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

sequences-10-1: 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. zpzpzpzpzp
B. zzzzzppppp
C. pzpzpzpzpz
D. pppppzzzzz
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.

Multiple Choice (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 4/30/2021, 8:03:12 PM - 2 of 2 Show in CodeLens

```
1 sports = ['cricket', 'football', 'volleyball', 'baseball', 'softball', 'track and field',
2
3 last = sports[-3:]
4
```

ActiveCode (assess_ac_2_1_1_2)

Result	Actual Value	Expected Value	Notes	
Pass	['cur...key']	['cur...key']	Testing that the value of last is the last three items in sports.	Expand Differences
Pass	<__ma...ject>	True	Hardcode check	Expand Differences

You passed: 100.0% of the tests

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 4/30/2021, 8:13:47 PM - 11 of 11 Show in CodeLens

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

```
You are doing a great job, keep it up!
```

ActiveCode (assess_ac_2_1_1_3)

Result	Actual Value	Expected Value	Notes	
Pass	'You are'	'You are'	Testing original variables.	
Pass	'doing a great '	'doing a great '	Testing original variables.	
Pass	'job'	'job'	Testing original variables.	
Pass	'keep it up!'	'keep it up!'	Testing original variables.	
Pass	'You a...t up!'	'You a...t up!'	Testing that the value of message is what was expected.	Expand Differences
Pass	'You a...t up!'	'by = ...age)\n'	Testing for hardcoding (Don't worry about actual and expected values).	Expand Differences

You passed: 100.0% of the tests

sequences-10-2: 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.

Multiple Choice (assess_question2_1_1_4)

sequences-10-3: 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.

Multiple Choice (assess_question2_1_1_5)

sequences-10-4: What is the type of `m`? Score: 1.0 / 1

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

Comment: autograded

A. string
B. integer
C. float
D. list

Check me Compare me

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

Multiple Choice (assess_question2_1_1_6)

sequences-10-5: What is the type of `x`? Score: 1.0 / 1

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

Comment: autograded

A. string
B. integer
C. float
D. list

Check me Compare me

✔ Yes, the .split() method returns a list.

Multiple Choice (assess_question2_1_1_7)

sequences-10-6: 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.

Multiple Choice (assess_question2_1_1_8)

Score Me