course_1_assessment_2

Due: 2018-11-25 01:14:00

Description: Assessment for Programming in Python lesson.   Score: 3.0 of 3 = 100.0%

Questions

Score: 1.0 / 1

Comment: autograded

There is a function we are providing in for you in this problem called `square`. It takes one integer and returns the square of that integer value. Write code to assign a variable called `xyz` the value `5*5` (five squared). Use the square function, rather than just multiplying with `*`.

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```
1  xyz = square(5)
2  print(xyz)
3
4
```

ActiveCode (assess_ps_01_01)

Score: 1.0 / 1

Comment: autograded

Write code to assign the number of *characters* in the string `rv` to a variable `num_chars`.

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```
1  rv = """Once upon a midnight dreary, while I pondered, weak and weary,
2      Over many a quaint and curious volume of forgotten lore,
3      While I nodded, nearly napping, suddenly there came a tapping,
4      As of some one gently rapping, rapping at my chamber door.
5      'Tis some visitor, I muttered, tapping at my chamber door;
6      Only this and nothing more."""
7
8  # Write your code here!
9  num_chars = len(rv)
10 print(num_chars)
11
```

ActiveCode (assess_ps_01_02)

data-19-1: The code below initializes two variables, `z` and `y`. We want to assign the total number of characters in `z` and in `y` to the variable `a`. Which of the following solutions, if any, would be considered hard coding?

Score: 1.0 / 1

Comment: autograded

```
z = "hello world"
y = "welcome!"
```
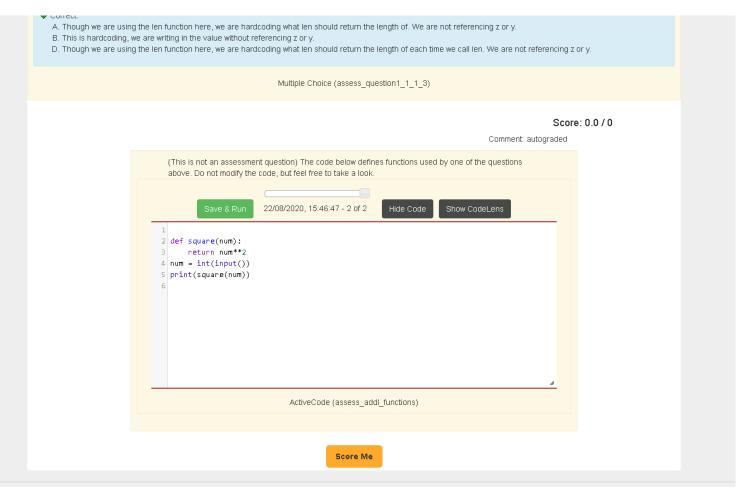
☑ A. a = len("hello worldwelcome!")

☑ B. a = 11 + 8

☐ C. a = len(z) + len(y)

☑ D. a = len("hello world") + len("welcome!")

☐ E. none of the above are hardcoding.

Check me   Compare me

✔ Correct

✔ Correct.

A. Though we are using the len function here, we are hardcoding what len should return the length of. We are not referencing z or y.

B. This is hardcoding, we are writing in the value without referencing z or y.

D. Though we are using the len function here, we are hardcoding what len should return the length of each time we call len. We are not referencing z or y.

Multiple Choice (assess_question1_1_1_3)

Score: 0.0 / 0

Comment: autograded

(This is not an assessment question) The code below defines functions used by one of the questions above. Do not modify the code, but feel free to take a look.

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```
1
2 def square(num):
3     return num**2
4 num = int(input())
5 print(square(num))
6
```

ActiveCode (assess_addl_functions)

Score Me