COURSE NAME

Question Catalog

July 7, 2023

The Auto Multiple Choice can be used alongside Lua or Python code to generate random numbers so that each realization or copy of the exam has different numbers for these questions.

There are some tipes of questions that are well suited for use with the software:

Multiple Choice: questions with only one correct answer, multiple correct answers, and even questions with no correct answers.

Range: It is also possible to have a numeric question with a range of accepted answers.

Open Questions: open space for the student to write a short answer or a long answer. These questions can be corrected by the teacher.

1 Question Samples

These questions do not make use of any external or internal code with Lua or Python. Question [example-true-false] This proposition is true.
True False
Explanation: A true statement is true.
Question [example-one-choice] What is equal to one in \mathbb{Z} ?
1 2 3 4 5
Explanation: There is only one 1 in the set of integers.
Question [example-multiple-choice] Which below are the odd numbers?
Explanation: All odd numbers are divisible by 2.
Question [example-lastchoices] Which color do you prefer?
red green blue I don't care I don't know
Explanation: There is no wrong answer.
Question [example-open] Write π with two decimal places. $\ \ \ \ \ \ \ \ \ \ \ \ \ $
3.14

Explanation: $\pi = 3.14$.

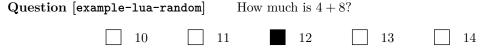
2 Question Samples with Lua Code

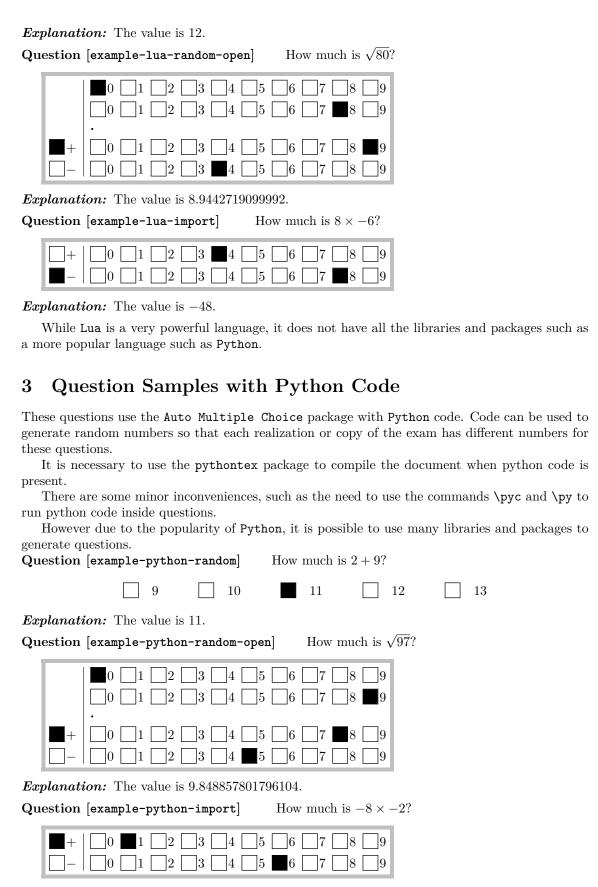
These questions use the Auto Multiple Choice package with Lua code. Code can be used to generate random numbers so that each realization or copy of the exam has different numbers for these questions.

It is necessary to use the LuaTex engine to compile the document when lua code is present.

There are some minor inconveniences, such as the need to use the commands \luadirect or \directlua to run lua code inside questions.

Some examples can be found below:





Explanation: The value is 16.