

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 `*` .

Save & Run

15/09/2022, 21:13:46 - 2 of 2

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

Activity: 2.18.1 ActiveCode (assess_ps_01_01)

Question in Context (/runestone/books/published/fopp/SimplePythonData/week1a2.html#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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15/09/2022, 21:15:22 - 3 of 3

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```
1
```

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

Activity: 2.18.2 ActiveCode (assess_ps_01_02)

[Question in Context \(/runestone/books/published/fopp/SimplePythonData/week1a2.html#assess_ps_01_02\)](/runestone/books/published/fopp/SimplePythonData/week1a2.html#assess_ps_01_02)

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



- 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`.

Activity: 2.18.3 Multiple Choice (assess_question1_1_1_3)

Question in Context (/runestone/books/published/fopp/SimplePythonData/week1a2.html#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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Activity: 2.18.4 ActiveCode (assess_addl_functions)

Question in Context (/runestone/books/published/fopp/SimplePythonData/week1a2.html#assess_addl_functions)

Score Me