

course_1_assessment_5

Due: 2018-11-25 01:17:00

Description: Assessment for Lists and Strings lesson.

Score: 8.0 of 8 = 100.0%

Questions

What will the output be for the following code?

Score: 1.0 / 1

Comment: autograded

```
let = "z"  
let_two = "p"  
c = let_two + let  
m = c*5  
print(m)
```

- ☐ A. zpzpzpzp
- ☐ B. zzzzpzzzz
- ☒ C. zpzpzpzp
- ☐ D. pppppzzzz
- ☐ E. None of the above, an error will occur.

Check Me

Compare me

✓ Yes, because let_two was put before let, c has "pz" and then that is repeated five times.

Activity: 6.11.1 Multiple Choice (assess_question2_1_1_1)

Question in Context (/runestone/books/published/fopp/Sequences/week2a1.html#assess_question2_1_1_1)

Score: 1.0 / 1

Comment: autograded

Write a program that extracts the last three items in the list `sports` and assigns it to the variable `last`. Make sure to write your code so that it works no matter how many items are in the list.

Save & Run

15/09/2022, 21:50:00 - 2 of 2

Show CodeLens

```
1
2 sports = ['cricket', 'football', 'volleyball', 'baseball', 'softball',
3 last=sports[len(sports)-3:]
4 print(last)
5
6
```

Activity: 6.11.2 ActiveCode (assess_ac_2_1_1_2)

[Question in Context \(/runestone/books/published/fopp/Sequences/week2a1.html#assess_ac_2_1_1_2\)](/runestone/books/published/fopp/Sequences/week2a1.html#assess_ac_2_1_1_2)

Score: 1.0 / 1

Comment: autograded

Write code that combines the following variables so that the sentence “You are doing a great job, keep it up!” is assigned to the variable `message` . Do not edit the values assigned to `by` , `az` , `io` , or `qy` .

Save & Run

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Show CodeLens

```
1
2 by = "You are"
3 az = "doing a great "
4 io = "job"
5 qy = "keep it up!"
6 message=by+" "+az+io+', '+' '+qy
7 print(message)
8
9
```

Activity: 6.11.3 ActiveCode (assess_ac_2_1_1_3)

[Question in Context \(/runestone/books/published/fopp/Sequences/week2a1.html#assess_ac_2_1_1_3\)](/runestone/books/published/fopp/Sequences/week2a1.html#assess_ac_2_1_1_3)

What will the output be for the following code?

Score: 1.0 / 1

```
ls = ['run', 'world', 'travel', 'lights', 'moon', 'baseball', 'sea']  
new = ls[2:4]  
print(new)
```

Comment: autograded

- ☐ A. ['travel', 'lights', 'moon']
- ☐ B. ['world', 'travel', 'lights']
- ☒ C. ['travel', 'lights']
- ☐ D. ['world', 'travel']

[Check Me](#)[Compare me](#)

✓ Yes, python is a zero-index based language and slices are inclusive of the first index and exclusive of the second.

Activity: 6.11.4 Multiple Choice (assess_question2_1_1_4)

[Question in Context \(/runestone/books/published/fopp/Sequences/week2a1.html#assess_question2_1_1_4\)](/runestone/books/published/fopp/Sequences/week2a1.html#assess_question2_1_1_4)What is the type of `m` ?

Score: 1.0 / 1

```
l = ['w', '7', 0, 9]  
m = l[1:2]
```

Comment: autograded

- ☐ A. string
- ☐ B. integer
- ☐ C. float
- ☒ D. list

[Check Me](#)[Compare me](#)

✓ Yes, a slice returns a list no matter how large the slice.

Activity: 6.11.5 Multiple Choice (assess_question2_1_1_5)

[Question in Context \(/runestone/books/published/fopp/Sequences/week2a1.html#assess_question2_1_1_5\)](/runestone/books/published/fopp/Sequences/week2a1.html#assess_question2_1_1_5)

Score: 1.0 / 1

What is the type of `m` ?

Comment: autograded

```
l = ['w', '7', 0, 9]
m = l[1]
```

- ☒ A. string
- ☐ B. integer
- ☐ C. float
- ☐ D. list

Check Me

Compare me

✓ Yes, the quotes around the number mean that this is a string.

Activity: 6.11.6 Multiple Choice (assess_question2_1_1_6)

[Question in Context \(/runestone/books/published/fopp/Sequences/week2a1.html#assess_question2_1_1_6\)](/runestone/books/published/fopp/Sequences/week2a1.html#assess_question2_1_1_6)What is the type of `x` ?

Score: 1.0 / 1

Comment: autograded

```
b = "My, what a lovely day"
x = b.split(',')
```

- ☐ A. string
- ☐ B. integer
- ☐ C. float
- ☒ D. list

Check Me

Compare me

✓ Yes, the `.split()` method returns a list.

Activity: 6.11.7 Multiple Choice (assess_question2_1_1_7)

[Question in Context \(/runestone/books/published/fopp/Sequences/week2a1.html#assess_question2_1_1_7\)](/runestone/books/published/fopp/Sequences/week2a1.html#assess_question2_1_1_7)What is the type of `a` ?

Score: 1.0 / 1

```
b = "My, what a lovely day"
x = b.split(',')
z = "".join(x)
y = z.split()
a = "".join(y)
```

Comment: autograded

- ☒ A. string
- ☐ B. integer
- ☐ C. float
- ☐ D. list

[Check Me](#)[Compare me](#)

✓ Yes, the string is split into a list, then joined back into a string, then split again, and finally joined back into a string.

Activity: 6.11.8 Multiple Choice (assess_question2_1_1_8)

[Question in Context \(/runestone/books/published/fopp/Sequences/week2a1.html#assess_question2_1_1_8\)](/runestone/books/published/fopp/Sequences/week2a1.html#assess_question2_1_1_8)[Score Me](#)