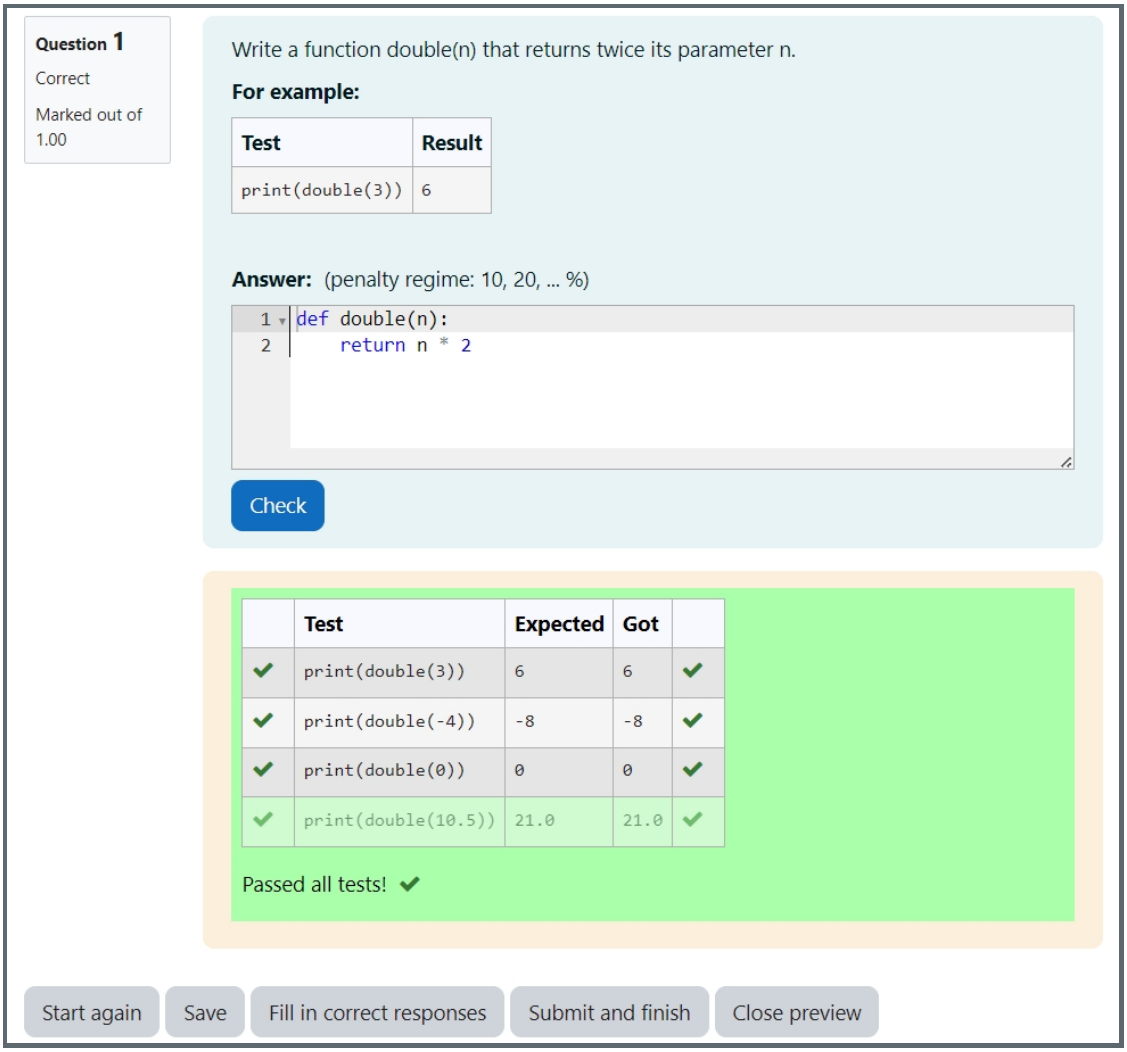
CodeRunner question type

416 Chenhui Li Mon, Jul 14, 2025 Question Types 486 0



An example of CodeRunner question type

Overview:

This guide will show you how to create a CodeRunner question type.

What to know:

CodeRunner allows students to submit code as answers to various programming questions in different languages. Typically, it works in Core's adaptive quiz mode, where students enter their code for each question and receive immediate feedback on their test results. They can then make corrections and resubmit their code, usually with a minor penalty.

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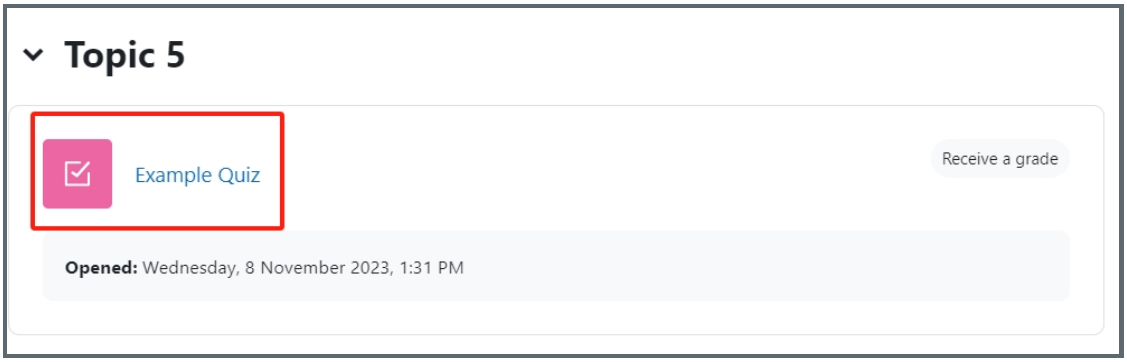
Step 9: Preview and test

Step 1: Access the Quiz activity where you want to create the question

In your module area/course, click the link of the Quiz activity where you want to create a new CodeRunner question.



Note: If an appropriate Quiz activity doesn't exist in your module area/course, please seeAdd a quiz for details of how to create one.

Step 2: Open the 'Questions' tab.

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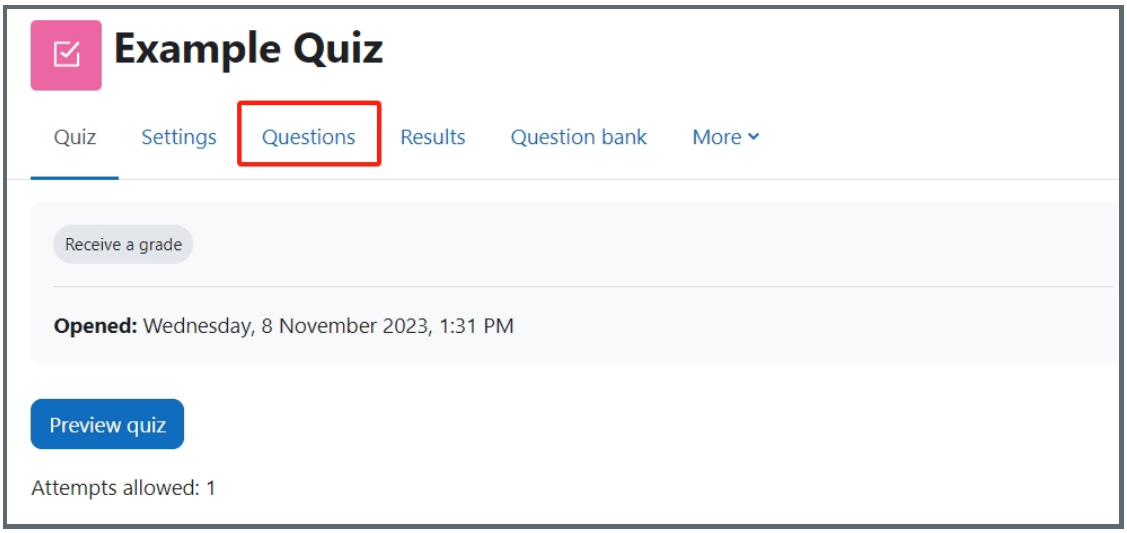
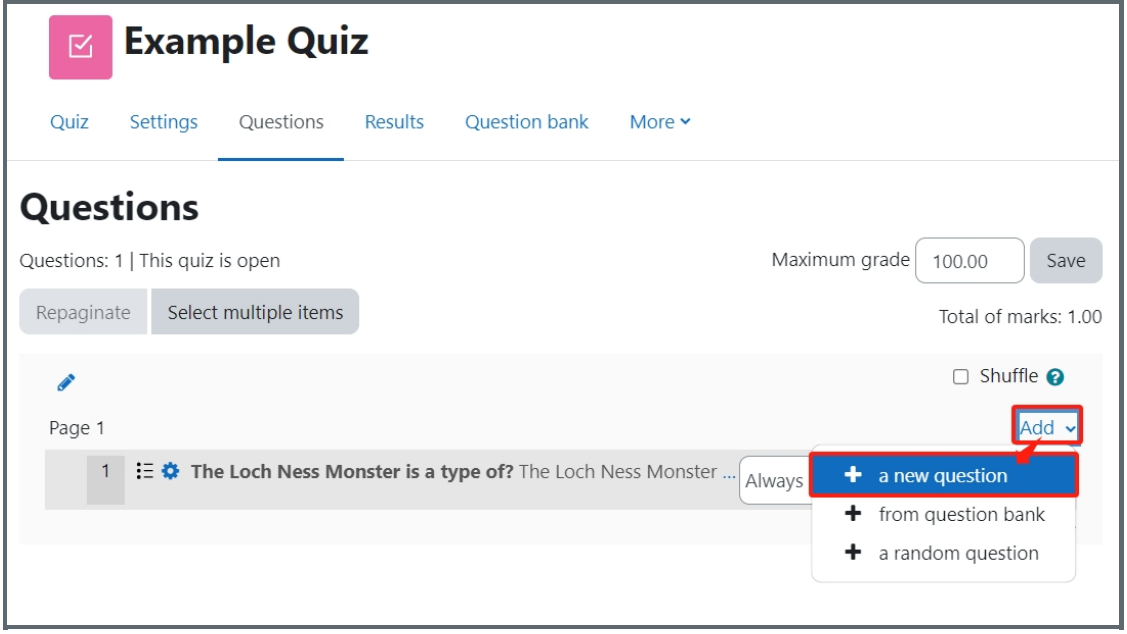


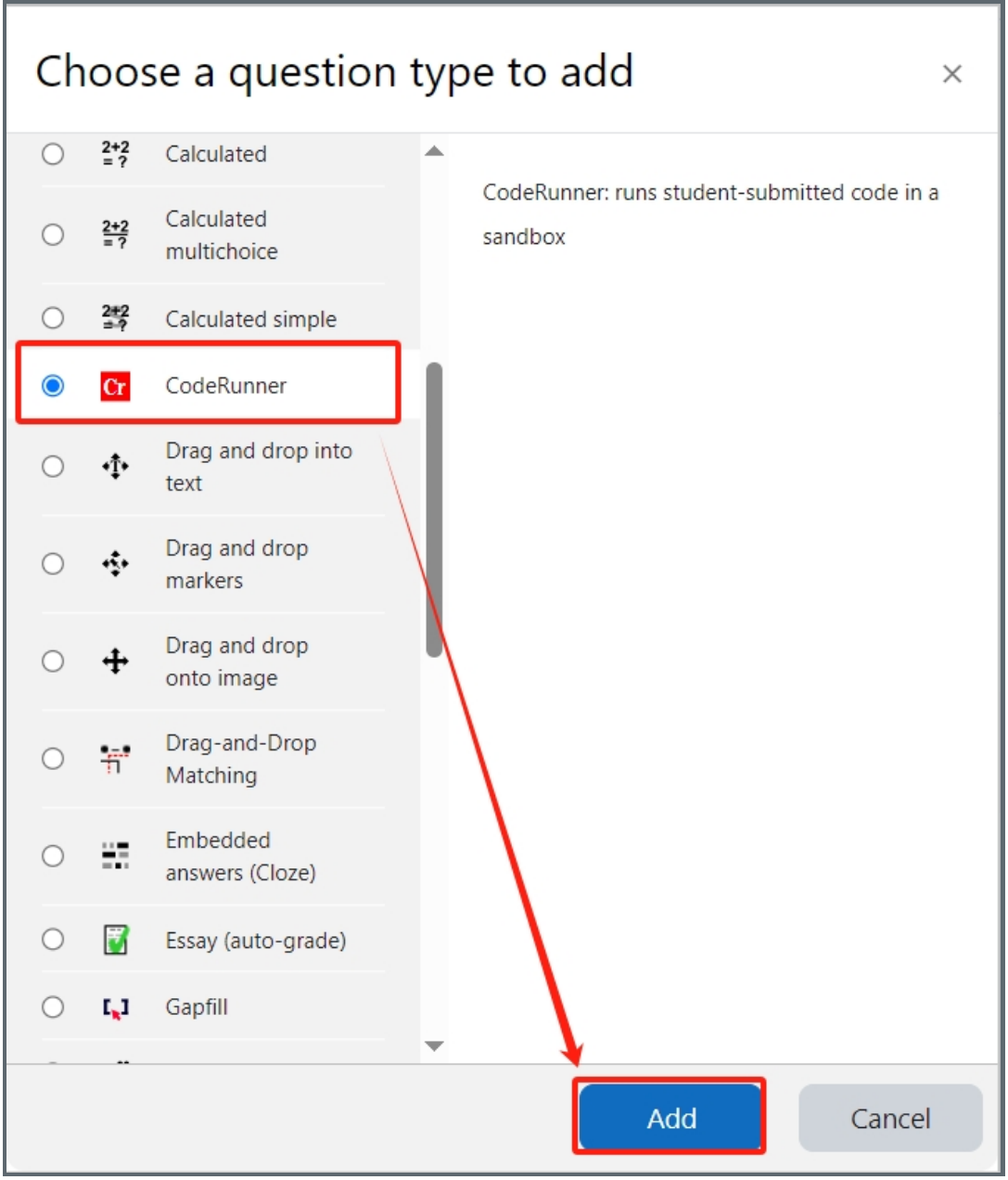
Step 3: Add a new question

1. On the following page, click the 'Add' link.
2. Click the 'a new question' link in the dropdown menu.



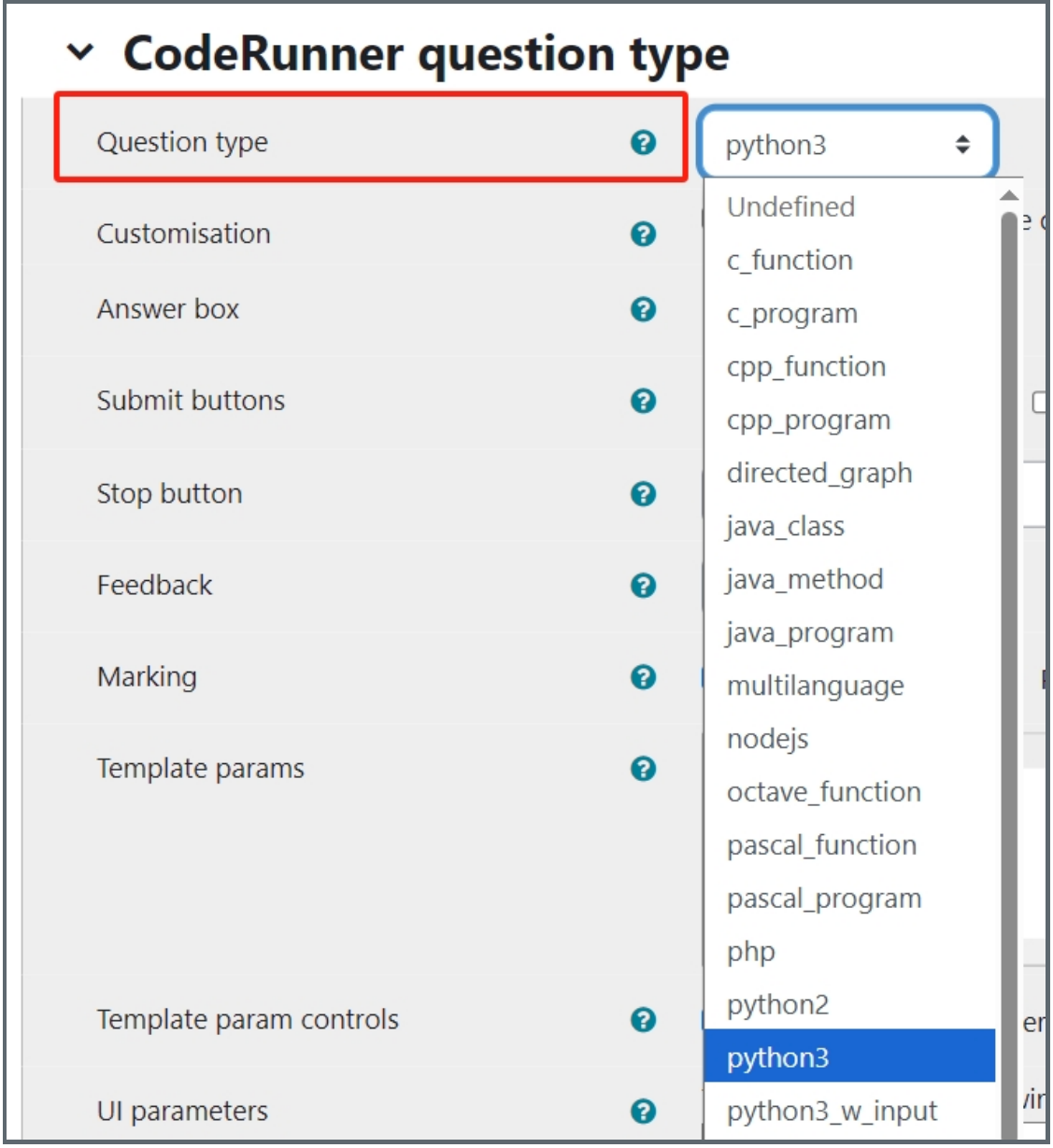
Step 4: Choose a question type

1. Locate and select the CodeRunner question type from the pop-up window.
2. Click the 'Add' button.

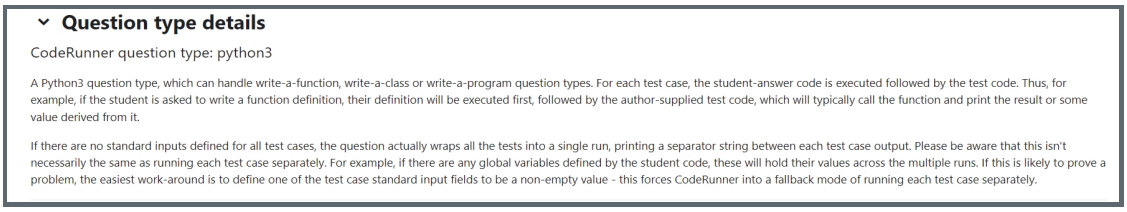


Step 5: Choose a 'Question type'

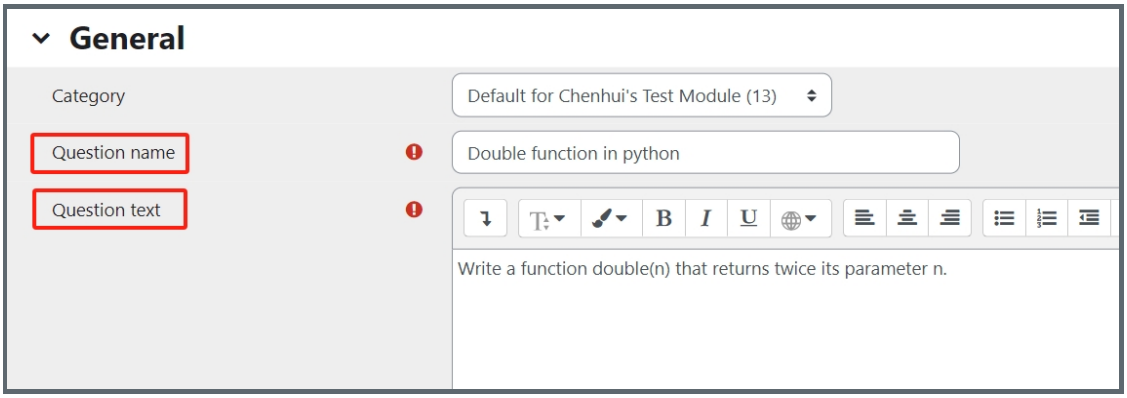
Choose a 'Question type' according to your requirement.



Then, you can find more details about the question type you choose in the 'Question type details' area.



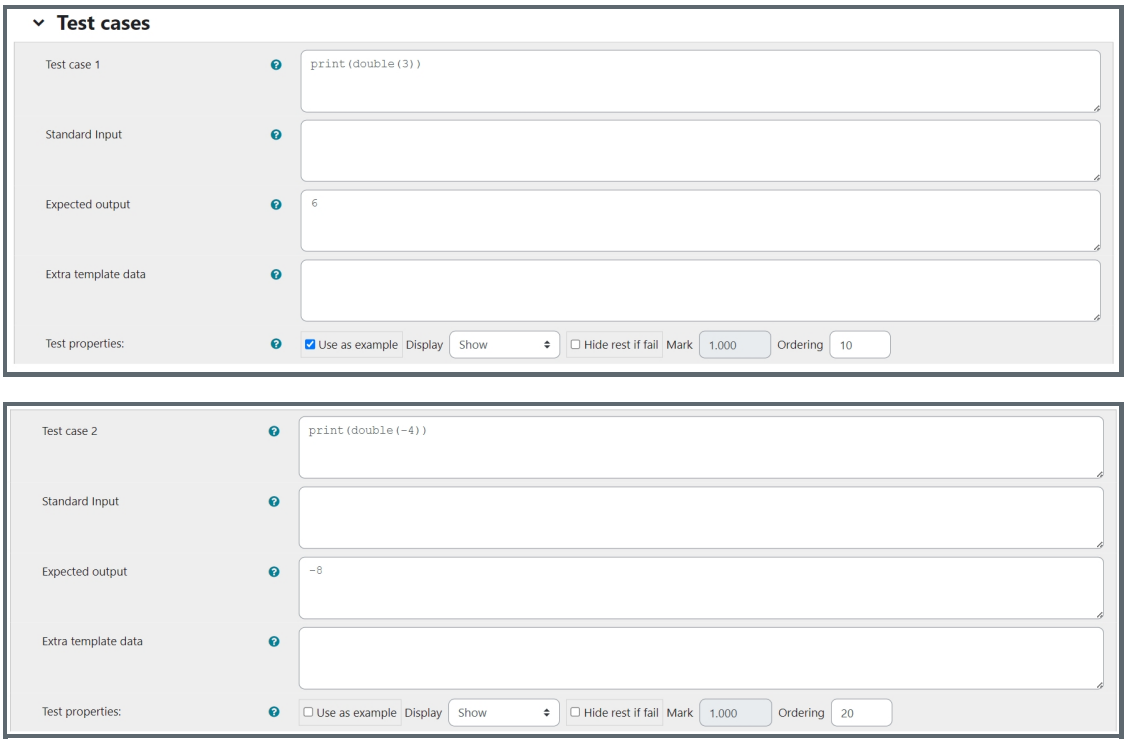
Step 6: Input 'Question name' and 'Question text'



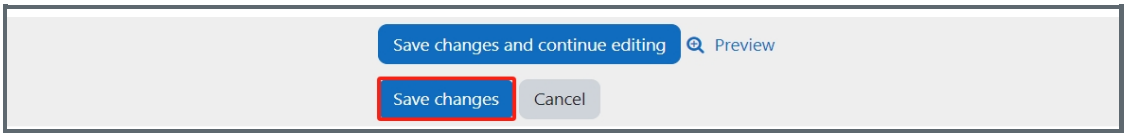
Step 7: Input the 'Test case'

Input Test cases.

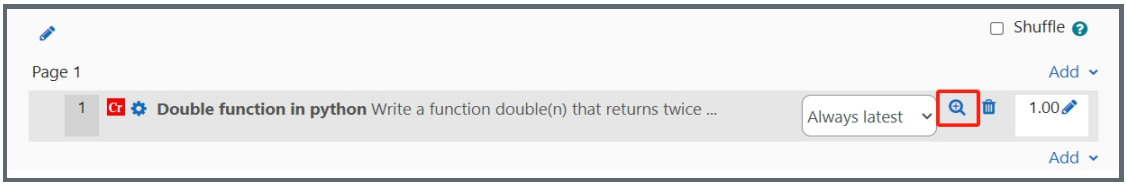
You can set the Test case as an example to provide students with a reference.

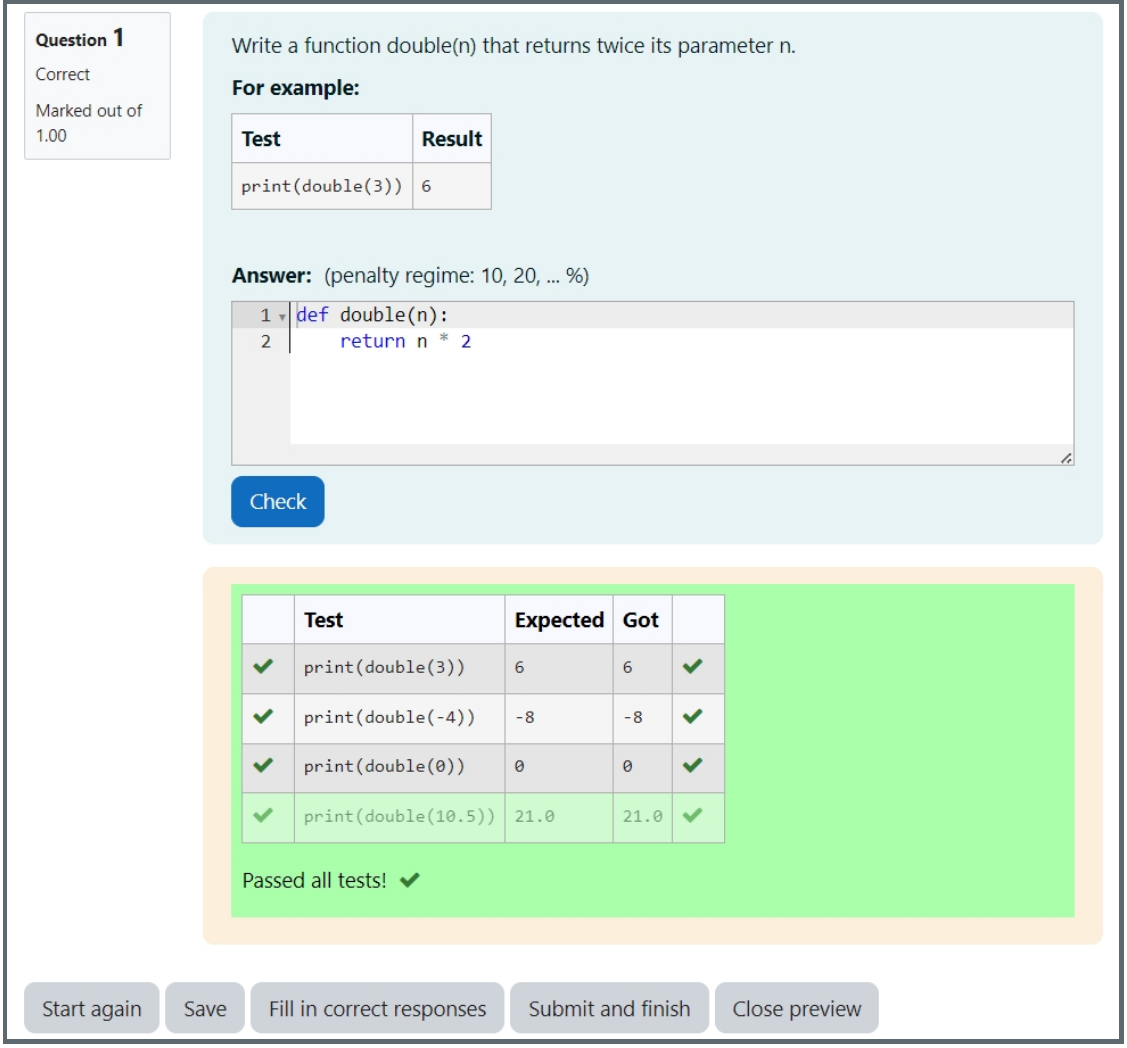


Step 8: Save changes



Step 9: Preview and test





Question 1

Correct

Marked out of 1.00

Write a function double(n) that returns twice its parameter n.

For example:

Test	Result
print(double(3))	6

Answer: (penalty regime: 10, 20, ... %)

```
1 def double(n):
2     return n * 2
```

Check

	Test	Expected	Got	
✔	print(double(3))	6	6	✔
✔	print(double(-4))	-8	-8	✔
✔	print(double(0))	0	0	✔
✔	print(double(10.5))	21.0	21.0	✔

Passed all tests! ✔

Start again | Save | Fill in correct responses | Submit and finish | Close preview

Optional settings:

Answer box: set the number of rows to allocate for the answer box.

Display > Hide: allows for additional validation of student answers, preventing them from using alternative methods to arrive at the correct output and ensuring they provide the intended solution.