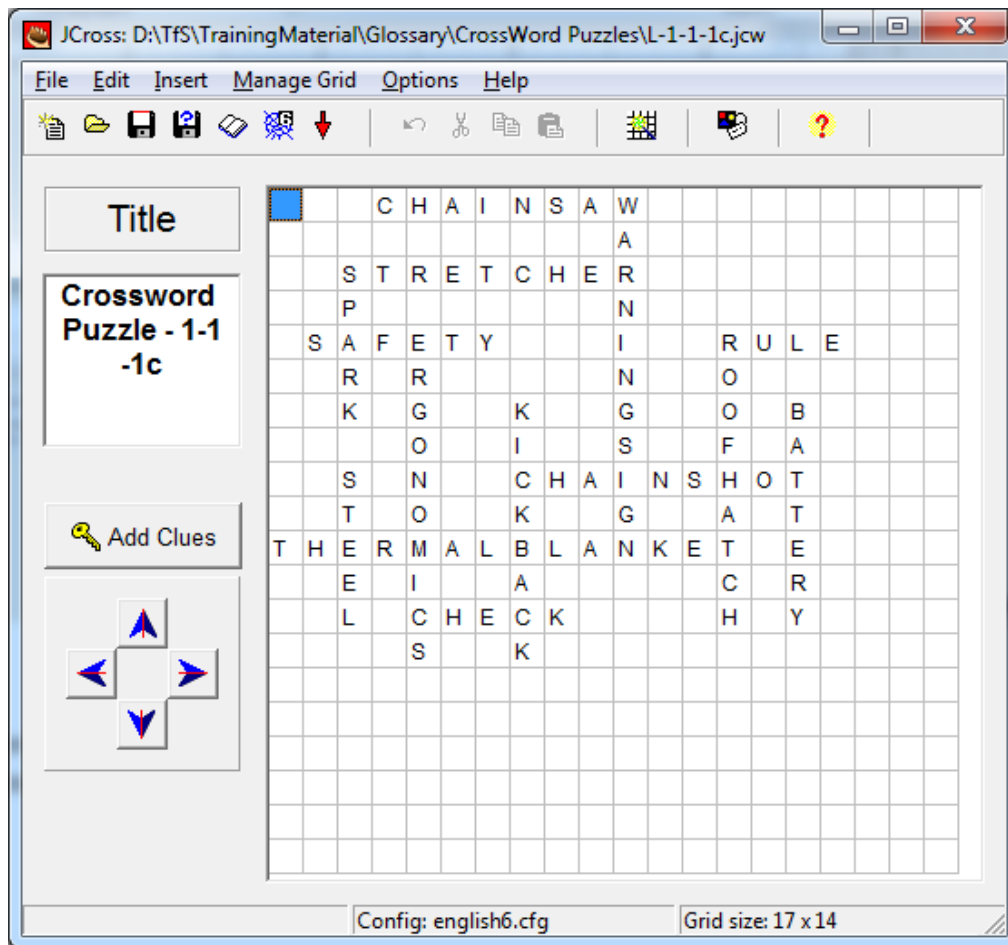


The respective definitions in English, which will be used as the crossword puzzle clues, are provided by the “Meaning” field of the Forest Worker's Glossary (fmog.dictyon.net). Alternatively, the corresponding word in another language (e.g. Swedish) can be provided instead of the English meaning.



In the opening screen of JCross, enter a Title in the respective field to the left, and enter the terms across and downwards.





When the crossword is done, click on the "Add Clues" button, and start entering the clue for each term across and down.



Add Clues

Edit Insert

Across	Words	Clues
1	CHAINSAW	A portable mechanical saw, powered by electricity, compre...
3	STRETCHER	A device for carrying a sick, injured, or dead person. (9)
4	SAFETY	The condition or state of being or feeling protected from non...
6	RULE	A set of explicit or understood regulations or principles gov...
10	CHAINSHOT	The high velocity separation and ejection of a piece or piec...
11	THERMALBLANKET	An especially low-weight, low-bulk blanket made of heat-refl...
12	CHECK	Stop or slow the progress of (something, typically somethin...

A portable mechanical saw, powered by electricity, compressed air, hydraulic power, or most commonly a two-stroke engine. (8)

✓ OK

Down	Words	Clues
2	WARNINGSIGN	A sign that indicates a hazard ahead that may not be readil...
3	SPARK	A small particle of a burning substance thrown out by a bod...
5	ERGONOMICS	The study of designing equipment and devices that fit the h...
6	ROOFHATCH	A small opening or door on the ceiling of the cabin allowing ...
7	KICKBACK	A sudden forceful recoil; usually refers to a chainsaw. (8)
8	BATTERY	A container consisting in which chemical energy is stored ...
9	STEEL	An alloy of iron with other elements, mainly carbon. (5)

A sign that indicates a hazard ahead that may not be readily apparent to an operator. (7,4)

✓ OK

✓ OK

To make the crossword puzzle easier, some additional information such as the number words and the number of letters in the term, may be provided in parenthesis at the end of the clue. For example, enter a "(8)" at the end of the clue for the term "CHAINSAW" to indicate that we are looking for a single word, 8 characters long.

The crossword may contain two or more words combined into a single term, with spaces between words removed, and appropriate additional information entered. In the case of the term "WARNINGSIGN", the additional information is (7,4), meaning that the term to be entered contains two words, with 7 and 4 characters, respectively.

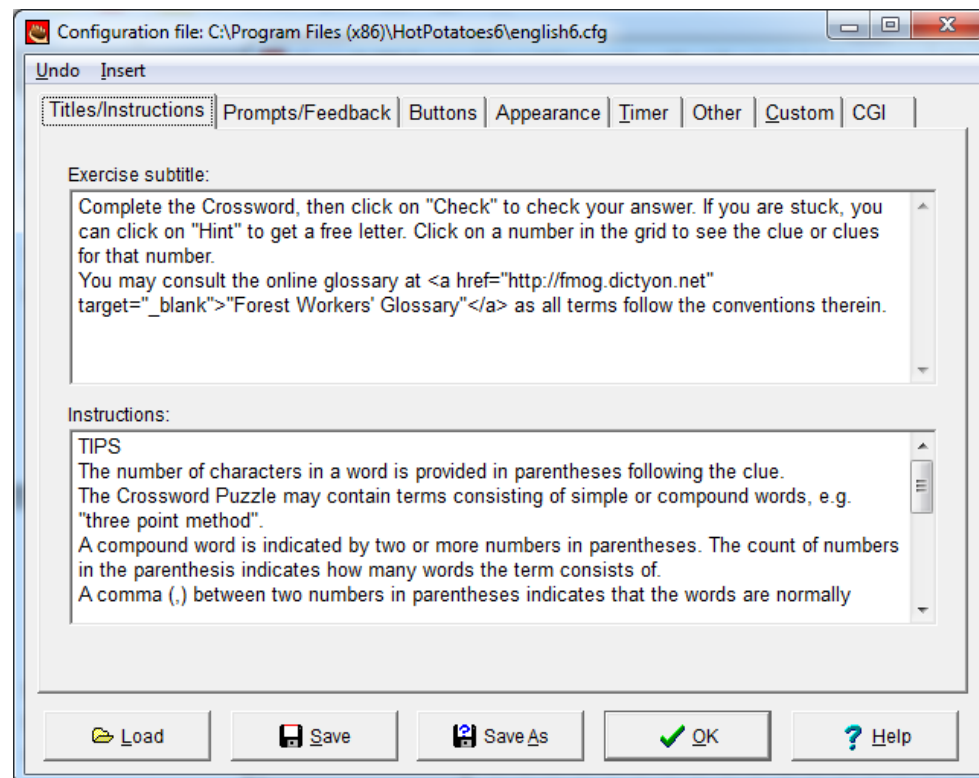
Click the "OK" button at the bottom of the dialog screen to register the clues.



Click on the disk icon or press Ctrl+S to save the crossword puzzle.

At this point, some additional information may be entered to customize the puzzle and answer some questions the students might have. Click on Options>Configure output>Titles/Instructions.

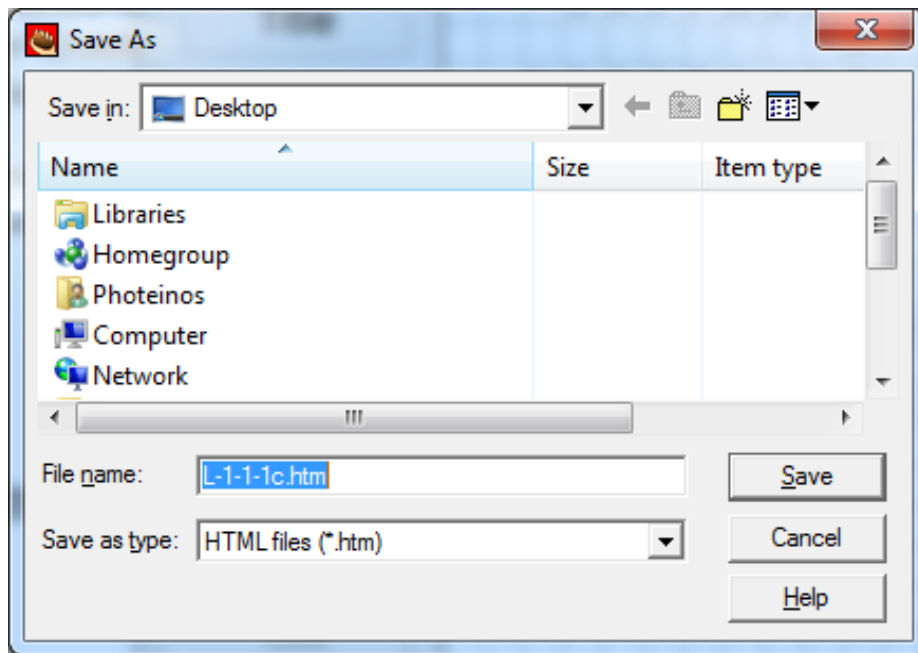
Enter the necessary information in the Exercise subtitle: and the Instructions: fields, as shown below, and click Save to keep the changes.



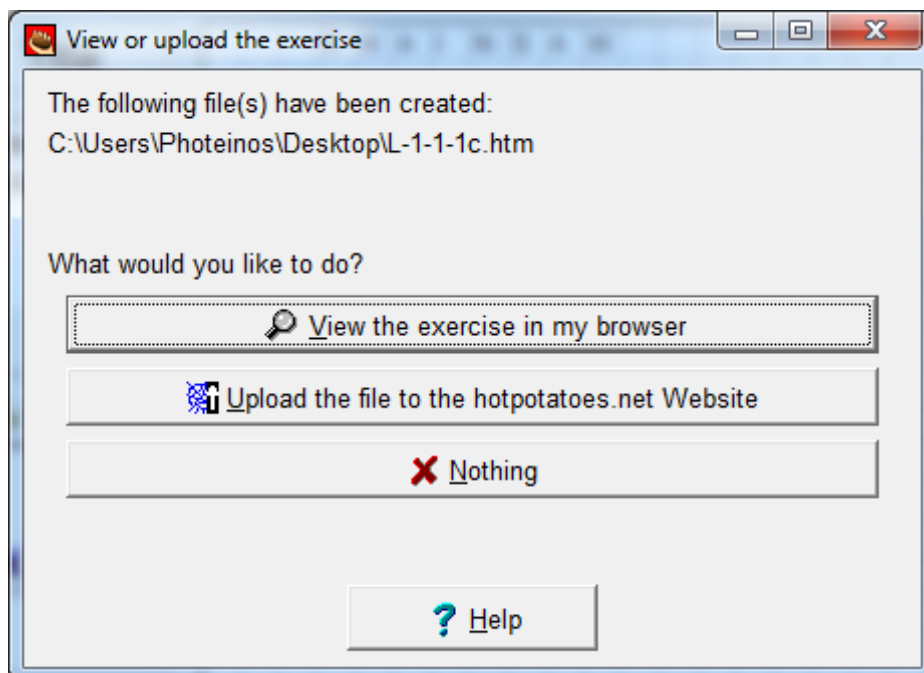
From the main screen of the JCross program, press F6 to generate the output .htm page. Depending on the size of the grid selected, the JCross program will attempt to fit as many terms as possible in the grid. If you see that many terms are missing from the end design, adjust the grid size by clicking Manage Grid > Change Grid Size and selecting a larger size grid.

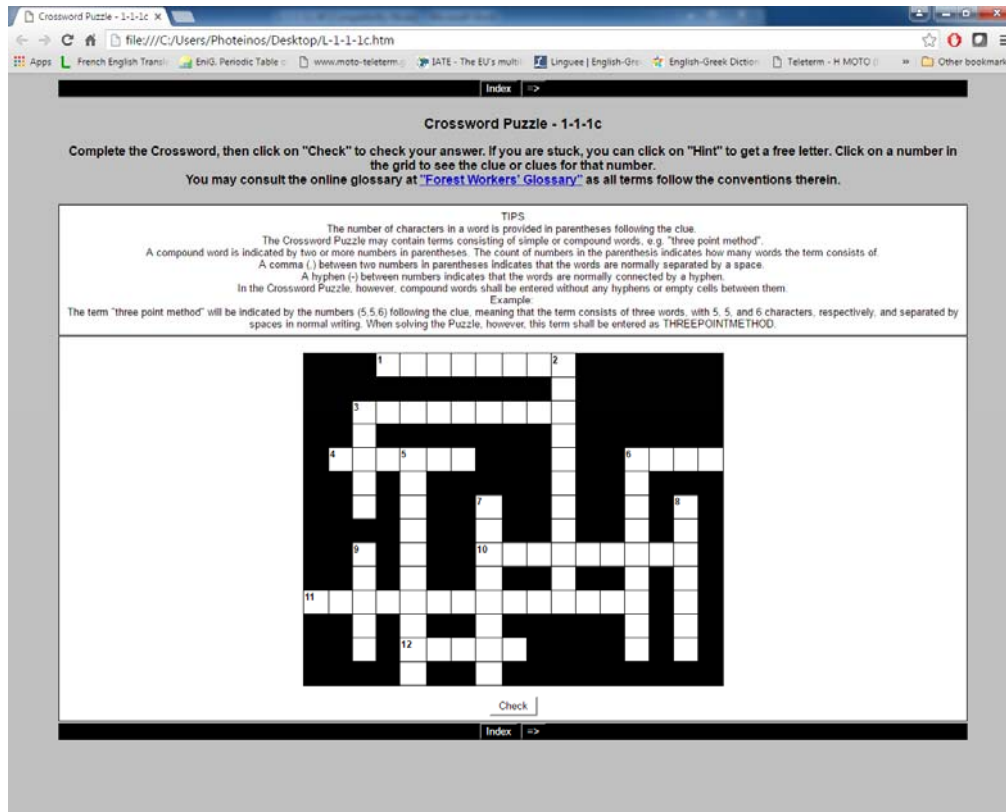
Select a location and a filename for the exercise, and click the "Save" button.





Click on the “View the exercise in my browser” button, to view the exercise in a browser window.





To start solving the puzzle, click on any word starting cell containing a number. The clue for the particular word will emerge with a blank text box to enter the term. If you are looking for a compound term with two or more words, see the TIPS at the top of the page on how to enter the term.

Press the "Enter" button to insert the term in the puzzle. If you need extra help, press the "Hint" button to open one letter of the term.




Crossword Puzzle - 1-1-1c

Complete the Crossword, then click on "Check" to check your answer. If you are stuck, you can click on "Hint" to get a free letter. Click on a number in the grid to see the clue or clues for that number. You may consult the online glossary at ["Forest Workers' Glossary"](#) as all terms follow the conventions therein.

TIPS
 The number of characters in a word is provided in parentheses following the clue.
 The Crossword Puzzle may contain terms consisting of simple or compound words, e.g. "three point method".
 A compound word is indicated by two or more numbers in parentheses. The count of numbers in the parenthesis indicates how many words the term consists of.
 A comma (,) between two numbers in parentheses indicates that the words are normally separated by a space.
 A hyphen (-) between numbers indicates that the words are normally connected by a hyphen.
 In the Crossword Puzzle, however, compound words shall be entered without any hyphens or empty cells between them.
 Example:
 The term "three point method" will be indicated by the numbers (5,5,6) following the clue, meaning that the term consists of three words, with 5, 5, and 6 characters, respectively, and separated by spaces in normal writing. When solving the Puzzle, however, this term shall be entered as THREEPOINTMETHOD.

Across: 1: A portable mechanical saw, powered by electricity, compressed air, hydraulic power, or most commonly a two-stroke engine. (8) CHAINSAW Enter Hint



Check Index =>

If two words start with the same letter, two clues will emerge, as shown below.


Crossword Puzzle - 1-1-1c

Complete the Crossword, then click on "Check" to check your answer. If you are stuck, you can click on "Hint" to get a free letter. Click on a number in the grid to see the clue or clues for that number. You may consult the online glossary at ["Forest Workers' Glossary"](#) as all terms follow the conventions therein.

TIPS
 The number of characters in a word is provided in parentheses following the clue.
 The Crossword Puzzle may contain terms consisting of simple or compound words, e.g. "three point method".
 A compound word is indicated by two or more numbers in parentheses. The count of numbers in the parenthesis indicates how many words the term consists of.
 A comma (,) between two numbers in parentheses indicates that the words are normally separated by a space.
 A hyphen (-) between numbers indicates that the words are normally connected by a hyphen.
 In the Crossword Puzzle, however, compound words shall be entered without any hyphens or empty cells between them.
 Example:
 The term "three point method" will be indicated by the numbers (5,5,6) following the clue, meaning that the term consists of three words, with 5, 5, and 6 characters, respectively, and separated by spaces in normal writing. When solving the Puzzle, however, this term shall be entered as THREEPOINTMETHOD.

Across: 6: A set of explicit or understood regulations or principles governing conduct or procedure within a particular area of activity. (4) Enter Hint

Down: 6: A small opening or door on the ceiling of the cabin allowing access from above or operator escape to the outside. (4,5) Enter Hint

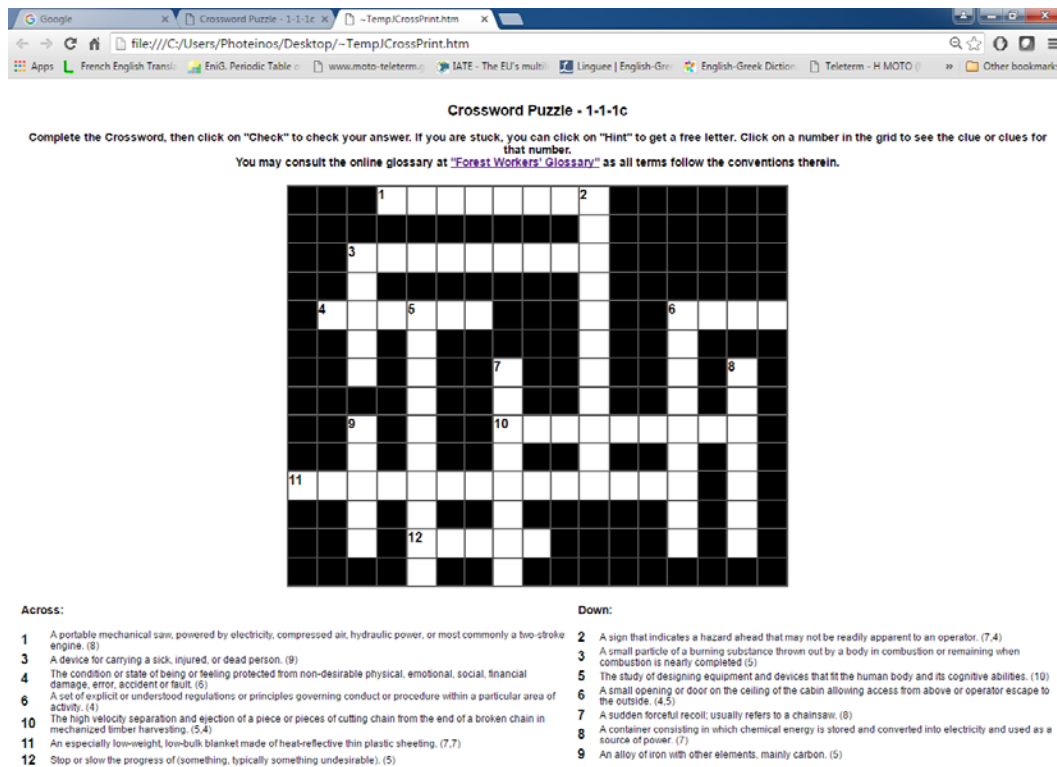


Check Index =>

Enter the appropriate term in each, followed by clicking on the "Enter" button.



To print the puzzle, go back to the JCross screen, click on File>Export for printing. The .htm output page with the puzzle and the clues at the bottom of the page opens in your browser.



Crossword Puzzle - 1-1-1c

Complete the Crossword, then click on "Check" to check your answer. If you are stuck, you can click on "Hint" to get a free letter. Click on a number in the grid to see the clue or clues for that number.

You may consult the online glossary at "[Forest Workers' Glossary](#)" as all terms follow the conventions therein.

Across:

- 1 A portable mechanical saw, powered by electricity, compressed air, hydraulic power, or most commonly a two-stroke engine. (8)
- 3 A device for carrying a sick, injured, or dead person. (9)
- 4 The condition or state of being or feeling protected from non-desirable physical, emotional, social, financial damage, error, accident or fault. (6)
- 6 A set of explicit or understood regulations or principles governing conduct or procedure within a particular area of activity. (4)
- 10 The high velocity separation and ejection of a piece or pieces of cutting chain from the end of a broken chain in mechanized timber harvesting. (5,4)
- 11 An especially low-weight, low-bulk blanket made of heat-reflective thin plastic sheeting. (7,7)
- 12 Stop or slow the progress of (something, typically something undesirable). (5)

Down:

- 2 A sign that indicates a hazard ahead that may not be readily apparent to an operator. (7,4)
- 3 A small particle of a burning substance thrown out by a body in combustion or remaining when combustion is nearly completed (5)
- 5 The study of designing equipment and devices that fit the human body and its cognitive abilities. (10)
- 6 A small opening or door on the ceiling of the cabin allowing access from above or operator escape to the outside. (4,5)
- 7 A sudden forceful recoil; usually refers to a chainsaw. (8)
- 8 A container consisting in which chemical energy is stored and converted into electricity and used as a source of power. (7)
- 9 An alloy of iron with other elements, mainly carbon. (5)

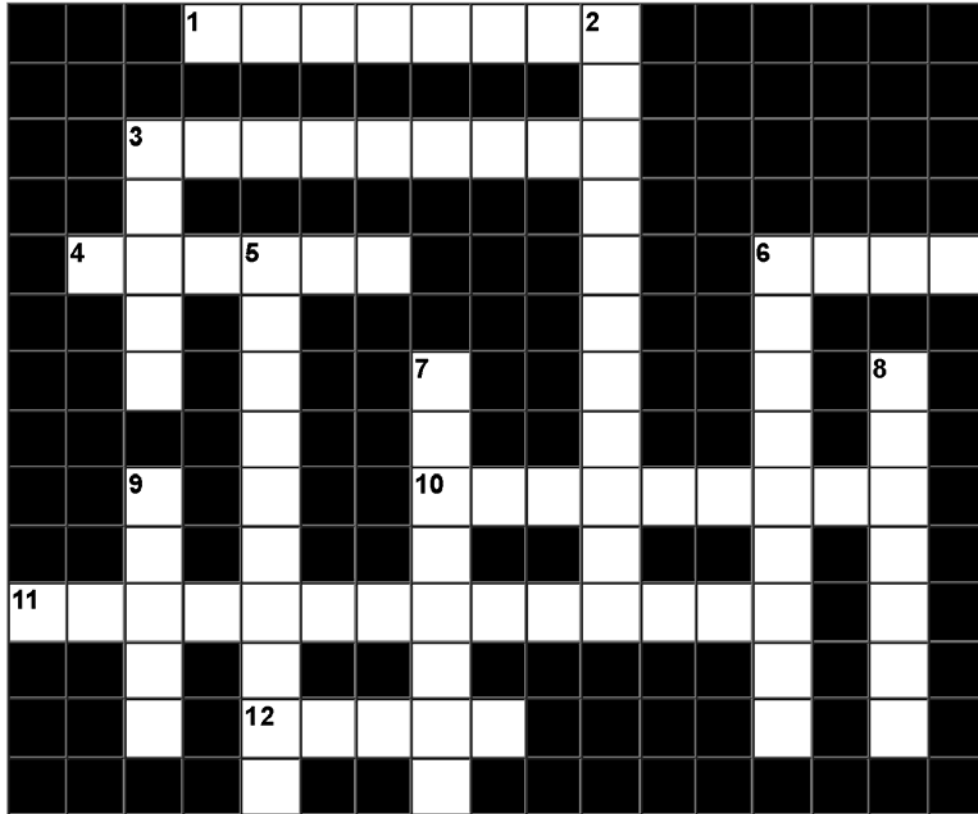
Clicking on the puzzle title toggles between a key and the actual crossword puzzle. Right click anywhere on the page, and select Print... The following two figures provide a likely image of your printout.



Crossword Puzzle - 1-1-1c

Complete the Crossword, then click on "Check" to check your answer. If you are stuck, you can click on "Hint" to get a free letter. Click on a number in the grid to see the clue or clues for that number.

You may consult the online glossary at "[Forest Workers' Glossary](#)" as all terms follow the conventions therein.



Across:

- 1** A portable mechanical saw, powered by electricity, compressed air, hydraulic power, or most commonly a two-stroke engine. (8)
- 3** A device for carrying a sick, injured, or dead person. (9)
- 4** The condition or state of being or feeling protected from non-desirable physical, emotional, social, financial damage, error, accident or fault. (6)
- 6** A set of explicit or understood regulations or principles governing conduct or procedure within

Down:

- 2** A sign that indicates a hazard ahead that may not be readily apparent to an operator. (7,4)
- 3** A small particle of a burning substance thrown out by a body in combustion or remaining when combustion is nearly completed (5)
- 5** The study of designing equipment and devices that fit the human body and its cognitive abilities. (10)
- A small opening or door on the ceiling of

And



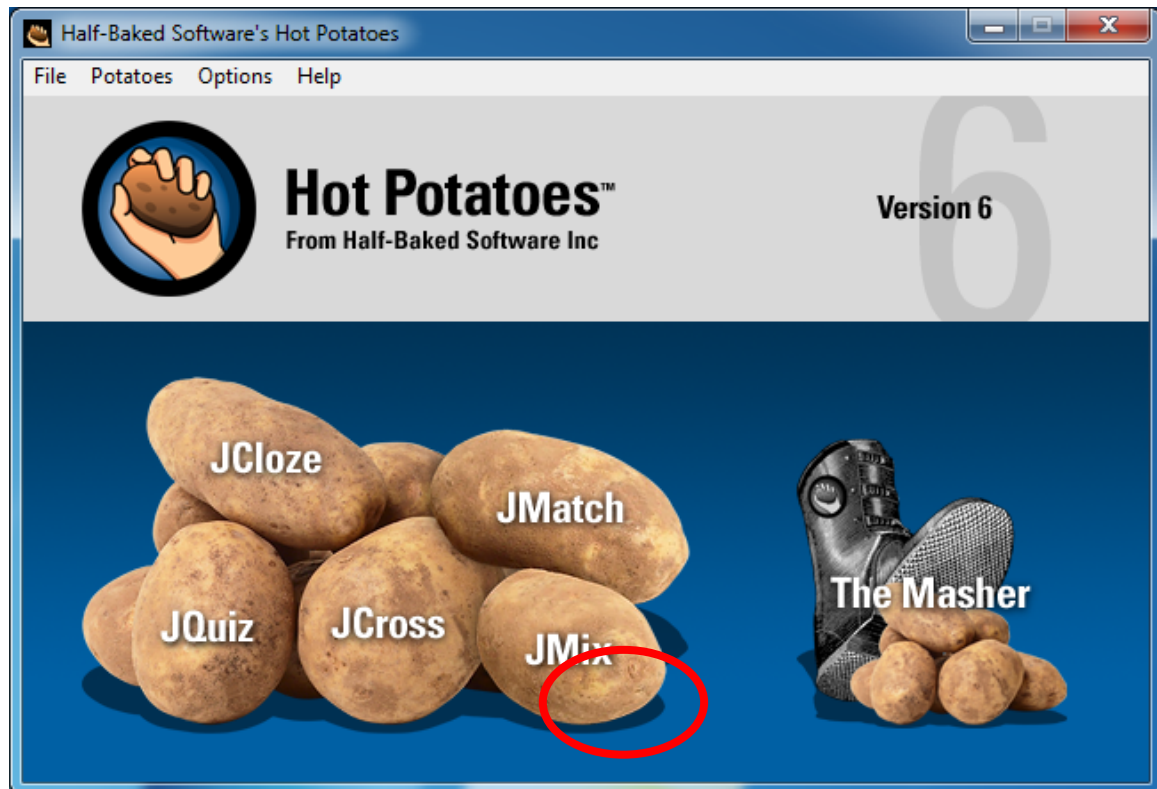
- a particular area of activity. (4)
- 10** The high velocity separation and ejection of a piece or pieces of cutting chain from the end of a broken chain in mechanized timber harvesting. (5,4)
- 11** An especially low-weight, low-bulk blanket made of heat-reflective thin plastic sheeting. (7,7)
- 12** Stop or slow the progress of (something, typically something undesirable). (5)
- 6** the cabin allowing access from above or operator escape to the outside. (4,5)
- 7** A sudden forceful recoil; usually refers to a chainsaw. (8)
- 8** A container consisting in which chemical energy is stored and converted into electricity and used as a source of power. (7)
- 9** An alloy of iron with other elements, mainly carbon. (5)

Note: There are many free crossword compilers online, and the user is encouraged to search and download their own.

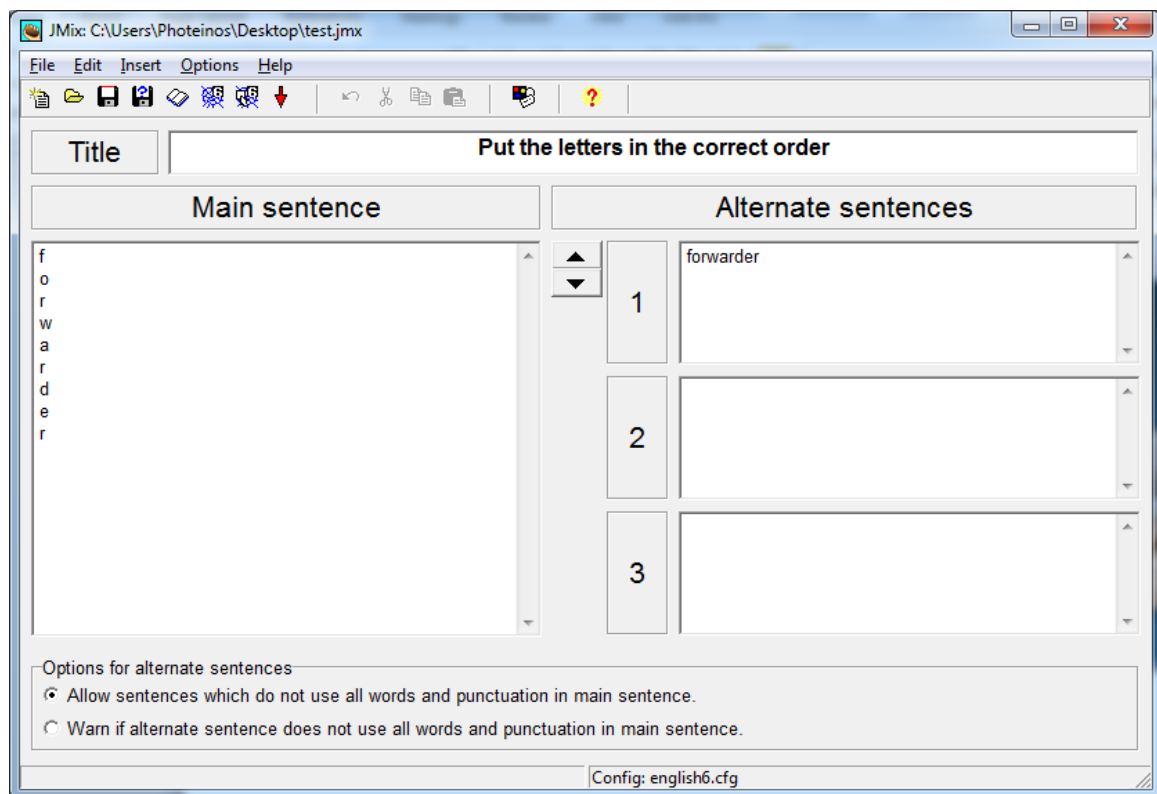
Hangman

Hot Potatoes offers the capability of constructing some word games for vocabulary practicing or for putting the words of a sentence in the correct order. Here we will examine the functionality of ordering jumbled words. It is not exactly the Hangman version, but it can become very exciting if you add a timer to it.

Launch Hot Potatoes and click on the JMix program

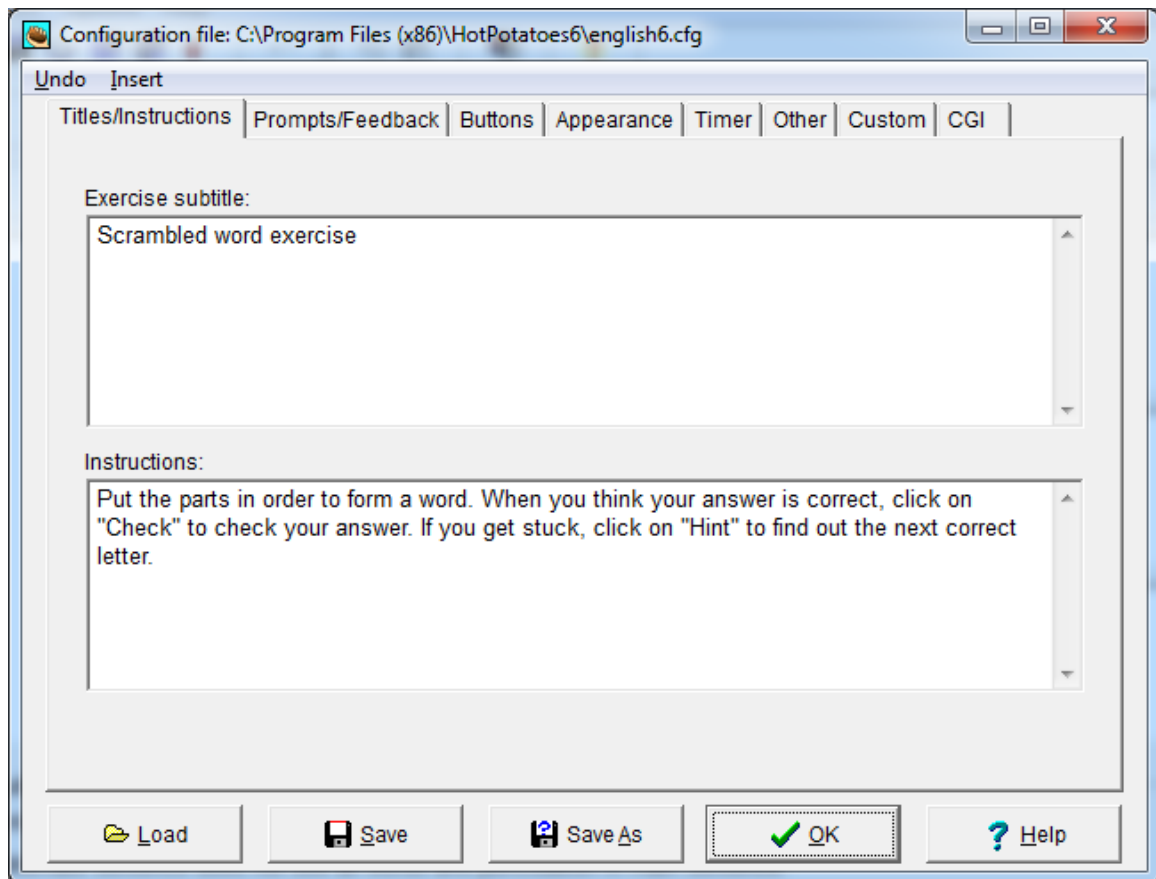


Enter a descriptive text about the exercise in the Title field, and in the Main Sentence pane enter the word one letter on a line, and use the return key to go to the next line. In the Alternate sentences pane to the right enter the word to be scrambled.



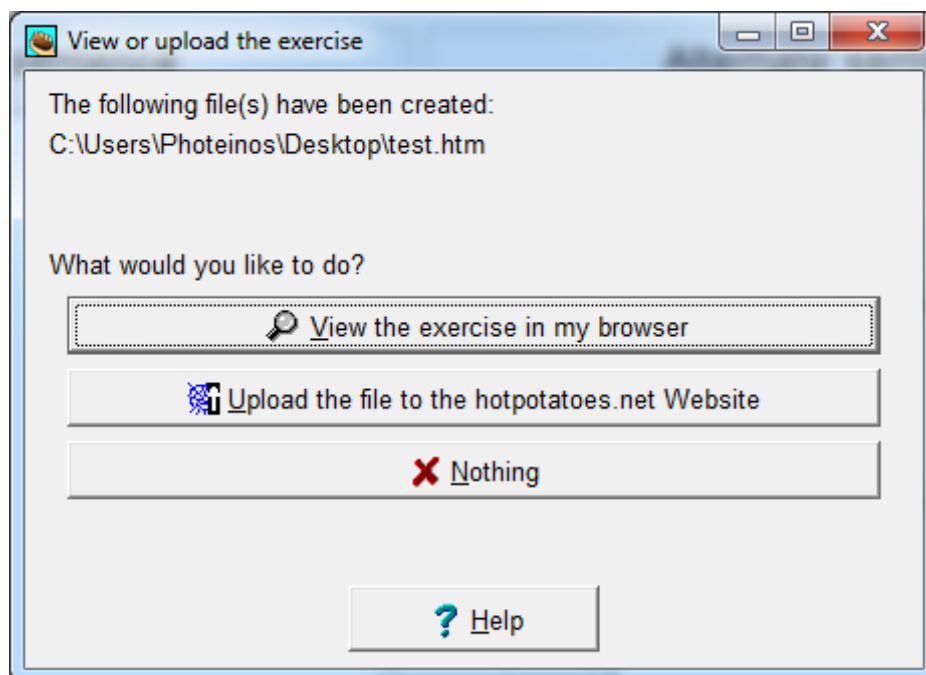
If you wish, you can click on the Options>Configure output tab on the toolbar to enter some further information about the exercise. Click "OK" when you are done.



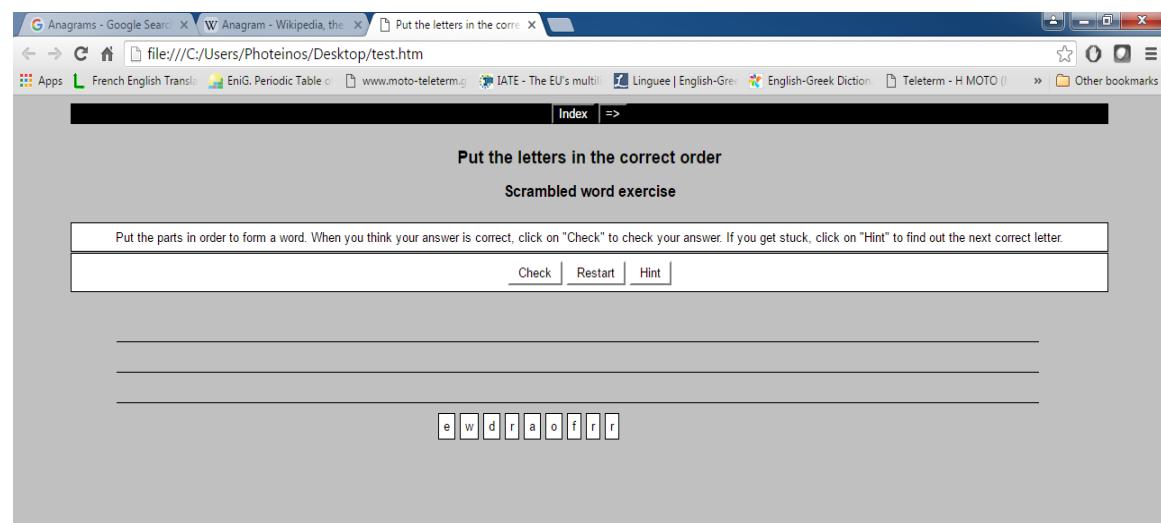


Press Ctrl+S to save the exercise; select a location and a filename, and press "Save".

Press F6, to view the output file. Save the exercise, and click on the "View the exercise in my browser" button to open the exercise in an interactive mode.



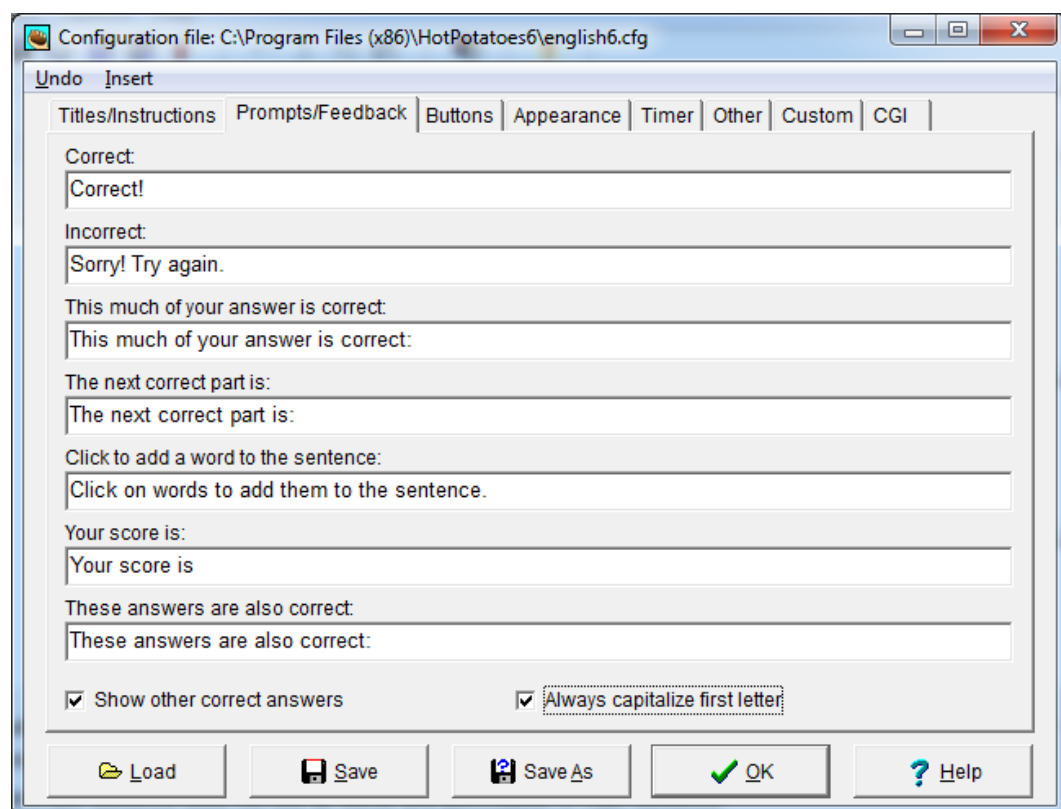
A new window opens in the browser, showing the scrambled letters of the world underneath three blank lines.



Drag and drop each letter to the correct order on the top line to form the word.

You can always ask for a Hint, and can Check the answer.

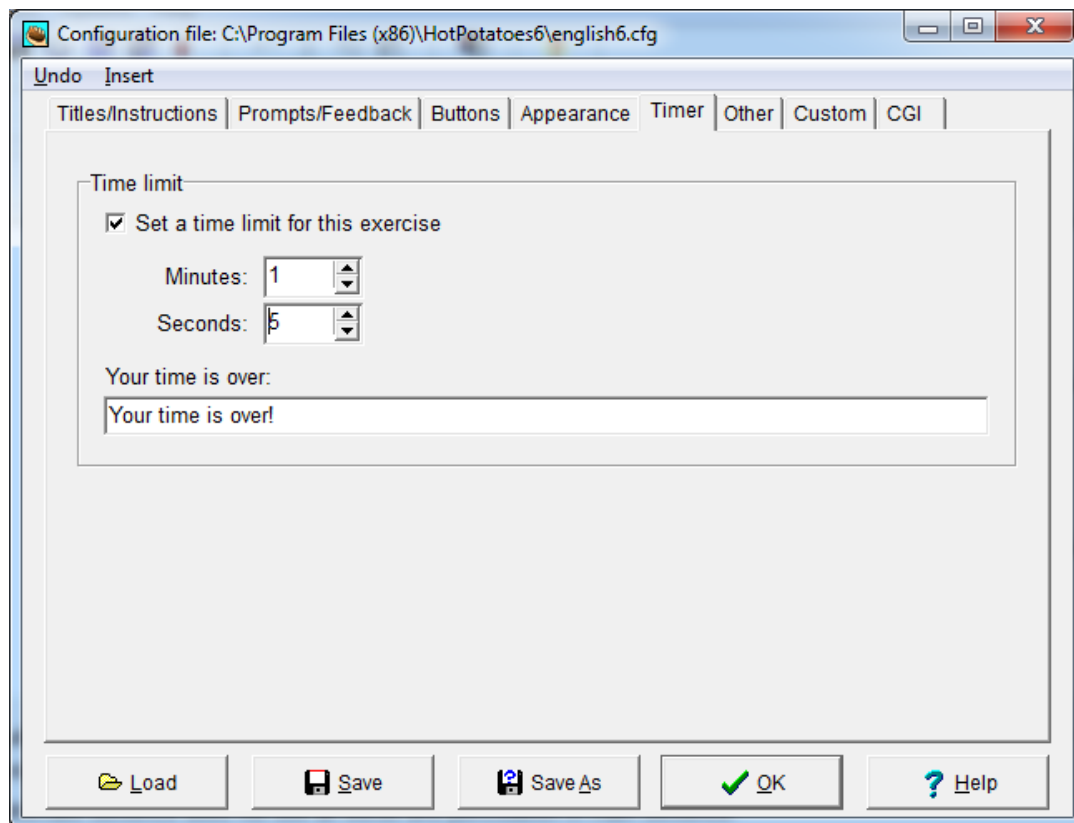
To make things easier, go to Options>Configure Output>Prompts and Feedback and click on the Always capitalize the first letter check box.



For a more challenging test, you can set a time limit for completing the exercise; click Options > Configure Output and click on the "Timer" tab. Click on the "Set a time

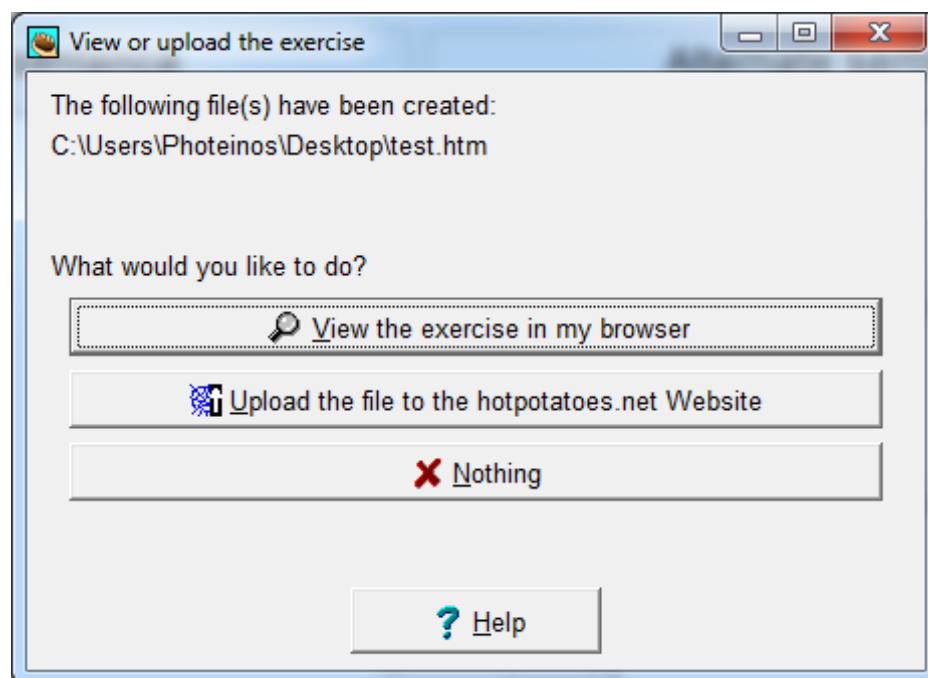


limit for this exercise” and provide the minutes and seconds allowed for completion, and click “OK” to exit.

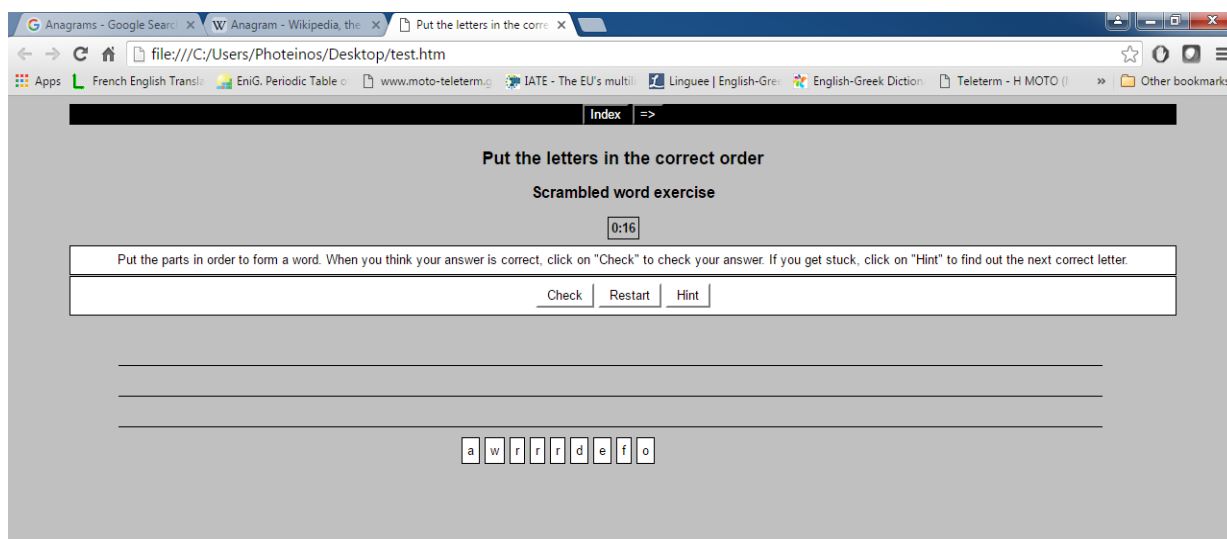


Press OK to save the changes.

Press F6 to generate the output .htm file. Save the output, and click on the “View the exercise in my browser” button.



A new browser window appears, and the counter starts the countdown. If the timer runs out, sorry, you are “hanged”.



GLOSSARY PRACTICE

Memory

Human memory is amazing in many ways: it can store a huge amount of diverse information, such as people's faces, smells and odors, sounds and pictures, numbers, words, associations, places, etc. This wealth of information is easily retrievable virtually under any circumstances, and it remains stored for various lengths of time. It is not affected by power blackouts, malware attacks or mechanical failures, bar severe illness, mental conditions, trauma and age.

Memory can make the difference between survival and death, prosperity and failure, happiness and misery. It is adaptable and it can be trained to perform unbelievable feats.

How memory works

Although not all neurological aspects of memory have been clarified, it seems that memory is the association of two or more sets of neurons in the brain and the exchange of information in the form of nerve impulses traveling along a certain path of nerves and transferred across synapses from one set to the other.

During memory encoding, the brain essentially attempts to make the connection or “pave” the path; when path-paving is completed, the connection has been made and



the information stored. During memory retrieval, the information travels along the pre-established connection or pre-paved path.

The problem

For some activities, like learning how to ride a bicycle, memory seems to be permanent: once you have learned how to ride a bike, you never forget it. For most other activities, however, memory tends to fade with age or with other genetic or environmental factors, such as bad genes, smoke, alcohol, other toxic substances, etc.

Recent studies have discovered a “use it or lose it” effect for the memory; in other words, improved memory and perhaps reversal of memory deterioration can result by mental stimulation, physical exercise and healthy overall habits.

Using the analogy of the “paved” path mentioned above, memory degradation is attributed to the wear and tear of the path. Nerve impulses traveling down the worn path have trouble reaching and may never reach the destination neurons. A solution may be periodic “path restoration” by the same vehicles (impulses) going over the said path, and good practices by healthy way of living. A path not used or abused, does not get any maintenance or gets insufficient maintenance, respectively, and fails to be restored.

Technology devices including smart phones, computers, PDAs, etc. remove the burden of memorizing a load of information, but their role in memory preservation is questionable.

The traditional approach

The downside of any type of raw memorization is the limited retention of information. It has been shown that within 2 days after memorization, 60% of the information is forgotten, and within 4 days, 80% of the information is permanently lost.

Spaced Repetition

Spaced repetition is a learning technique in which material easily remembered does not need to be repeated as often as material not remembered. It is a method used to make the brain store more information.

The Spaced Repetition technique has its origins in the memorization flashcards (<https://www.youtube.com/watch?v=33Dlo8iU7ws>). Flashcard decks work by splitting the pair of a term and its definition between the front and the back side of a 3 x 5” index card, and then going over each card in the deck looking at the front side



and trying to remember what is on the back side. The cards most easily remembered are removed from the deck and placed in a separate stack, whereas the challenging ones to remember are placed at the end of the deck and rotated frequently. There is no need to go over the "easy" cards as frequently as the "difficult" ones, so this is what makes spaced repetition a more efficient learning technique compared to raw repetition: You devote more time to learn/recall what you don't know than what you do know. The process must be repeated as many times as required until all cards have been placed in the "easy" stack.

How to make effective flashcards

The student must be creative in making the flashcards. This is one case where the *end justifies the means*, so ANYTHING GOES. Use different colors, drawings (they don't have to be perfect; the uglier, the better), signs, symbols, uppercase/lowercase letters, arrows, etc. Whatever works best, and to each his own. The point is to make vivid associations between the visual aids and the information to be remembered (<https://www.youtube.com/watch?v=3wk8LYhZAZ0>). The more time invested in making the flashcards, the better results, so consider the time and pain it takes to make good flashcards an investment in success.

The technique has been shown to yield spectacular results in memory-intensive situations, where memory tends to fall apart; for example, in "cramming" situations before an approaching exam, such as medical school students, law school students, remembering faces, language learning, etc.

Some advantages of the traditional deck of flashcards is that they are relatively inexpensive, they do not require any special equipment to make, and are easily carried in a pocket or in a backpack; hence, they can be used anywhere to take advantage of "wasted" time, such as on the bus or subway to or from school, while waiting in a long line, studying with a fellow commuter, during lunch break, and have wide applications, ranging from human anatomy to language learning.

To produce long-term knowledge retention, however, knowledge must be obtained at regular intervals and "cramming" must be avoided. Repetition needs to be spread out over time, so that the brain neurons involved in the memory process are renewed faster or survive longer, and knowledge is retained longer (<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1876761/>).

The space interval between repetitions is important and may vary. As a rule of thumb, **reviewing material within 24 hours after first learning of the information is the optimum time to re-read notes and reduce the amount of information forgotten.**

In the case of flashcards, it has been shown that practicing every day for a minimum of 30 minutes might be the best way of achieving great results. Ideally, students should practice with their flashcards at the same time every day. If one day students miss the drill, they should make up for it the next day by studying twice as much. The



learning curve has reached a plateau when the process has been repeated seven times, and students can go through the entire deck of cards without errors. Because a deck of cards is not a bicycle and memory tends to slip away, students should not rest on their laurels, and they should go over the same deck of cards 2-3 days later. If they are successful again, the next review may be scheduled 6-7 days later. Failure to review the deck of flashcards for more than 1-2 days after the initial knowledge simply means that the original effort is wasted and almost 80% of the knowledge forgotten.

The secret of success with flashcards is that they offer individualized learning. In making their own cards, students interact with the information, develop an understanding, and organize knowledge based on their own creativity, experiences, preferences, skills, way of thinking, humor, personality traits, views, emotions, interests, etc. The reason why this variety of attributes is desirable is that each involves a different part of the brain and thus offers more alternative ways to remember the information.

It does not help to borrow someone else's deck of flashcards or to buy pre-made flashcards when learning a foreign language, because this will not put the mind to work on how to organize the information, and it will take away a major part of the learning process.

Under a different set of circumstances, the process of making flashcards could be labeled active or creative learning, but it is so subtle that it may go undetected as a true learning process.

Flashcards do not necessarily have to present the information in a coherent/reasonable/logical/orderly way. In fact, it has been known that "stupid" or "bizarre" cards are much better than boring flashcards.

CAUTION: do not make cards too complicated or too artistic, as they can be distractive; instead, try to focus on the core information of the item studied.

Spaced repetition software

With the advent of computer and increased use in educational applications, the uncertainty of reviewing the knowledge has been taken away.

Today there are more than 35 spaced repetition software for all operating systems, desktop computers, smartphones and platforms (https://en.wikipedia.org/wiki/List_of_flashcard_software). Almost all of them offer multiple number of sides, so that multiple fields of information about a single item can be entered. Almost all of them offer Unicode support, meaning that they support all glyphs and therefore languages; most of them support audio and images, and some of them offer video and a many other formats. Most of them support printing and import/export operations. And finally, most of these software have free to use versions.



Anki

Anki is a spaced repetition flashcard program to help remember things easily.

More specifically, Anki (which is the Japanese word for "memorization") is a software for vocabulary acquisition and/or improvement. Using pedagogical principles and based on the spaced repetition tenet, Anki is much more efficient than traditional learning tools, because it can decrease the amount of time spent studying a subject, or it can increase the amount of knowledge learned within a certain period of time (<http://ankisrs.net/>).

Anki offers a host of capabilities, such as media-rich content, including audio and video clips, images, scientific symbols and math equations, synchronization across devices, allowing the study to continue both online and on a cell phone, can handle huge decks of over 100,000 cards, and it is supported by a large number of add-ons.

Anki has versions for Windows, Mac OS X, Linux and FreeBSD operating systems, as well as for iPhone/Android, making it essentially a comprehensive cross-platform application.

It was written in Python by Damien Elmes and the first release was in 2006. Its current stable version is 2.0 and it is distributed under the GNU Affero General Public License, which stipulates that copies of the software can be distributed freely provided that the same rights will be preserved in derivative works down the line (https://en.wikipedia.org/wiki/GNU_Affero_General_Public_License and <https://en.wikipedia.org/wiki/Copyleft>).

Download and install Anki

The program can be downloaded for free from <http://ankisrs.net/> for the particular system on which it will be installed. Installation is straightforward, and instructions can be found on the URL above, along with an extensive online manual (<http://ankisrs.net/docs/manual.html>).

Construct a deck of cards for studying

Go to Forest Worker's Online Training Tool (<http://cd.dictyon.net/home-page-1>), and click on the Chapter and the Lesson you want to study (e.g., Lesson 1.1.1.).

From the drop down menu "Current Language" on the upper right corner of the screen, select your language (e.g. Swedish), and click on the "Glossary Practice" button on the bottom of the screen.



Forest Workers Online Training

cd.diction.net/lesson/Safety-essentials-when-working-in-and-out-of-the-forest-10

Home Page About the Project Teacher Training Current Language: Swedish

Basic Knowledge

- Chapter 1 - Work Safety
 - Lesson 1.1.1 - Safety Essentials in Forest Works
 - Lesson 1.1.2 - Emergency Communication
 - Vocabulary Review
 - Test Yourself
 - References
- Chapter 2 - The Work Environment
- Chapter 3 - The Machine Operator - The Company's Face
- Chapter 4 - Responsibility, Social Competence and Team Spirit
- Chapter 5 - Communication
- Chapter 6 - Care of the Machine
- Chapter 7 - When Fire Strikes
- Chapter 8 - Water Conservation
- Chapter 9 - Reading the Terrain
- Chapter 10 - Basic Driving Technique
- Chapter 11 - Getting Stuck
- Chapter 12 - Planning a Harvesting Operation

Lesson 1.1.1 - Safety Essentials In Forest Works

p. 1:1 - 1:13

Can Do

After completing this Lesson, learners will:

- Be safe when "climbing around" a machine using the "three point method"
- Know how to save lives when an **accident** happens in the working location
- Know the minimum safety requirements when working alone in the forest
- Have a good knowledge of the common safety rules when operating forest machines

Warm Up

- Do you feel comfortable with your knowledge of work safety?
- What else would you like to learn about safety in the forest?
- Can you mention some safety rules when you are working in the forest?
- What are the minimum safety requirements/rules when somebody approaches a forest machine?

Learning Tasks

Read pages 1:1 - 1:13 of the book "Working in Harvesting Teams", Part 1, and

1. Prepare a list with the unknown and/or interesting terms, look them up in a **dictionary**, and discuss them in class
2. Write a short summary and read it loud before the class audience
3. Develop your own mnemonics for the hard-to-remember terms, and
4. Have fun by organizing a brainstorming session/mnemonics party in class to improve and share them

Exercises

Extra Material

Case Study Glossary Practice

In the emerging window, scroll down and click on the "Review Terms" tab. The list of terms for the particular Lesson appears.

Hold down the left button of the mouse and select the list of English and Swedish terms.



Forest Workers Online Training

cd.dictionary.net/lesson/Safety-essentials-when-working-in-and-out-of-the-forest-10

Apps French English Transl... EnIG Periodic Table... www.moto-telem... IATE - The EU's multi... Linguee | English-Gre... English-Greek Dictio... Telem - H MOTO | Other bookmarks

minor	minderårig
mobile phone	mobilttelefon
near accident	olyckstillbud
oil	olja
oil injection	oljeinjektion
oxyhydrogen gas	knallgas
personal alarm	personlarm
personal injury	personskador
position	position (geografisk belägenhet)
propane gas	propangas (gasol)
safety glasses	skyddsglasögon
safety margin	säkerhetsmarginal
sobriety	nykterhet
spark	gnista
stretcher	bår
thermal blanket	värmeis
three point method	trepunktsmetoden
trapped	fästklämd
welding	svetsning
wildlife	livet i naturen
wood-soled shoes	träskor
working speed	arbetsvarvtal
workon bulb	arbetslampa

Trainees are encouraged to be creative and develop their own mnemonics for remembering the technical terminology. For example, you can make a joke or a funny story about a specific term, or you can be more productive by developing a short story or even a song (for the more artistically inclined in you) to try to remember more than one words at a time. This is one case that group study may pay large dividends, as two (or more) brains working on the same problem are better than one. If you have access to the Internet, you can learn some secrets from memory athletes, championships, competitions or contests, and you can try to apply some of these methods to your own learning endeavors. The more competitive types of you can organize evenings of fun and play the game of forestry worker vocabulary building, much the same way as when playing word guessing games, such as Taboo, Scrabble, Hangman, etc.

Chapter 12 - Planning a Harvesting Operation

Lesson 1.1.1 - Safety Essentials in Forest Works - Glossary Practice

Right click on the selected list and select “Copy” from the pop up menu.

Open a text editor, such as Notepad, right click on it, and click on “Paste”. This will copy the list of selected terms into a text file.

lesson1.txt - Notepad

File Edit Format View Help

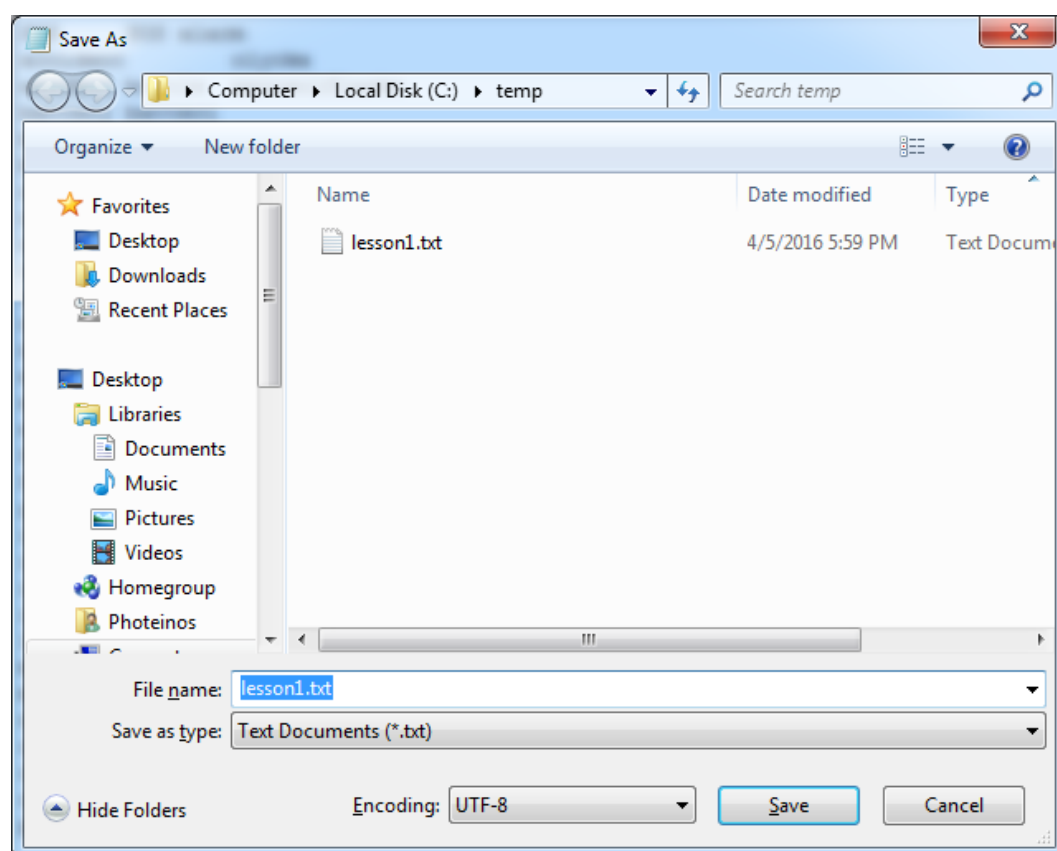
```

SOS      SOS alarm
accident      olycka
aerosol bottle      aerosolfaska
battery batteri
blocked blockerad
butane gas      butangas (gasol)
chain shot      kedjeskott
chainsaw      motorsåg (motorkedjesåg)
check      kontrollera
colleague      kollega
common sense      sunt förnuft
communication radio      komradio
discipline      disiplin
emergency exit      nödutgång (på hytt)
emergency number      alarmnummer (ex. 112)
ergonomics      ergonomi
first-aid kit      första förband
flashlight      ficklampa
grease fett
ignition      tändningslås
incident      incident
injury skada
instructor      Instruktor
leak      läcka, läckage
minor      minderårig
mobile phone      mobiltelefon
near-accident      olyckstillbud
oil      olja
oil injection      oljeinjektion
oxyhydrogen gas      knallgas
personal alarm      personlarm

```



Click on File>Save as...> select a location for saving the file (for example C:\temp), give it a name (in our example, 'lesson1'), and save it as UTF text (click on "Encoding:", select "UTF-8", and press on the "Save" button).



The file is saved as a UTF-8, tab separated text file, containing the English and the corresponding terms separated by a tab. Close Notepad.

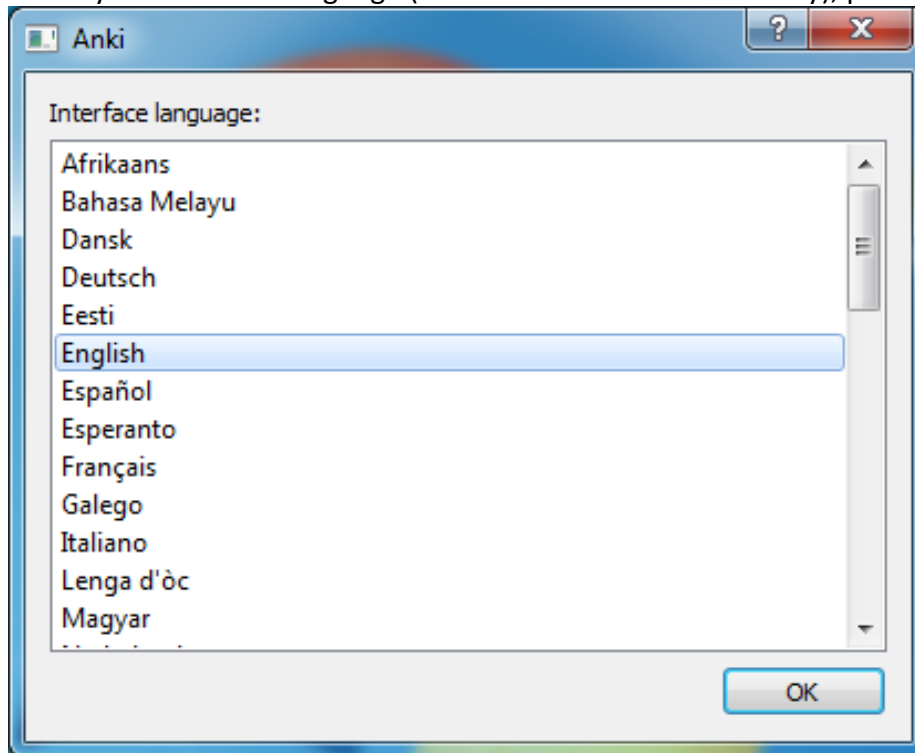
Confirm that everything is saved, by opening the above lesson1.txt file and verifying that all information, including special characters in your language, have been saved. Here is a good practice to check how many term pairs have been imported (you will need it later on). For example, if you are working on the Glossary Practice of Lesson 1.1.1, the imported number of terms is 47.

Importing the list of terms to Anki

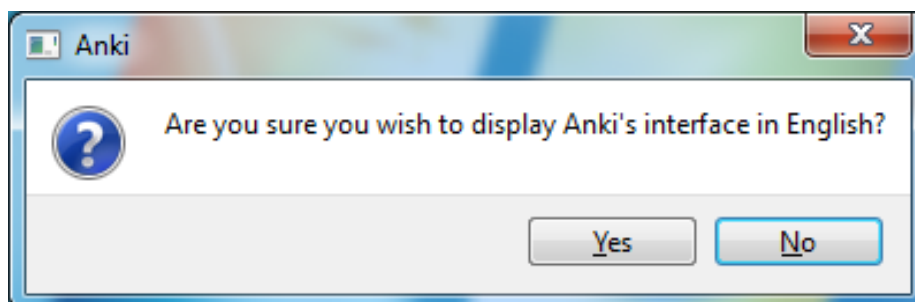
Run the Anki software installed in your computer.



Select your interface language (first time after installation only), press OK

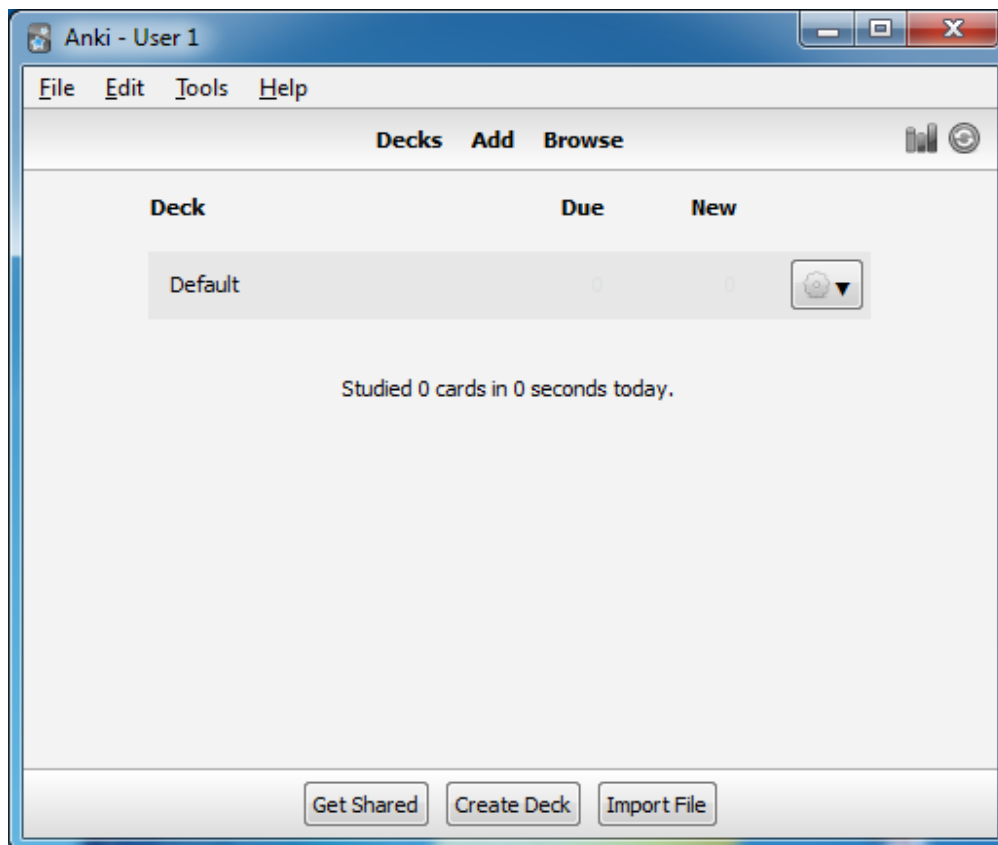


and confirm that you wish to display Anki's interface in your language.

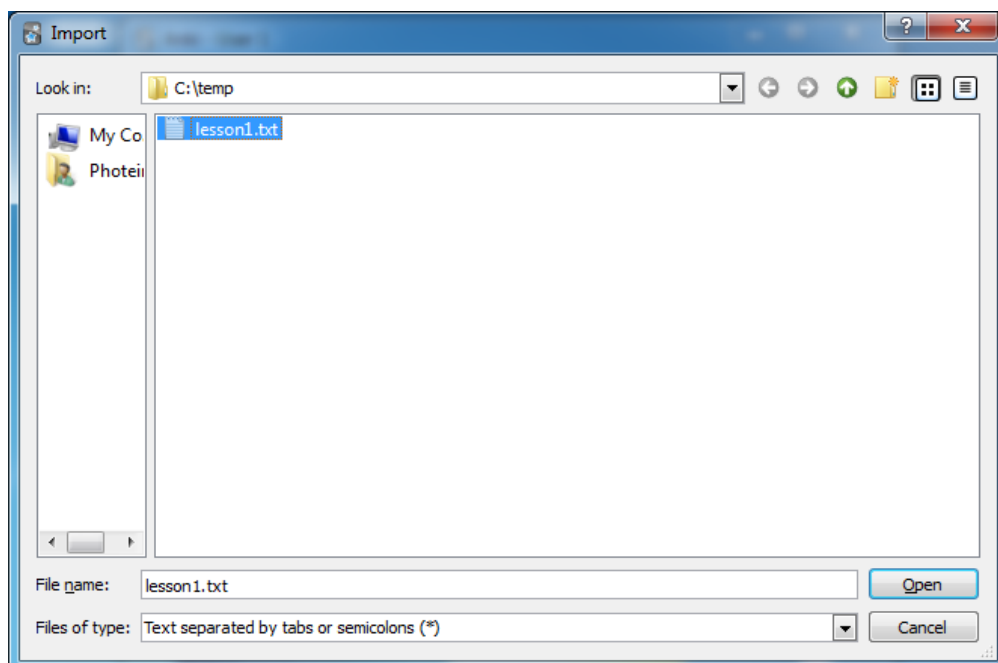


In the opening screen of Anki,





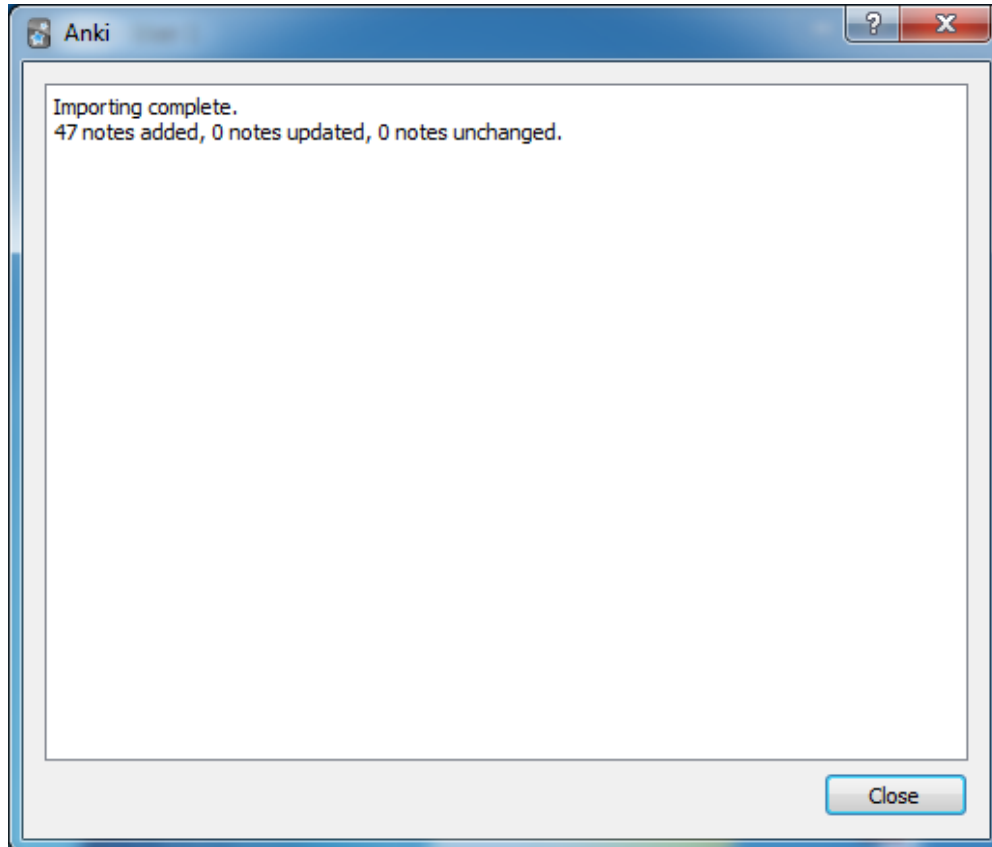
click on the "Import File" button at the bottom of the screen, navigate to the directory where you have saved the tab separated text file (e.g. lesson1.txt) you created earlier, select the file and click "Open".



In the opening dialog screen, verify that all displayed settings are correct, and make any adjustments, if required. Click on "Import" to continue.



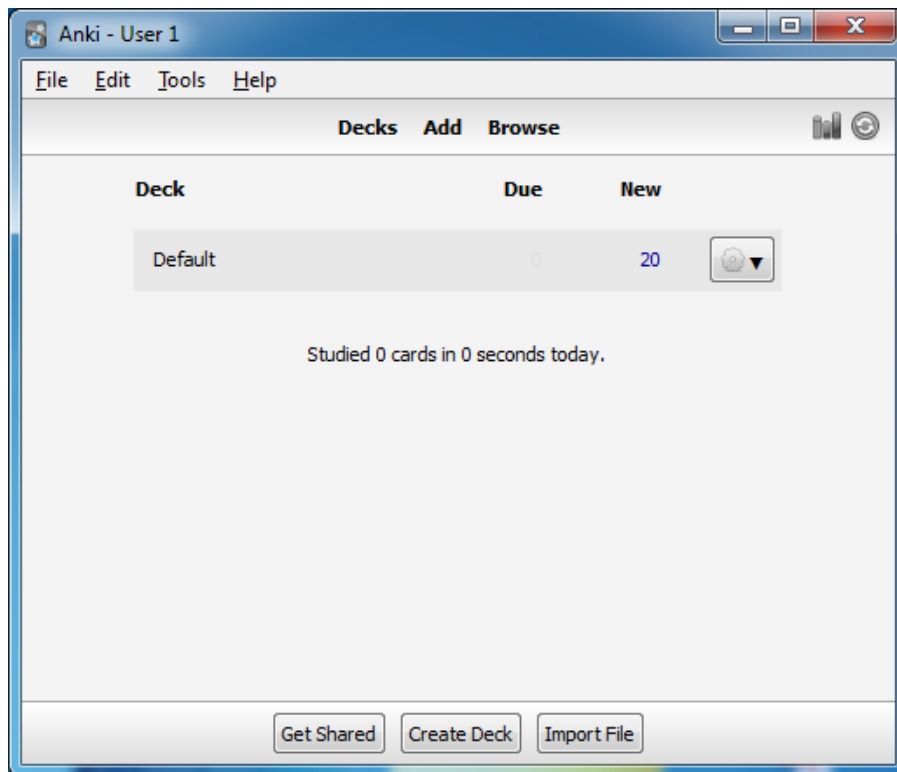
You will receive a confirmation that importing is complete, and 'xx notes added, y notes updated, z notes unchanged'. Again if you are working on the Glossary Practice section of Lesson 1.1.1, you see that '47 notes added,...". This is another checkpoint to verify that the number of terms you copied before from the FWOTT have been imported without losses, as shown in the following screenshot.



Click "Close".

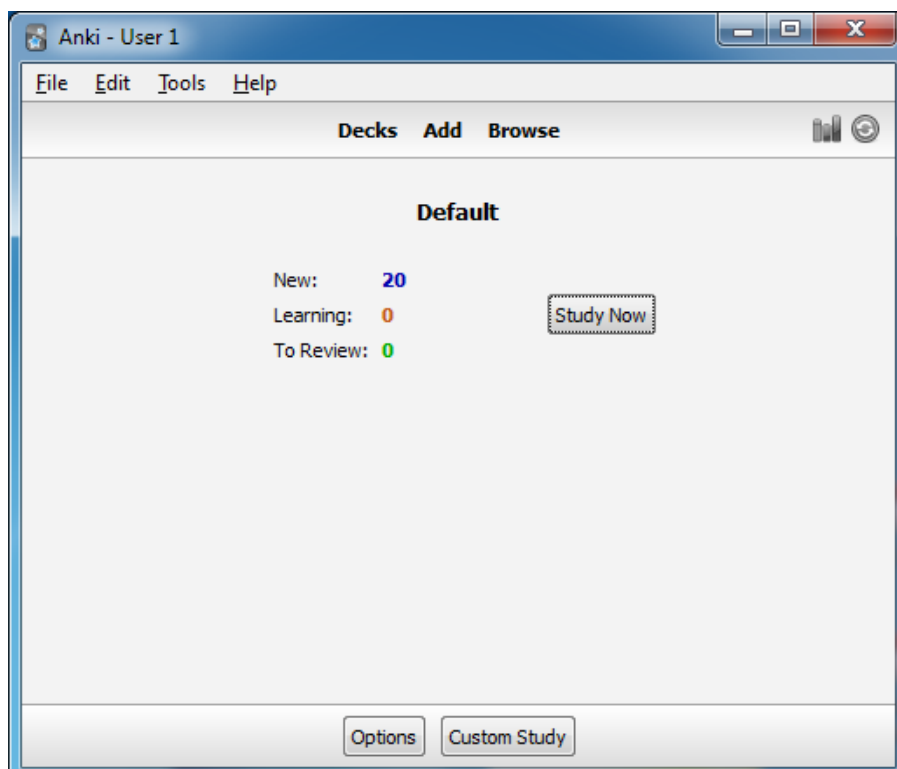
You return to the following control screen





Here is a good point to carry out some checks and adjustments.

Click on the “Default” text below the “Deck” heading. The following screen emerges showing the distribution of cards as New, Learning and To Review.



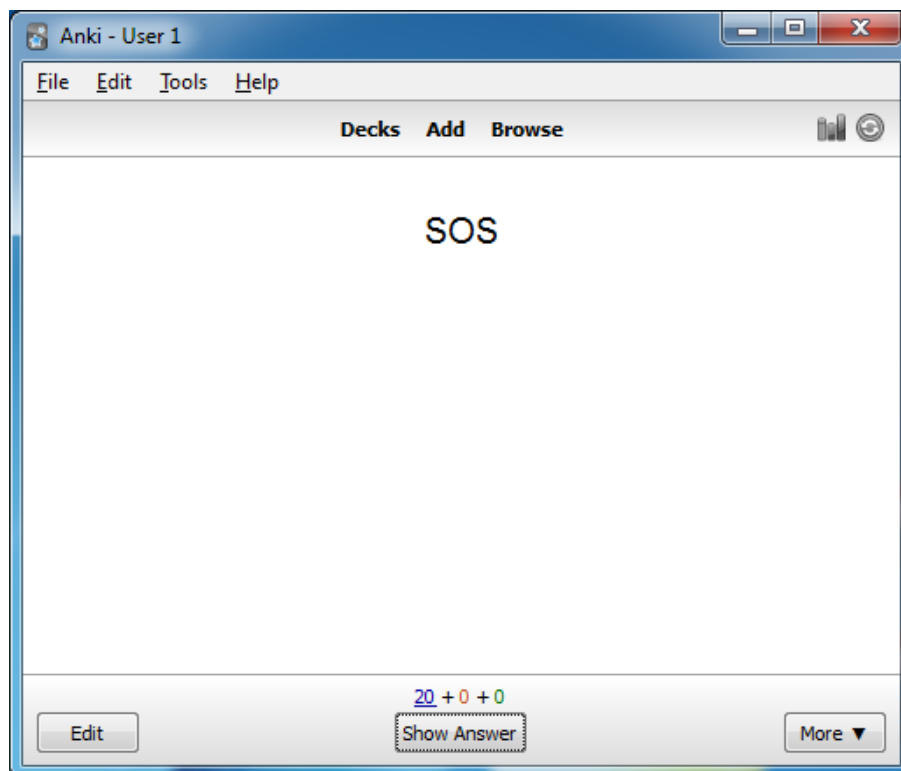
Learning with Anki

If you are satisfied with this setting, click on the “Study Now” button and start your spaced repetition learning of the 20 cards with Anki.

The *Deck Overview* screen opens, showing the first term to review today (SOS). At the bottom of the screen there is the indication “20 + 0 + 0”. This shows that there are

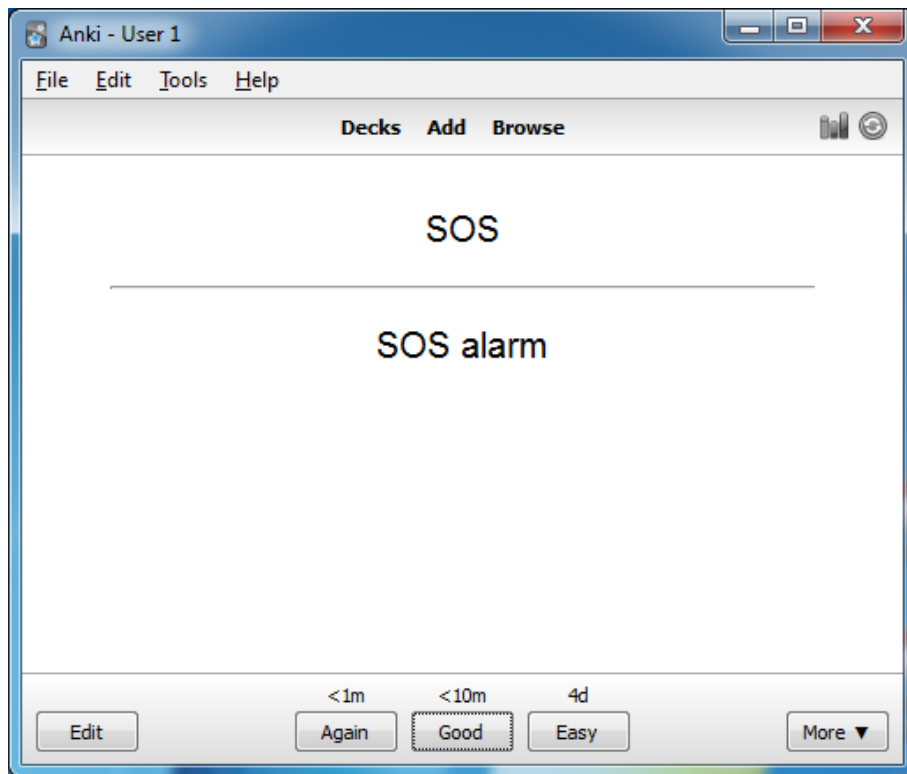
- 20 **New** cards in the deck you have imported which have never been reviewed before,
- 0 **Learning** cards that were seen for the first time recently, and
- 0 **To Review** cards which were previously learned, and now have to be reviewed.

You can return to the Deck Overview screen anytime by pressing the “s” key on your keyboard.



You must try to recall the corresponding term on the back side of the card. In this version, you just have to recall, you do not have to write the answer. If you would like to type in the answer instead of recalling it, see <https://www.youtube.com/watch?v=5tYObQ3ocrw>. Give yourself 5-10 seconds to remember the answer, and click on the "Show Answer" button to reveal the correct answer.





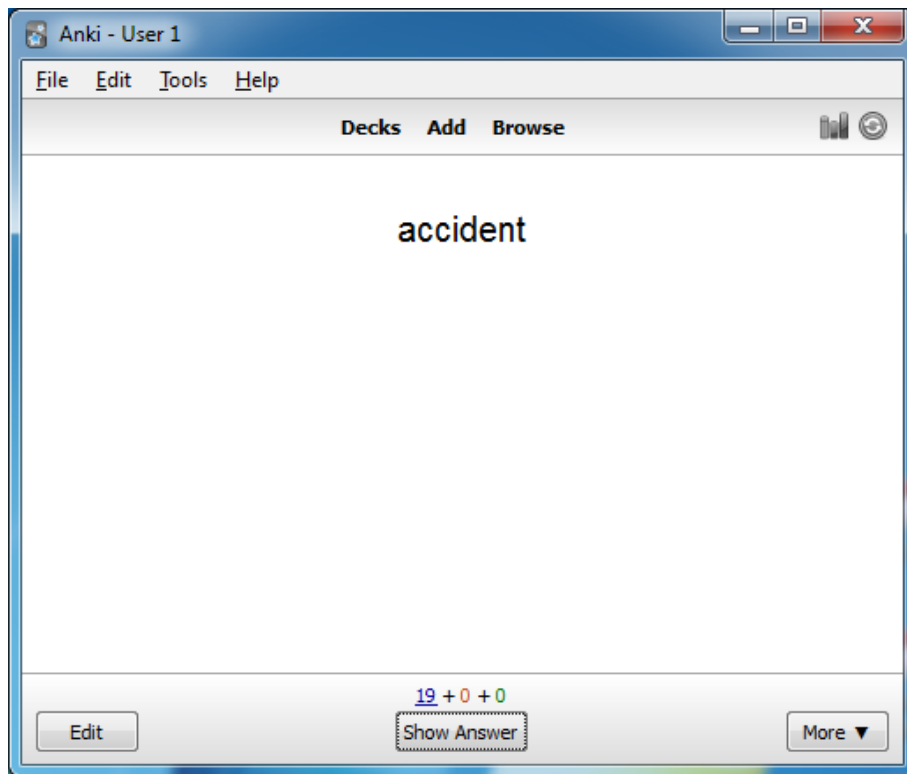
If the answer shown agrees with the answer you thought of, tell Anki how well you remembered. There are three options shown at the bottom of the screen:

- **Again**, meaning that you did not remember the answer at all, and you want it to be repeated soon (within 1 minute)
- **Good**, meaning you remembered the answer, but not very well, and you would like it to be repeated, but not too soon (within the next 10 minutes), and
- **Easy**, meaning you remembered the answer perfectly, and you feel you don't need to repeat it anytime soon (within the next 4 days would be good).

Please note that although you may remember an answer perfectly, the corresponding card is not taken out of the deck but it is repeated at a lower frequency. This is because studies have been found that no matter how perfectly you may remember something, it is good to review it from times to times, just to refresh your memory.

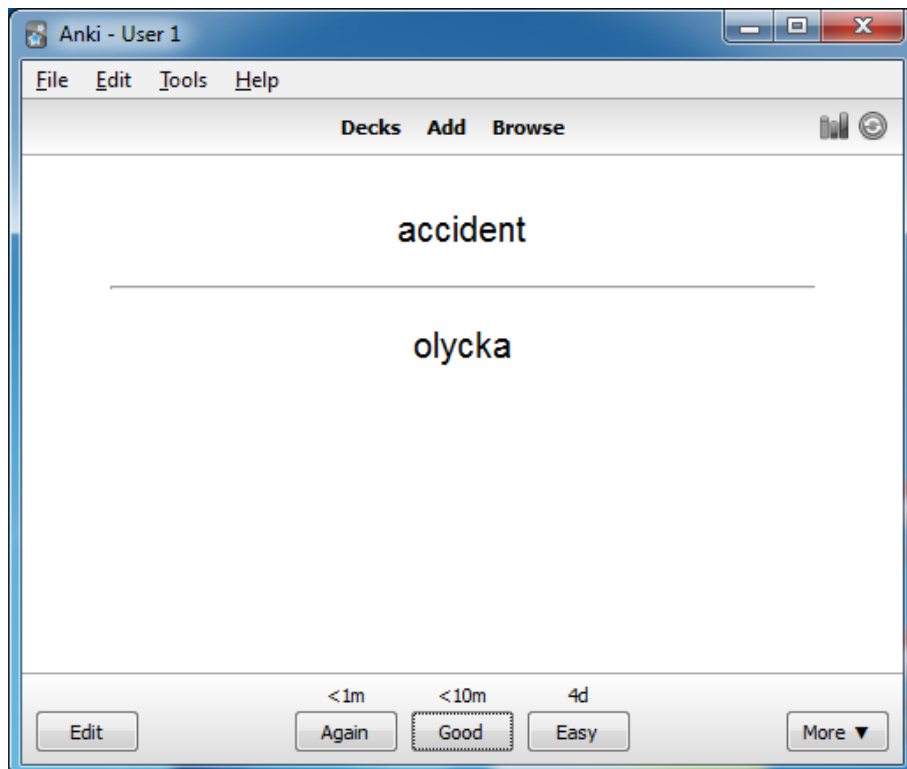
Let's assume that you remembered the answer very well and you click on the "Easy" button. You move on to the following screen, showing a new term



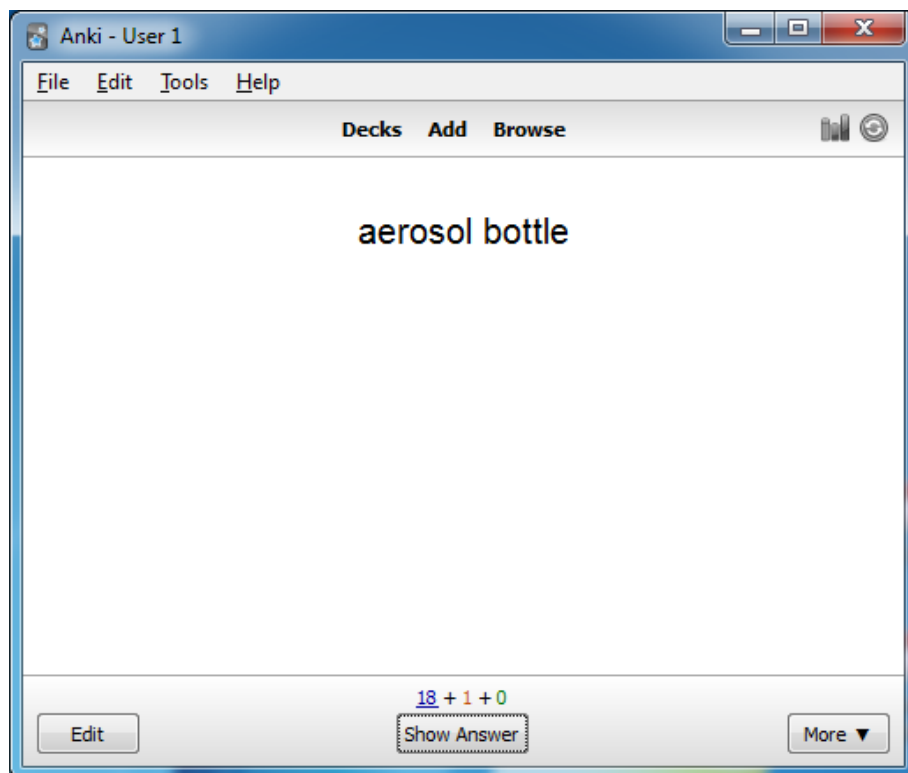


In addition, please note that the number of New term has been reduced by one, meaning that now in the deck there are 19 cards remaining which have never been studied before, 0 cards to be recently seen, and 0 cards to be reviewed.

Again, give yourself 5-10 seconds trying to remember the answer, and once you think you have it, click on "Show Answer" to the correct answer.



For the sake of discussion, let's say that you did not remember this answer very well, so you consider it to be of medium difficulty, and you would like to review it soon but not immediately. Click on the "Good" button, and proceed to the next card.

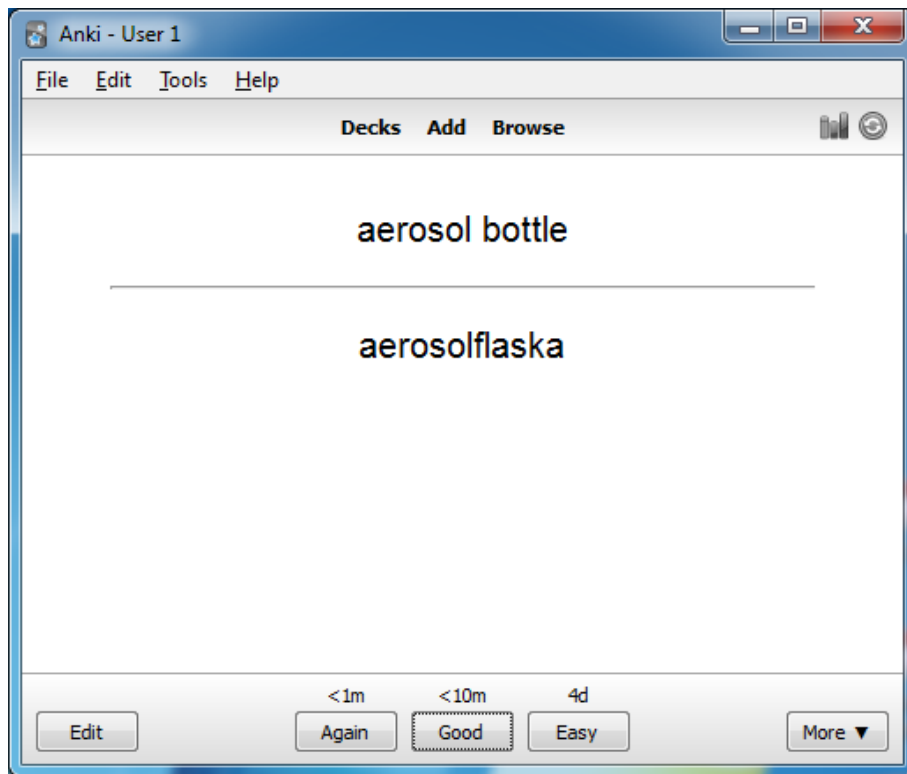


You see now that the numbers at the bottom have changed to 18 + 1 + 0, meaning that there are

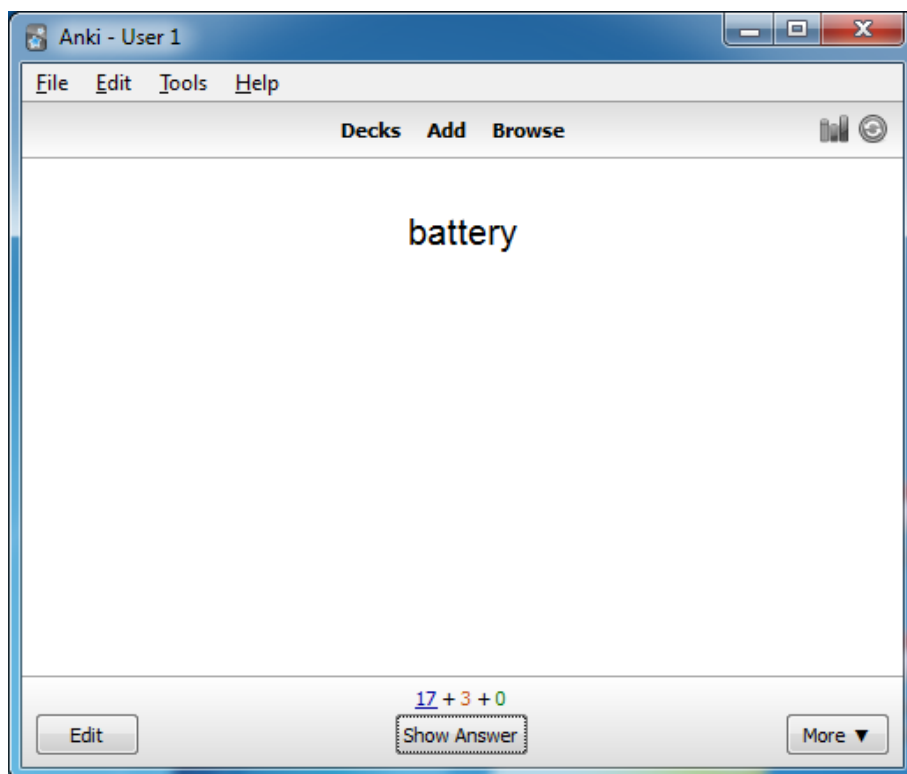
- 18 cards to be studied in the deck,
- 1 card which has been classified as somewhat difficult to be reviewed within the next 10 minutes, and
- 0 cards from this session to be reviewed.

To continue with our example, suppose that you cannot remember the term "aerosol bottle" in your language, so you click the "Show Answer" to see the answer that escaped you.





Click on the “Again” button to tell Anki that you did not remember and you would like to review this term again within 1 minute. The following screen opens showing the next term in the deck and the statistics at the bottom.



The numbers at the bottom are:

- 17 cards remaining to be reviewed in the deck



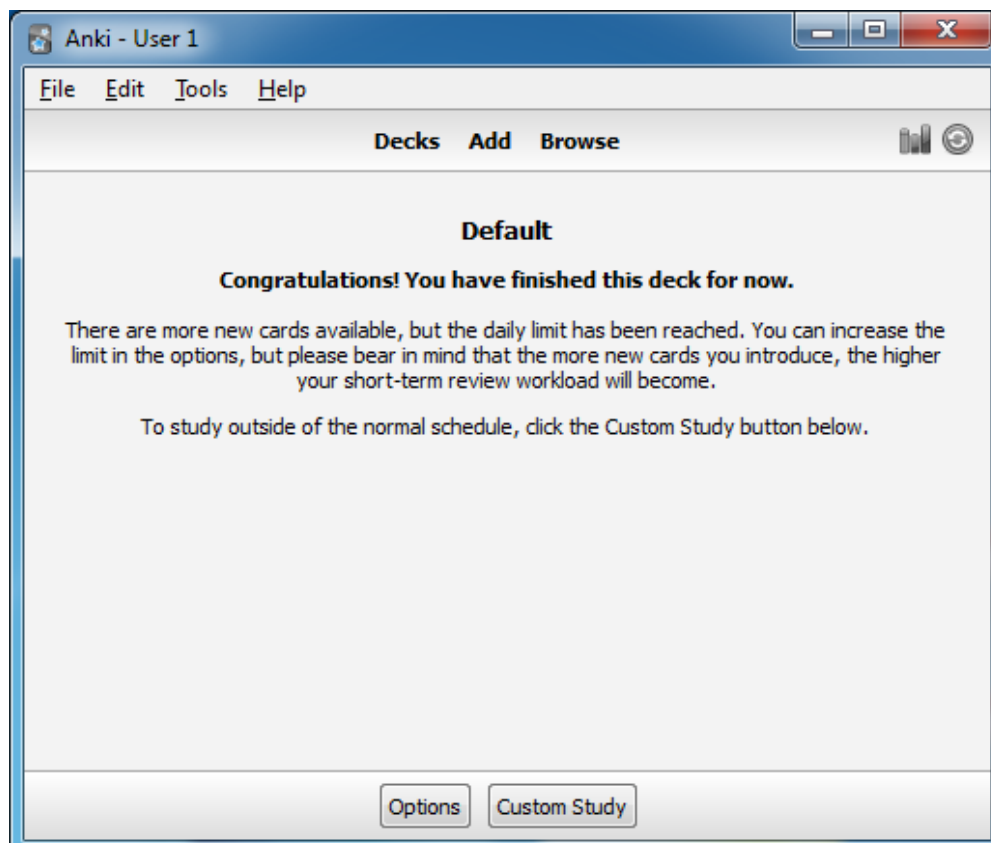
- 3 cards to be reviewed within the next 10 minutes (this includes the total of both the cards to be reviewed in the next 1 and 10 minutes)
- 0 cards from this session to be reviewed.

NOTE: Do not be misled by the sum of $17+3+0 = 20$, that is the number of the cards initially imported in the deck. This is an accidental event, and will vary depending on the amount of unknown answers in the card. Depending on the classification of answers, the total of the tree numbers may become greater than 20, especially in situations where there are many requests for card reviews, i.e. a lot of unknown answers in the deck of cards.

Let's suppose that after a few minutes and reviews in the current session, your memory improves (you are learning fast), and you click on the "Good" button for every new or old term showing on the screen. Anki notices this improvement and a) takes away the "<1 m" repetition option, and b) offers to repeat the process after 1 day, because by clicking on the "Good" button you indicated that you do not need immediate repetition.

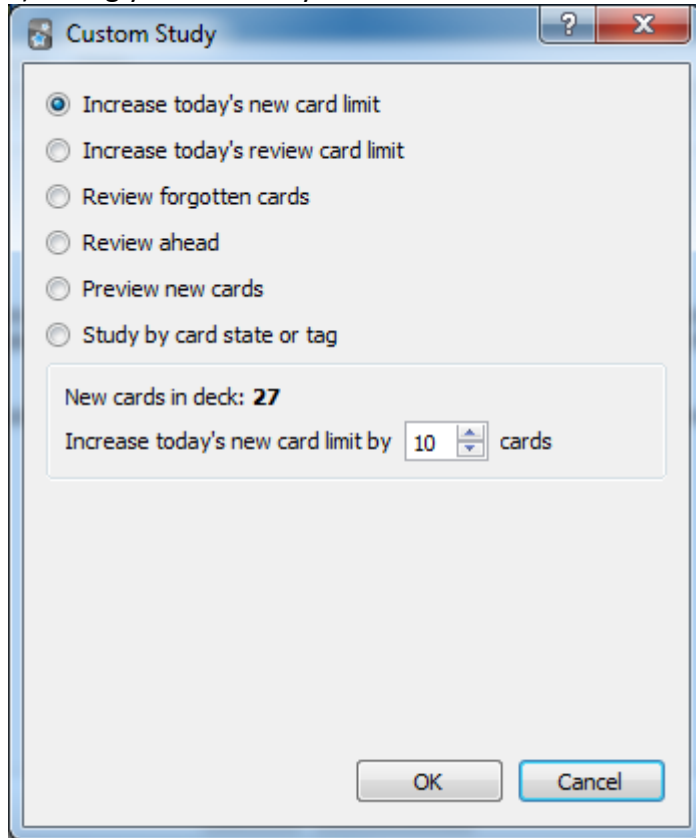
The study cycle ends after several repetitions and correct answers, when you have classified each card in the deck as "Easy" or "Good". In effect, you have removed each card from the current session and placed it into a future session, in the next 4 days or so.

The control screen opens congratulating you for completing the exercise and offering you the choice of how to proceed next.



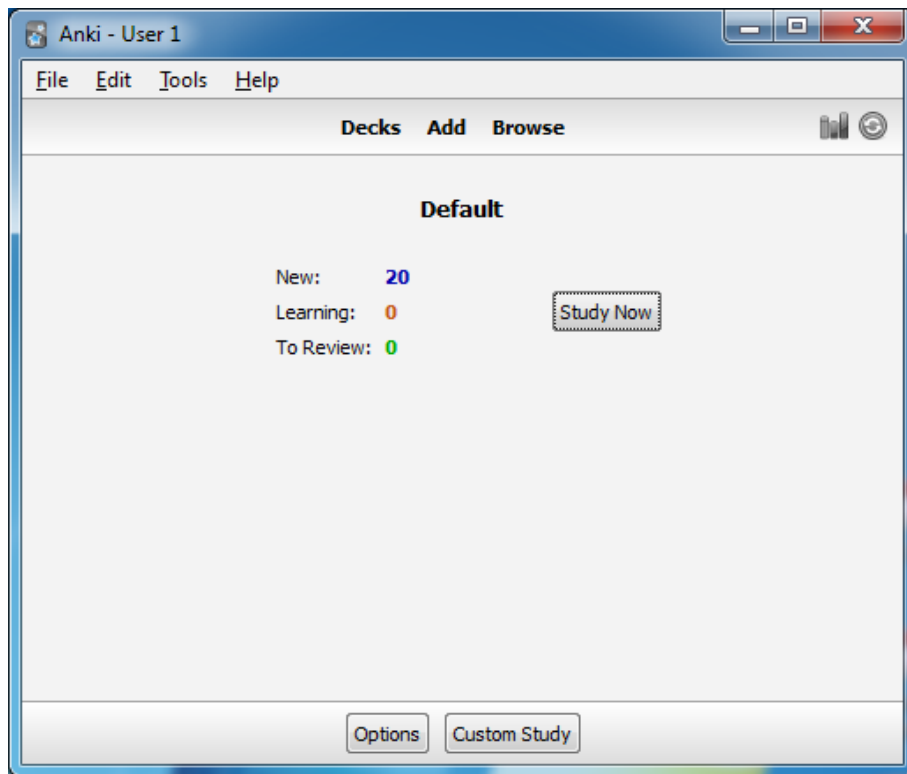
If you click on the “Custom Study” button, the Custom Study screen opens showing that

- a) you have reached the current limit of today’s cards,
- b) there are 27 more new cards (=never studied before) in the deck, and
- c) asking you whether you would like to Increase today's new card limit by... cards.

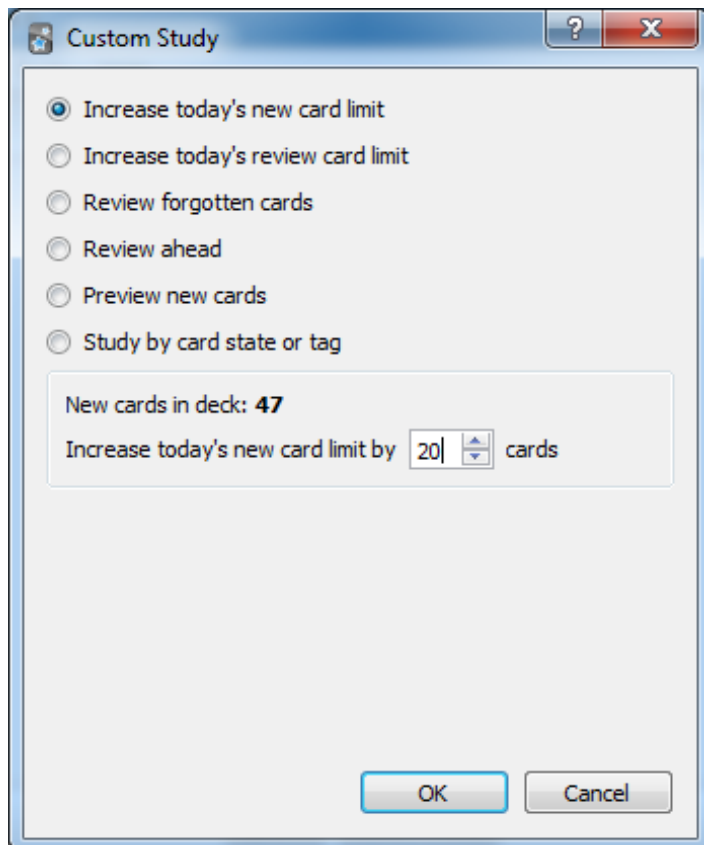


Alternatively, from the control screen, click on the “Options” button or “Custom Study” button at the bottom to make adjustments in the default Anki settings.

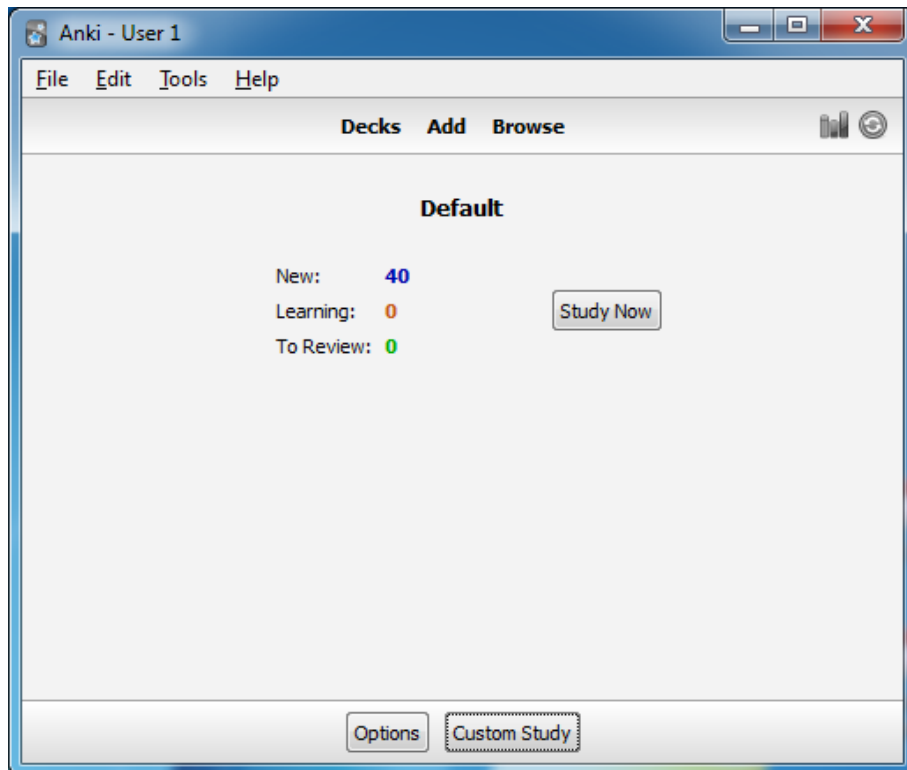




If you click on “Custom Study”, the following screen “Custom Study” opens, to allow you to customize the way to review the cards.



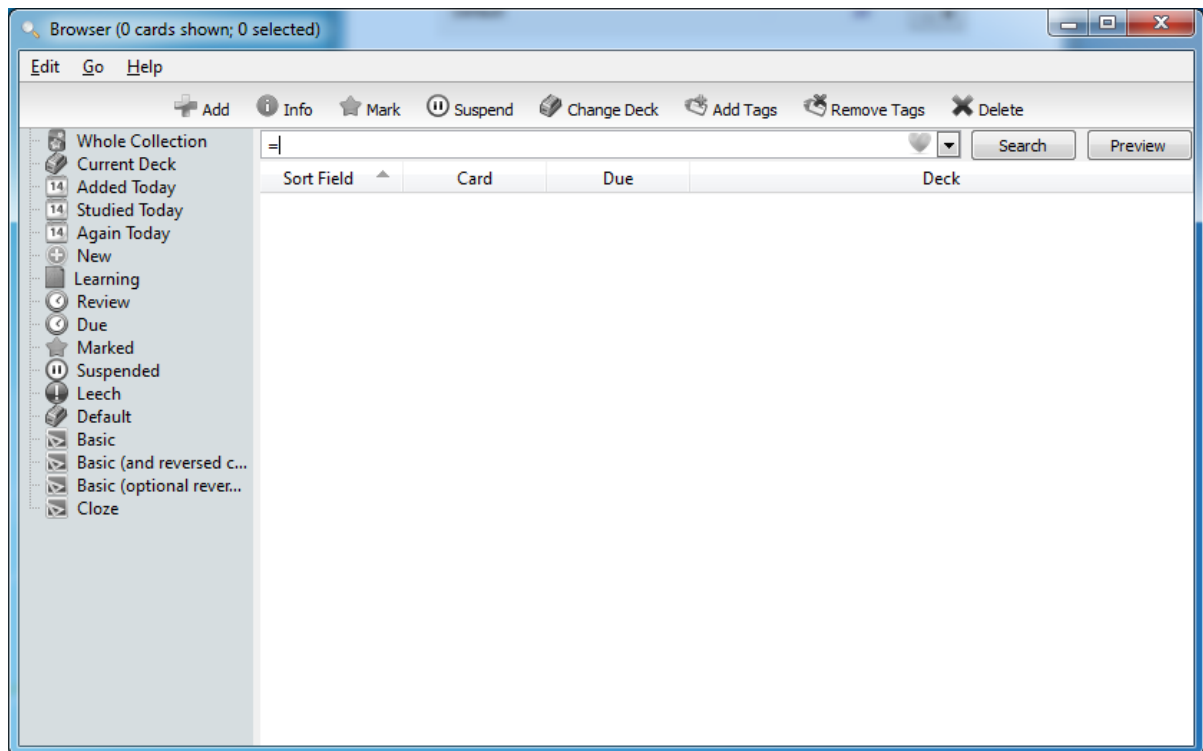
Click on the “Increase today’s new card limit by” option at the bottom, then increase the setting to 20, and click “OK” at the bottom of the screen. In this way, you entered your preference for adding 20 new cards to study per day. You will return to the control screen, but now the New cards will have increased to 40, as can be seen in the following screen.



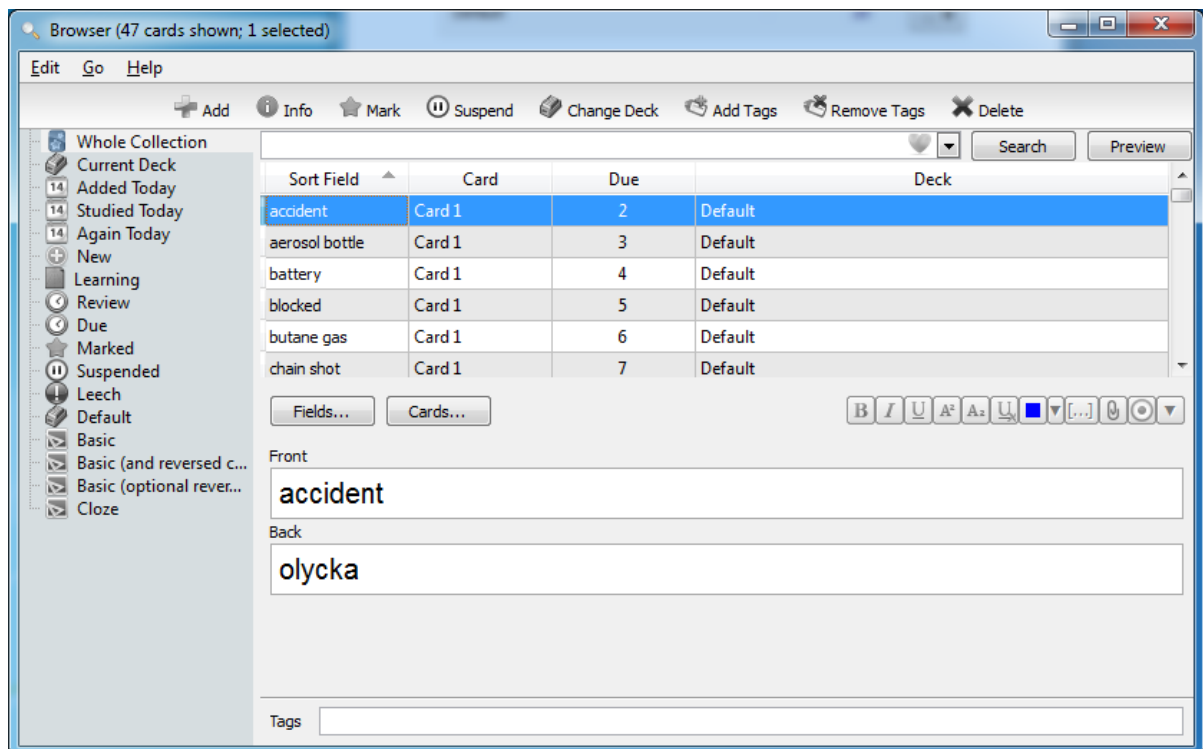
To exit from this screen, click on "Decks" to the left of the "Add" link.

Click on the “Browse” tab. The following “Browser” screen opens, which has nothing to do with Firefox, Internet Explorer, or other commercial browser programs, but it is Anki’s internal navigation utility. Here you can also carry out some deck maintenance procedures, such as checking and editing individual cards, changing front side and back side of cards, adding and deleting cards, changing decks, fields, marking cards, etc.





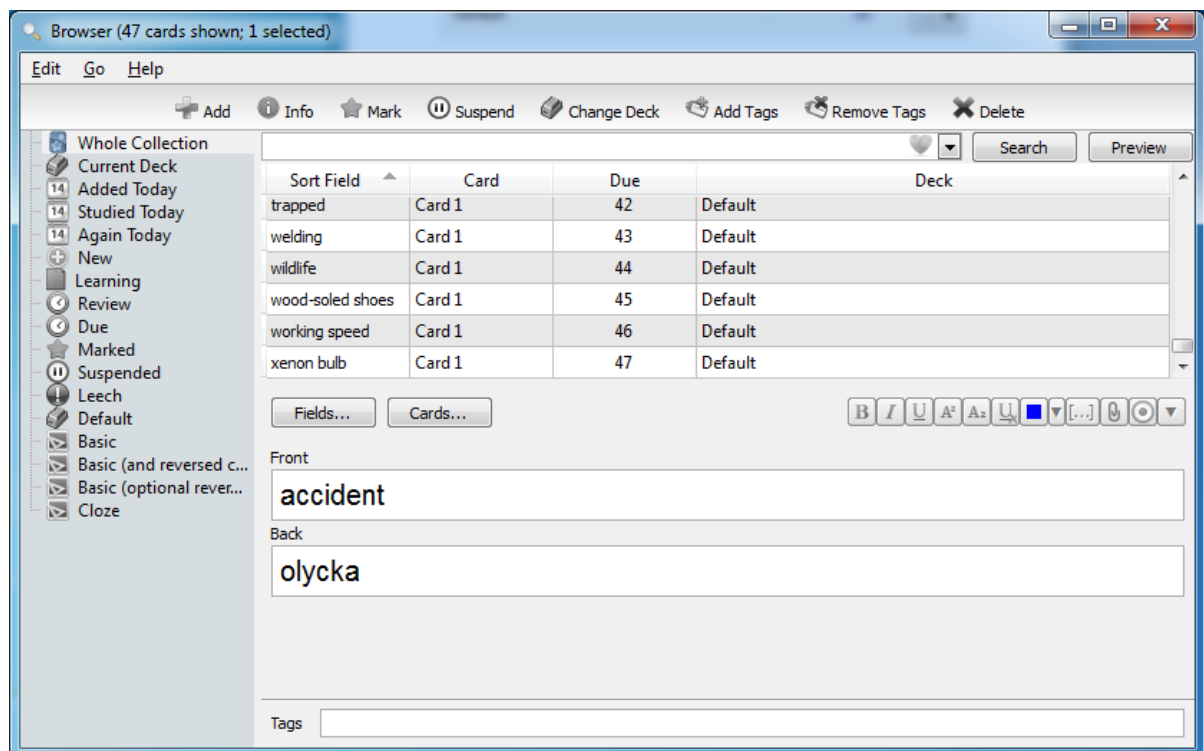
Click on "Whole Collection" on the left pane, and the following information screen appears:



If you click on a term, you will see both the Front and Back sides of the card at the bottom part.

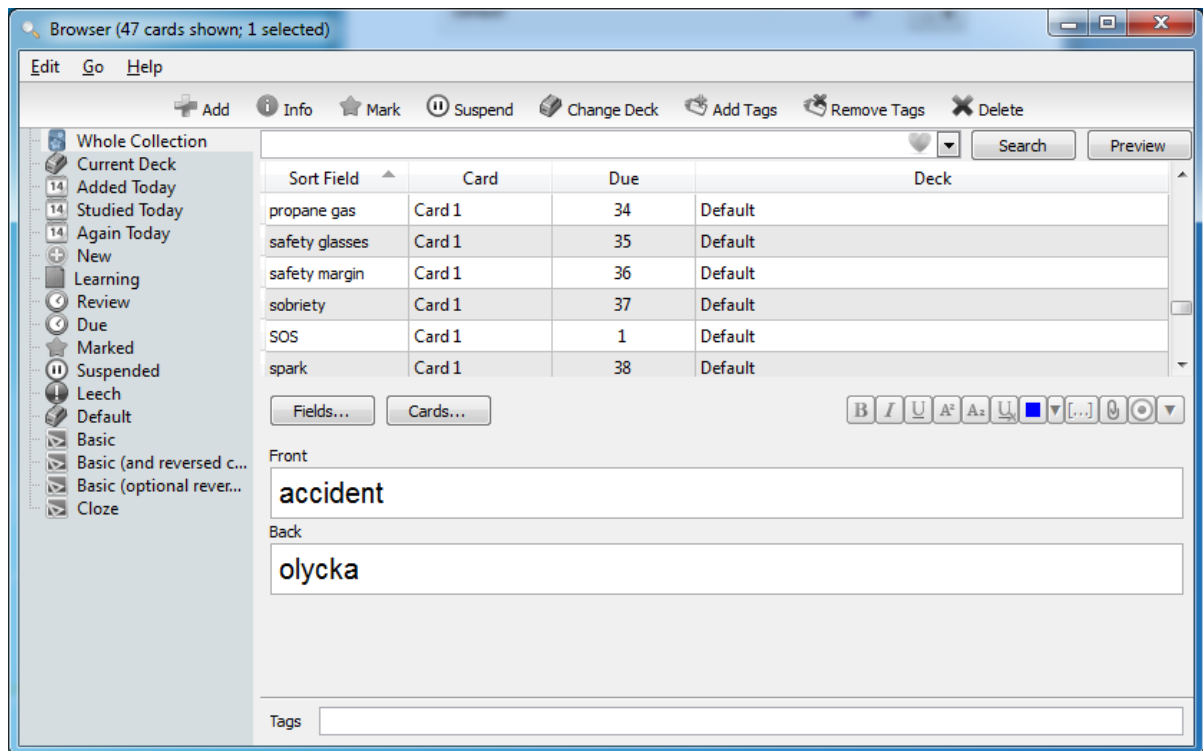


Furthermore, the screen shows that the first term in the deck is the word “accident”, and if you scroll all the way to the bottom of the list, the last term at position 47 (in the column labeled “Due”) is the term “xenon bulb”.



The numbering seems to be in error, because the list starts with the term "accident" in position # 2 and ends with the term “xenon bulb” in position # 47; therefore, the term “SOS” (check your imported .txt file) seems to be missing from the imported list. This is not true, and you can find the allegedly missing term if you scroll up (or down) the list.



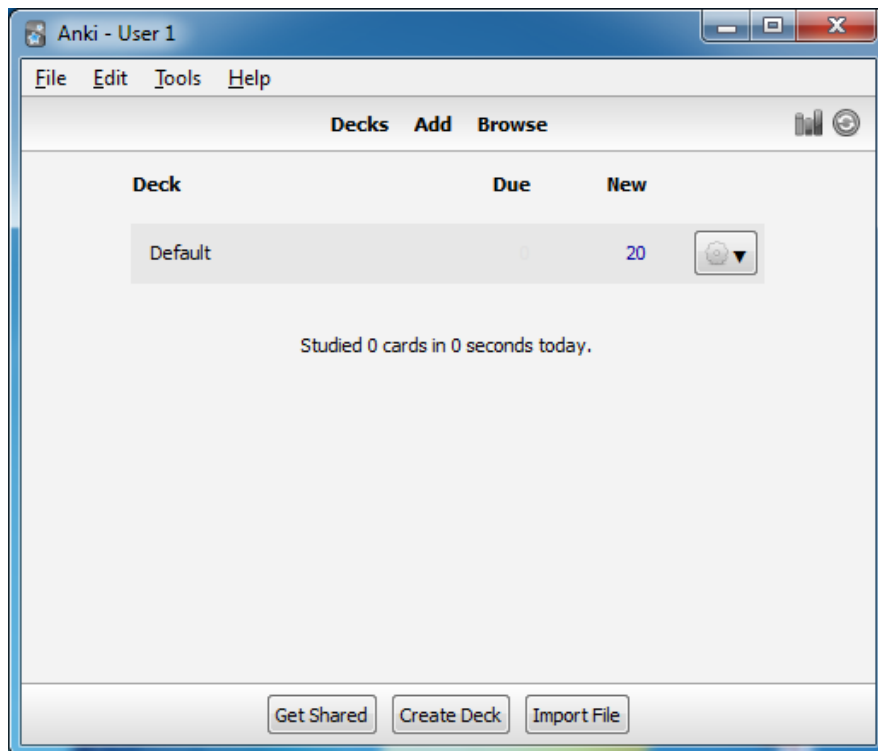


The confusion stems from the fact that during import, the imported list is sorted alphabetically by the first (English) term. Other than that, no information is lost or added.

To jump quickly to the top (or bottom) of the list, click on “Go” at the toolbar, and then click at the “First Card” (or “Last Card”), respectively.

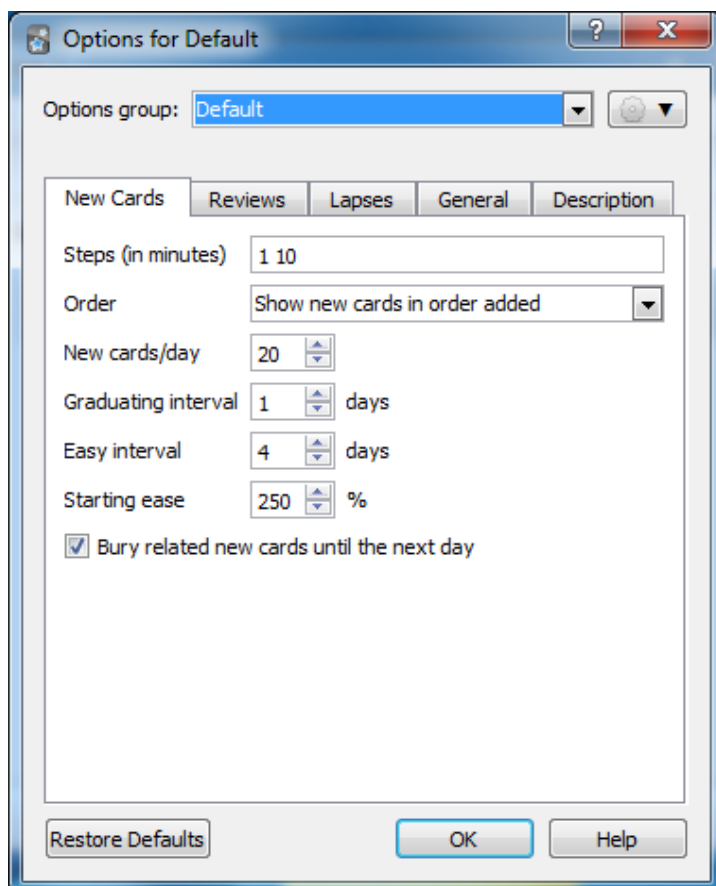
Click on the red “X” button on the upper right corner to close the Browser window and return to the control screen.





Click on the black down arrow; from the drop down menu, select "Options".

The following Options for Default screen appears from where you can adjust the properties and behavior of the Anki software.



For example, in the “New Cards” tab, you can select the number of Steps (learning repetitions) and the delay between them (in minutes), in what Order shall Anki add cards to the deck, how many New cards you would like added every day you run the program, etc.

For a thorough description of all adjustments, press the F1 key on your keyboard, or click on the “Help” button at the lower right corner of the screen.

WORD GAMES

Quizlet

Quizlet is a website providing free access to powerful and inspiring learning tools. The site was created in 2005 when its 15-year old founder Andrew Sutherland created the site to help him study for his French class. As of April 2016, the site has 100 million study sets created by Quizlet users.

Study sets (sample flashcards) for studying the Tools for Skills material have been placed at the Quizlet website (https://quizlet.com/photeinos_santas).

Access to the site is free, so students are encouraged to create their own study sets, and download the free iOS or Android apps from the Quizlet website (<https://quizlet.com/mobile>), so they can use their smartphone to study anywhere.

Students wanting to upload images and voice recording can upgrade to the premium edition for \$14.99/year. Teachers wanting to follow class performance, student progress, and to create unlimited classes can upgrade to the Classroom superpowers for \$24.99/year (<https://quizlet.com/teachers>).



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Educational Resources

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