LMS Online Quiz

Guide

LMS offers various modules (“activities”) with different functionalities for online teaching and learning. One of these modules is called the “quiz module”. In the quiz module, you can write questions, provide answers and give feedback on the Student’s performance.
LMS Online Quiz

The Quiz activity module allows instructors/group leaders to design and set quizzes consisting of a large variety of Question types, among them multiple choices, true-false, and short answer questions. These questions are kept in the site Question bank and can be re-used within sites and between sites. Quizzes can allow multiple attempts. Each attempt is automatically marked, and the teacher can choose whether to give feedback and/or show the correct answers.

Quizzes are useful to keeping students up to date with readings and lecture material. They can be used for assessment or practice. However, if they are to be used for assessment marks, you might want to consider some of the following:

- Creating random questions where 1 or 2 questions are chosen from each category of 3 or more questions. A number of categories would be used.
- Randomizing the question order
- Randomizing the multiple choice options order.
- Setting a short time allowed to do the quiz
- Setting a short period of time that the quiz is available
- If allowing more than one attempt, consider time between attempts
  Allow only 1 question per screen
- Open in a secure window (safe Exam Browser can be used)
ADD A QUIZ

1. Within the appropriate week/topic, select **quiz** from the activities drop-down box.

![Adding a Quiz](image-url)
**Open the quiz / Close the quiz**
Put in the open/close dates/times if appropriate. Enable time limit if this is a marked quiz, and then select how long students will have to complete this.

**Time limit**
This is really important in most quizzes.

**Attempts allowed**
Choose Attempts allowed (usually 1 for a marked quiz) and grading method if you have more than one attempt. In the past, if a student managed to cheat and spent more than 60 seconds over the allotted time then the quiz is automatically graded zero.

Students may be allowed to have multiple attempts at a quiz, and particular students may be given unlimited time to attempt a quiz which has a set time.

**Grading method**
This is important only if more than one attempt is allowed.

**Grade category**
This is important if you have a number of quizzes and want a quiz category mark or you want some not counted.

In the following screen dump, **Show Advanced** is turned on (all options are showing).
**Layout**

**Question order**
The order of questions in the quiz will be shown in the order of the edit screen unless you choose otherwise. shuffled randomly means that the question will be shuffled each time a student starts a new attempt at the quiz. This is not related to the use of Random Questions, this is only about the displayed order of questions. The intention is to make it a little harder for students to copy from each other.

**New page**
A new page is useful to prevent easy sharing of the whole quiz.

**Question Behavior**

**Shuffle within questions**
If yes for Shuffle within, then the order of answers within each question will be randomly shuffled each time a student attempts this quiz. Of course, this only applies to questions that have multiple answers displayed, such as Multiple Choice or Matching Questions. The intention is simply to make it a little harder for students to copy from each other.

**How questions behave**
Students can interact with the questions in the quiz in various different ways. For example, you may wish the students to enter an answer to each question and then submit the entire quiz, before anything is graded or they get any feedback. That would be 'Deferred feedback' mode. Alternatively, you may wish for students to submit each question as they go along to get immediate feedback, and if they do not get it right immediately, have another try for fewer marks. That would be 'Interactive with multiple tries' mode.

Adaptive questions allow students to have multiple attempts at the question before moving on to the next question. The adaptive question can adapt itself to the student's answer, for example by giving some hints before asking the student to try again.

**Each attempt builds on the last**
If multiple attempts are allowed and this setting is set to Yes, then each new attempt contains the results of the previous attempt. If this option is chosen then each attempt by a particular
student uses the same questions in the same order, independent of randomization settings. To show a fresh quiz on every attempt, select No for this setting.

Review Options

<table>
<thead>
<tr>
<th>During the attempt</th>
<th>Immediately after the attempt</th>
</tr>
</thead>
<tbody>
<tr>
<td>The attempt</td>
<td>The attempt</td>
</tr>
<tr>
<td>Whether correct</td>
<td>Whether correct</td>
</tr>
<tr>
<td>Marks</td>
<td>Marks</td>
</tr>
<tr>
<td>Specific feedback</td>
<td>Specific feedback</td>
</tr>
<tr>
<td>General feedback</td>
<td>General feedback</td>
</tr>
<tr>
<td>Right answer</td>
<td>Right answer</td>
</tr>
<tr>
<td>Overall feedback</td>
<td>Overall feedback</td>
</tr>
</tbody>
</table>

Later, while the quiz is still open

<table>
<thead>
<tr>
<th>Display</th>
</tr>
</thead>
</table>

Tip: Be careful what is made available and when. Students are great collaborators. Also consider if you will re-use this quiz in the future or will you design new ones?

Display

<table>
<thead>
<tr>
<th>Show the user's picture</th>
<th>Yes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Decimal places in grades</td>
<td>2</td>
</tr>
<tr>
<td>Decimal places in question grades</td>
<td>Same as for overall grades</td>
</tr>
<tr>
<td>Show blocks during quiz attempts</td>
<td>No</td>
</tr>
</tbody>
</table>
This is fairly intuitive, but show blocks during quiz attempts is set to No, students may be slowed down in finding information containing answers. If set to Yes then normal blocks will be shown during quiz attempts.

RESTRICTIONS ON ATTEMPTS

This is fairly intuitive. A password is a way to change end time for students doing the quiz later than most people. Extend the time and add a password. Then send students needing to take the quiz a password allowing entry to this activity. During this time other students won’t get to the quiz so won’t be able to see their own feedback until the password is removed.

OVERALL FEEDBACK

An instructor is able to add overall feedback based on % of the quiz the student got correct. Add percentages (you will need the % symbol) and feedback comments as desired.
As in other activities you are able to make this available only to a certain grouping or make it separate groups so tutors (and others) are able to view the results of their individual group (tutorial or other).

ACCESS RESTRICTIONS

Access open and close times can be enabled.

A new feature is activity completion condition. This setting determines any activity completion conditions which must be met in order to access the activity. Note that completion tracking must first be set before an activity completion condition can be set. Multiple activity completion conditions may be set if desired. If so, access to the activity will only be permitted when ALL activity completion conditions are met.

ACTIVITY COMPLETION

Another new feature is activity completion tracking. If enabled, activity completion is tracked, either manually or automatically, based on certain conditions. Multiple conditions may be set if desired. If so, the activity will only be considered complete when ALL conditions are met. A tick next to the activity name on the course page indicates when the activity is complete.
GRADES

Apply penalties

If a quiz is run in adaptive mode then a student is allowed to try again after a wrong response. In this case you may want to impose a penalty for each wrong response to be subtracted from the final mark for the question. The amount of penalty is chosen individually for each question when setting up or editing the question.

ADD A CATEGORY (NEEDED FOR RANDOM QUESTIONS)

Every questions created or imported will belong to a category, but questions in all categories are available to each quiz. Placing questions in a specific category make it easier to find questions, and makes it possible to have randomly chosen questions (question sets) from a particular category. More levels of categories will make it easier to manage quizzes. You might want to spend some time deciding the best category setup for your area of study. For example as shown below, you might want question categories similar to #1 if you are going to use random questions. However if you want to pick some questions about specific oceans and also some on currents, you might want your structure similar to #2.

1. Weather
   a. Multiple choice weather questions
   b. True/False weather questions

2. Oceans
   a. Specific oceans
   b. Currents
TO CREATE CATEGORIES:

1. Click the Title of the quiz you’ve just added
2. Go to the Settings block on the left.
3. Click the Question bank link to open up the subtopics
4. Now click Categories
5. Choose the parent category and name the new category
6. If desired add Category info and click Add category button.

ADD QUESTIONS TO QUIZ OR CATEGORY

Questions can be added to a category by going to the quiz: Settings block: Questions.

This brings up the screen below. Make sure the correct category is selected, and then choose the type of question.
Instructors may select a variety of different types of questions in the Quiz and Lesson modules. Below is a list of standard question types available in LMS.

**QUESTION TYPES**

When you add a question to the quiz, you will have a choice of question types. You will see more about the question type when you select its radio button as shown below with Calculated. Most of the question types are explained below.

**Calculated**

Calculated questions are like numerical questions but with the numbers used selected randomly from a set when the quiz is taken.

**Embedded Answers (Cloze Test / Gap Fill)**

These very flexible questions consist of a passage of text (in Moodle format) that has various answers embedded within it, including multiple choice, short answers and numerical answers. This format requires input into a preformatted group of words (code). It is not for the beginner or for people who want to create quizzes quickly. Importing from Hot Potatoes may be easier.
Essay (Paragraph)

In response to a question (that may include an image) the respondent writes an answer in paragraph format, which must be manually marked by staff.

Matching

A list of sub-questions is provided, along with a list of possible answers. The respondent must "match" the correct answers with each question.

Multiple Choices

In response to a question (that may include an image) the respondent chooses from multiple possible answers. There are two types of multiple choice questions - single answer and multiple answers.

Numerical

From the student perspective, a numerical question looks just like a short-answer question. This type

Random Short Answer Matching

Short Answer

In response to a question (that may include an image), the respondent types a word or a few words. There may be several possible correct answers with different grades. Answers may or may not be sensitive to case.

True/False

In response to a question (that may include an image), the respondent selects from two options: True or False.

CREATING A NEW QUESTION

CREATING QUESTIONS

1. Click the Questions tab to access the Question Bank page, if not there already.

2. From the Category drop-down menu, select a category you want to add a question to.

3. The page will change to show the questions already in that category

4. Select the question type you want to create from the Create new question drop-down menu.

5. Fill in the form for the question type you are creating. Each question type has its own form and has its own options.
6. Click Save Changes at the bottom of the form

**ADDING QUESTIONS TO A QUIZ**
You first must create the quiz, and then click the quiz title to enter it. You will see the following screen. Click **Edit quiz** to continue and add questions.

Once you’ve created your questions, you’ll need to add them to the quiz. There are many types in the Question bank that you can use. Alternatively, you may choose to import questions.

1. First use the ‘Category’ menu to select the category containing the questions you want to add.
2. The chevrons (<< icons) to the left of the questions are used to add individual questions to the quiz. You can also select several questions using the checkboxes on the left of the question list and then click the “Add to quiz” button at the bottom of the list to add them all at once. If you want to add all the displayed questions then use the box in the coloured line to select all.
3. Click the Add to quiz button.

Once you’ve added a question to the quiz, the questions appear on the left side of the screen in the quiz question list. The question is still selectable on the right, but you can only add it to the quiz once. If you select the question in the category list again and add it to the quiz, nothing will happen.

Once you’ve added the questions to the quiz, you can change the order of the questions by clicking the arrow buttons on the left side of the list of quiz questions.

RANDOM QUESTIONS

Random questions can be used where a set number of questions from a category will randomly occur in each offering of the quiz. In other words students will/may get different questions in the same quiz.
To add random questions,

1. Select the category containing the equally valued questions and choose

2. Add X (where X is a number of questions) random questions and

3. Click the Add to quiz button.

**Random Questions (Question sets): more information**

In order to use random questions well, you will need to have created a category for the questions that will be used in the random selection. Each random question set must be included in a category and you can choose how many questions will be randomly added from that category to the quiz.

A random question will be replaced, when the student attempts the quiz, with a randomly-chosen question from the currently selected category. A different random question will be selected for each attempt.

This means that different students are likely to get a different selection of questions when they attempt this quiz. When a quiz allows multiple attempts for each student then each attempt will also contain a new selection of questions.

The same question will never appear twice in a quiz. If you include several random questions then different questions will always be chosen for each of them. If you mix random questions with non-random questions then the random questions will be chosen so that they do not duplicate one of the non-random questions.
The grade for the randomly chosen question will be rescaled so that the maximum grade is what you have chosen as the grade for the random question.

To add random questions, follow the previous directions.

**REMOVING QUESTIONS**

Questions can be removed from the question bank or the quiz

To remove questions from the quiz go to the editing quiz tab and

1. Select the question to remove
2. And then click Remove selected.

**MARK QUIZZES**

Most questions are automatically marked; essay questions, however must be manually marked.

**Manually marking essay questions:**

1. Go to the Quiz activity
2. Click the Attempts link, which brings up the following screen.
3. Click the Requires grading link. This will allow you to see the student’s answer, add comments and give a mark out of the allocation.

4. This mark will be added to the rest of the quiz marks and the total quiz mark will be added to the grade book.

You can also change marked quizzes if needed by following these procedures.

- Go to the quiz that students have done.
- Click the attempts link
- Select the grade number (e.g. 8 of the 10 possible marks) of the student whose grade you want to change
Click Make comment or override grade of the question you want to change
Make a comment if you wish, change the mark (grade)
Click Save.

WORK WITH QUIZ RESULTS

By following: Navigation > Course > Quiz name > Results, you will open a submenu that offers reports on:

You can also get to the quiz reports where you see a summary of the number of attempts that have been made like "Attempts: 123". That link also goes to the reports. If your quizzes have used groups, you can see the reports on each group or the total group.
GRADES REPORT

Grades Report shows all the students’ quiz attempts, with the overall grade, and the grade for each question. There are links to review all the details of a student's attempt, just as the student would see it.
• The results can be downloaded in a variety of formats.
• There is a setting form at the top of the page that can be used to control what is displayed.
• At the bottom of the page is a graph showing the distribution of scores.
• There are check boxes to allow you to individually re-grade or delete the selected attempts.

By clicking on the score link, you can look at an individual student exam.

RESPONSES REPORT

This is very similar to the Grades report, except that it shows the responses the students gave, rather than the marks they earned.

It is also possible to show the question text or the right answer, to compare with the student’s response. This is helpful when the question is randomized.

STATISTICS REPORT

This report gives a statistical (psychometric) analysis of the quiz, and the questions within it. The front page of this report gives a summary of the whole test. There are links to drill down into a detailed analysis of a particular question.

The full report (overview, and detailed analysis of all questions) can be downloaded in a variety of formats, as can the quiz structure analysis table.

Please refer to Quiz Statistics Report for more detailed information about the different types of statistics that can be gathered via this link, http://docs.moodle.org/20/en/Quiz_statistics_report

MANUAL GRADING REPORT

The Quiz manual grading report makes it easy to manually grade questions in the quiz.

The first screen of the report lists all the questions in the quiz that need to be, or have been, manually graded (for example essay questions) with the number of attempts. There is an option to also show the questions that have been automatically graded which if useful if you ever need to edit the grades by hand.

DELETING STUDENT ATTEMPT(S)

If you wish to delete a student’s attempt (reset it), select the student by clicking the checkbox and then choose the Delete selected attempts button.
(Note: to add more questions to the quiz, you will first need to delete all previous attempts of the quiz.)

DOWNLOAD STUDENT RESULTS

On the Results: Grades screen, choose the type of data you wish to download.

REGRADE LINK
The regrade link (Quiz: Particular Quiz: Results: Regrade link) re-calculates the changes to quiz points or question points. This means you can change the answer to included additional answers, etc., and use the Regrade link to update the scores.

PREVIEW A QUIZ
Preview Quizzes allows you to do the complete quiz and have it marked. It does not record the result, so it is a good way to see if the quiz is performing as expected. If you want to do the quiz as LMS 2 Quizzes
a student and have mark recorded, then add yourself as a manually added student and change role to manually added student. Then do the quiz and results will be displayed to you as they will be to your student.

**ADDING IMAGES TO QUESTIONS**

You can add an image to a question or option.

1. Click the insert images icon
2. Click **Find or upload an image...**
3. Upload an image
4. When found click it, put in description and then click **Insert.**
5. Finish your question and then **save.**

**IMPORT QUIZ FROM ANOTHER MOODLE SITE**

You can import a quiz easily from another Moodle site by following these directions.
1. In your site click on Settings

2. Scroll to and select Import

3. Find the site you wish to import from and click Use This Site

4. Select only Activities and click next

5. In the next window deselect each section other than the section which has your quiz. Select just your quiz, deselecting everything else in that section.

6. In the next window you are able to review your selection and if ok click next to import your quiz.

7. Now you can use the quiz as it is or revise it.
IMPORT QUIZ QUESTIONS

Before you can import questions that you created in Word or collated in Word, you must clean up the file.

FORMAT TO USE TO IMPORT MULTIPLE CHOICE QUESTIONS

Example of questions created in notepad or Word.

NOTE: There can be no curly apostrophes only straight ones ('). If there are, you will need to clean up the file using the next section of directions.

When is the Moodleposium?

A. June
B. July
C. September
D. October

Answer: D

What is the staff collaborative area in building 1 called?

A. Collaboratorium
B. Teaching Commons
C. Staff Resource Centre
D. Learning Hub

Answer: B

GENERAL DIRECTIONS FOR IMPORTING THE .TXT OR .XML FILE

You can import a quiz easily from another Moodle site by following these directions.

1. Go to the newly created quiz in your site (it may be just a quiz shell with little more than a name).

2. Click on the name and on the left hand side the settings will change and be appropriate to quizzes.

3. Navigate to and click on Question bank to find the link to Import
4. You will have a file to import on your computer, possibly saved to your desktop making it easy to find. This file may be a file exported from a previous or other Moodle site. It may be a file you have created in a specific format other than Moodle.

5. Select the file format (compulsory)

6. Complete the General section as appropriate

7. Choose a file (compulsory). In the file picker select Upload a File and browse to the file you want.

8. Uploading this file will import your questions into your quiz.

*From txt file: Aikin Method*

You can write and import questions made in Word. See the sequence of images below, which show the following:

1. Write the Multiple choice questions in text or in Word and copy and paste to Notepad to save as text.

Example of questions created in notepad. **NOTE: There can be no curly apostrophes only straight ones (').**

When is the moodleposium?

A. June
B. July
C. September
C. October

Answer: D

What is the staff collaborative area in building 1 called?

A. Collaboratorium
B. Teaching Commons
C. Staff Resource Centre
D. Learning Hub

Answer: B
2. At this stage, you may need to clean up your Word formatting, if not, just continue.

3. Go to LMS quiz: create category if desired (or if using random questions): go Settings: Import (or to questions: import).

4. Choose Aikin as the format, choose the correct category (optional), uncheck Get Category, and find the file. Click Import
LMS Online Quiz

[Image of the interface for importing questions from a file]

**File format**
- Alkin format
- Blackboard
- Blackboard V6+
- Embed new answers (Gloax)
- ExamView
- GCT format
- Learnwise format
- Moodle word format
- Moodle XML format
- WebCT format

**General**
- Import category
- Quiz question (only)
- Get category from file
- Get context from file
- Match grades
- Error if grade not listed
- Stop on error
- Yes

**Import questions from file**
- Import
  - Choose a file...
  - No files attached

*There are required fields in this form marked.*
Now add the questions to the quiz as before (either by selecting and adding or by choosing a random number of questions from the category.

There are other ways to import question shown at the end of this document.

**Importing From txt file: GIFT Method**

**Basics**

GIFT is the most comprehensive import format available for importing Moodle quiz questions from a text file. The text encoding of your text file must be utf-8 (unless you only use ascii characters). Each individual question in the GIFT file must not contain any blank lines.

Each question is delimited by at least one blank line. If you need to represent a blank line in your question you can use the entity \n.

| **Line Comments** | // Subheading: Numerical questions below
| What's 2 plus 2? [#4] |
| **Question Names** | ::Kanji Origins::Japanese characters originally came from what country? (China)
| ::Thanksgiving Date::The American holiday of Thanksgiving is celebrated on the [-second -third -fourth] Thursday of November |
| **Feedback** | What's the answer to this multiple-choice question? |
| -wrong answer#feedback comment on the wrong answer
| -another wrong answer#feedback comment on this wrong answer
| =right answer#Very good
| }
| Who's buried in Grant's tomb? |
| -no one#excellent answer!
| -nobody#excellent answer!
| }
| Grant is buried in Grant's tomb. [FALSE]#Wrong, No one is buried in Grant's tomb.#Right, well done. |
## Specifying Categories
It is possible to change the category into which the questions are added within the GIFT file. You can change the category as many times as you wish within the file. All questions after the modifier up to the next modifier or the end of the file will be added to the specified category. Up to the first category modifier the category specified on the import screen will be used. Note that for this to work the from file box must be ticked on the import screen.

To include a category modifier include a line like this (with a blank line before and after):

```
$CATEGORY: tom/dick/harry
or simply
$CATEGORY: mycategory
```

...the first example specifies a path of nested categories. In this case the questions will go into harry. The categories are created if they do not exist.

## Special Characters ` = # {}`
These symbols ` = # {}`: control the operation of this filter and cannot be used as normal text within questions. Since these symbols have a special role in determining the operation of this filter, they are called "control characters." But sometimes you may want to use one of these characters, for example to show a mathematical formula in a question. The way to get around this problem is "escaping" the control characters. This means simply putting a backslash (\) before a control character so the filter will know that you want to use it as a literal character instead of as a control character.

Which answer equals 5? {
  \- 2 + 2
  \= 2 + 3
  \- 2 + 4
}

::GIFT Control Characters:::
Which of the following is NOT a control character for the GIFT import format? {
  \- \# \- is a control character.
  \- \# \- is a control character.
  \- \# \# is a control character.
  \- \# \# \\ is a control character.
  \- \# \ is a control character.
  \- \# \ is a control character.
  \- \# Correct! \ (backslash) is not a control character. BUT, \ it is used to escape the control characters.
}

## Text Formatting
The question text (only) may have an optional text format specified. Currently the available formats are moodle (Moodle Auto-Format), html (HTML format), plain (Plain text format) and markdown (Markdown format). The format is specified in square brackets immediately before the question text. More information on text formats in Moodle.

```
[markdown]The *American holiday of Thanksgiving* is celebrated on the {
  \- second
  \- third
  =fourth
  \} Thursday of November.
```
## Description

A description "question" has no answer part at all

The next set of questions will concern arithmetic

## Multiple Choice

For multiple choice questions, wrong answers are prefixed with a tilde (~) and the correct answer is prefixed with an equal sign (=). If the answers come before the closing punctuation mark, a fill-in-the-blank line will be inserted for the "missing word" format. All question types can be written in the Missing Word format.

For clarity, the answers can be written on separate lines and even indented. For Multiple Choice questions, feedback is displayed only for the answer the student selected.

Percentage answer weights can be included by following the tilde with the desired percent enclosed within percent signs (e.g., %50%).

- Who is buried in Grant's tomb? (~Grant ~Jefferson =no one)
  - Grant is (~buried ~entombed ~living) in Grant's tomb.
  - Japanese characters originally came from what country? {
    - India~Sorry.
    - China~Correct!
    - Korea~Try again.
    - Egypt~That's not it.
  }

::Jesus' hometown:: Jesus Christ was from {
  - Jerusalem~This was an important city, but is wrong.
  - Bethlehem~He was born here, but not raised here.
  - Galilee~You need to be more specific.
  - Nazareth~Yes! That's right!
}

## Short Answer

Answers in Short Answer question-type are all prefixed by an equal sign (=), indicating that they are all correct answers. The answers must not contain a (~). If there is only one correct Short Answer, it may be written without the equal sign prefix, as long as it cannot be confused as True-False. For short answer, feedback is shown only when students input the corresponding correct answer.

Percentage answer weights can be included by following the tilde (for Multiple Choice) or equal sign (for Short Answer) with the desired percent enclosed within percent signs (e.g., %50%).

- Who is buried in Grant's tomb? =no one =nobody

Two plus two equals (~four =4).

Who is buried in Grant's tomb? {
  =no one =excellent answer!
  =nobody =excellent answer!
}

::Jesus' hometown:: Jesus Christ was from {
  =Nazareth =Yes! That's right!
  ~75%Nazareth=right, but misspelled.
  ~25%Bethlehem=He was born here, but not raised here.
}

## Case Sensitivity

Short Answer questions can be made case sensitive by changing "0" to "1" in the following line.

```
$question->useCase = 0; // ignore case
```
**True-False**

In this question-type the answer indicates whether the statement is true or false. The answer should be written as **[TRUE]** or **[FALSE]**, or abbreviated to **(T)** or **(F)**. For true-false questions, there can be one or two feedback strings. The first is shown if the student gives the wrong answer. The second if the student gives the right answer.

<table>
<thead>
<tr>
<th>Grant is buried in Grant’s tomb.</th>
<th>(F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>The sun rises in the east.</td>
<td>(TRUE)</td>
</tr>
<tr>
<td>Grant is buried in Grant’s tomb.</td>
<td></td>
</tr>
<tr>
<td>False, No one is buried in Grant’s tomb.</td>
<td></td>
</tr>
<tr>
<td>Right, well done.</td>
<td></td>
</tr>
</tbody>
</table>

**Matching**

Matching pairs begin with an equal sign (=) and are separated by this symbol “->”. There must be at least three matching pairs.

```
Match the following countries with their corresponding capitals. 
- Canada -> Ottawa
- Italy -> Rome
- Japan -> Tokyo
- India -> New Delhi
```

**Essay**

An essay question is simply a question with an empty answer field. Nothing is permitted between the curly braces at all.

Write a short biography of Ulysses S. Grant {}

**Numerical**

The answer section for Numerical questions must start with a number sign (#). Numerical answers can include an error margin, which is written following the correct answer, separated by a colon. So for example, if the correct answer is anything between 1.5 and 2.5, then it would be written as follows #2:0.5. This indicates that 2 with an error margin of 0.5 is correct (i.e., the span from 1.5 to 2.5). If no error margin is specified, it will be assumed to be zero.

Optionally, numerical answers can be written as a span in the following format #MinimumValue..MaximumValue.

```
When was Ulysses S. Grant born? #1822
What is the value of pi (to 3 decimal places)? #3.14159265358979323846264338327950288419716939937510
What is the value of pi (to 3 decimal places)? #3.141...
When was Ulysses S. Grant born? #1822:0
```

Moodle’s browser interface does not support multiple numerical answers, but Moodle’s code can and so does GIFT. This can be used to specify numerical multiple spans, and can be particularly usefully when combined with percentage weight grades. If multiple answers are used, they must be separated by an equal sign, like short answer questions.

**Multiple Answers**

The Multiple Answers option is used for multiple choice questions when two or more answers must be selected in order to obtain full credit. The multiple answers option is enabled by assigning partial answer weight to multiple answers, while allowing no single answer to receive full credit.

Note that there is no equal sign (=) in any answer and the answers should total no more than 100%, otherwise Moodle will return an error. To avoid the problem of students automatically getting 100% by simply checking all of the answers, it is best to include negative answer weights for wrong answers.

```plaintext
What two people are entombed in Grant's tomb? 
- No one
- Grant
- Grant's wife
- Grant's father

What two people are entombed in Grant's tomb? 
- -50% No one
- -50% Grant
- -50% Grant's wife
- -50% Grant's father
```
Sample Text for GIFT format

Copy the text below in text file

// EXAMPLE QUESTIONS for the GIFT import filter

//--------------------------------------------------//

// EXAMPLES FROM DESCRIPTION
//--------------------------------------------------//

Who's buried in Grant's tomb? {~Grant ~Jefferson = no one}

Grant is {~buried =entombed ~living} in Grant's tomb.

Grant is buried in Grant's tomb. (FALSE)

Who's buried in Grant's tomb? {=no one =nobody}

When was Ulysses S. Grant born? (#1822:1)

//--------------------------------------------------//

// EXAMPLES FROM DOCUMENTATION
//--------------------------------------------------//

// == Multiple Choice ==
Who's buried in Grant's tomb?

Grant is buried in Grant's tomb.

The American holiday of Thanksgiving is celebrated on the fourth Thursday of November.

Japanese characters originally came from what country?

// ===Short Answer===

Who's buried in Grant's tomb?

Two plus two equals four.

// ===True-False===

Grant is buried in Grant's tomb.
The sun rises in the east. \[ T \] 

// ===Numerical===

Matching Question. { 
  =subquestion1 -> subanswer1 
  =subquestion2 -> subanswer2 
  =subquestion3 -> subanswer3 
} 

Match the following countries with their corresponding capitals. { 
  =Canada -> Ottawa 
  =Italy -> Rome 
  =Japan -> Tokyo 
  =India -> New Delhi 
} 

// ===Numerical===

When was Ulysses S. Grant born? \#1822\}

What is the value of pi (to 3 decimal places)? \#3.1415:0.0005\}

What is the value of pi (to 3 decimal places)? \#3.141\} 3.142\}

When was Ulysses S. Grant born? \#
What's 2 plus 2? {#4}

::Kanji Origins::Japanese characters originally came from what country? {=China}

::Thanksgiving Date::The American holiday of Thanksgiving is celebrated on the {~second ~third =fourth} Thursday of November.

What's the answer to this multiple-choice question?{
~wrong answer#feedback comment on the wrong answer
~another wrong answer#feedback comment on this wrong answer
=right answer#Very good!}
Who's buried in Grant's tomb?

- no one#excellent answer!
- nobody#excellent answer!

// ===Percentage Answer Weights===
Grant is buried in Grant's tomb.{FALSE#No one is buried in Grant's tomb.}

Difficult question.{~wrong answer ~%50%half credit answer =full credit answer}

::Jesus' hometown:: Jesus Christ was from {
  ~Jerusalem#This was an important city, but the wrong answer.
  ~%25%Bethlehem#He was born here, but not raised here.
  ~%50%Galilee#You need to be more specific.
  =Nazareth#Yes! That's right!}.

::Jesus' hometown:: Jesus Christ was from {
  =Nazareth#Yes! That's right!
  =%75%Nazereth#Right, but misspelled.
  =%25%Bethlehem#He was born here, but not raised here.}

// ===Multiple Answers===

What two people are entombed in Grant's tomb? {
  ~No one
  ~%50%Grant
  ~%50%Grant's wife
What two people are entombed in Grant's tomb?

- 50% No one
- 50% Grant
- 50% Grant's wife
- 50% Grant's father

Who's buried in Grant's tomb? (~Grant ~Jefferson = no one)

Grant is (~buried = entombed ~living) in Grant's tomb.

Grant is buried in Grant's tomb. {FALSE}

Who's buried in Grant's tomb? {= no one = nobody}

When was Ulysses S. Grant born? {#1822:5}

Match the following countries with their corresponding capitals. {= Canada -> Ottawa, Italy -> Rome, Japan -> Tokyo}
// MORE COMPLICATED EXAMPLES

://Grant's Tomb:// Grant is {
  ~buried#No one is buried there.
  =entombed#Right answer!
  ~living#We hope not!
}
in Grant's tomb.

Difficult multiple choice question.{
  ~wrong answer  #comment on wrong answer
  ~%50%half credit answer #comment on answer
  =full credit answer  #well done!}

://Jesus' hometown (Short answer ex.):// Jesus Christ was from {
  =Nazareth#Yes! That's right!
  =%75%Nazereth#Right, but misspelled.
  =%25%Bethlehem#He was born here, but not raised here.
}.

//this comment will be ignored by the filter

://Numerical example://

When was Ulysses S. Grant born? {
  =1822:0  #Correct! 100% credit
  =%50%1822:2  #He was born in 1822.
    You get 50% credit for being close.}