course_1_assessment_6

Due: 2018-11-25 01:19:00

Description: Assessment for Way of Programmer Week 2 lesson. Score: 9.0 of 9 = 100.0%

Questions

Score: 1.0 / 1

Comment: autograded

Write one for loop to print out each character of the string `my_str` on a separate line.

Save & Run | Load History | Show CodeLens

```
1
2 my_str = "MICHIGAN"
3
4
```

Activity: 7.15.1 ActiveCode (assess_ps_02_01)

Question in Context (/runestone/books/published/fopp/Iteration/week2a2.html#assess_ps_02_01)

Score: 1.0 / 1

Comment: autograded

Write one for loop to print out each element of the list `several_things` . Then, write *another* for loop to print out the TYPE of each element of the list `several_things` . To complete this problem you should have written two different for loops, each of which iterates over the list `several_things` , but each of those 2 for loops should have a different result.

Save & Run | Load History | Show CodeLens

```
1
2 several_things = ["hello", 2, 4, 6.0, 7.5, 234352354, "the end", "", 
3
4
```

Activity: 7.15.2 ActiveCode (assess_ps_02_02)

Question in Context (/runestone/books/published/fopp/Iteration/week2a2.html#assess_ps_02_02)

Score: 1.0 / 1

Comment: autograded

Write code that uses iteration to print out **the length** of each element of the list stored in `str_list`.

Save & Run | Load History | Show CodeLens

```
1
2 str_list = ["hello", "", "goodbye", "wonderful", "I love Python"]
3
4 # Write your code here.
5
```

Activity: 7.15.3 ActiveCode (assess_ps_02_03)

Question in Context (/runestone/books/published/fopp/Iteration/week2a2.html#assess_ps_02_03)

Score: 1.0 / 1

Comment: autograded

Write code to count the number of characters in `original_str` using the accumulation pattern and assign the answer to a variable `num_chars`. Do NOT use the `len` function to solve the problem (if you use it while you are working on this problem, comment it out afterward!)

Save & Run | Load History | Show CodeLens

```
1
2 original_str = "The quick brown rhino jumped over the extremely lazy
3
4
5
```

Activity: 7.15.5 ActiveCode (assess_ps_02_05)

Question in Context (/runestone/books/published/fopp/Iteration/week2a2.html#assess_ps_02_05)

Score: 1.0 / 1

Comment: autograded

`addition_str` is a string with a list of numbers separated by the `+` sign. Write code that uses the accumulation pattern to take the sum of all of the numbers and assigns it to `sum_val` (an integer). (You should use the `.split("+")` function to split by `"+"` and `int()` to cast to an integer).

Save & Run | Load History | Show CodeLens

```
addition_str = "2+5+10+20"
```

Activity: 7.15.6 ActiveCode (assess_ps_02_07)

Question in Context (/runestone/books/published/fopp/Iteration/week2a2.html#assess_ps_02_07)

Score: 1.0 / 1

Comment: autograded

`week_temps_f` is a string with a list of fahrenheit temperatures separated by the `,` sign. Write code that uses the accumulation pattern to compute the **average** (sum divided by number of items) and assigns it to `avg_temp` . Do not hard code your answer (i.e., make your code compute both the sum or the number of items in `week_temps_f`) (You should use the `.split(",")` function to split by `","` and `float()` to cast to a float).

Save & Run | Load History | Show CodeLens

```
week_temps_f = "75.1,77.7,83.2,82.5,81.0,79.5,85.7"
```

Activity: 7.15.7 ActiveCode (assess_ps_02_08)

Question in Context (/runestone/books/published/fopp/Iteration/week2a2.html#assess_ps_02_08)

Score: 1.0 / 1

Comment: autograded

Write code to create a list of numbers from 0 to 67 and assign that list to the variable `nums`. Do not hard code the list.

Save & Run | Load History | Show CodeLens

```

```

Activity: 7.15.8 ActiveCode (assess_ps_02_09)

Question in Context (/runestone/books/published/fopp/Iteration/week2a2.html#assess_ps_02_09)

Score: 1.0 / 1

Comment: autograded

Write code to create a **list of word lengths** for the words in `original_str` using the accumulation pattern and assign the answer to a variable `num_words_list`. (You should use the `len` function).

Save & Run | Load History | Show CodeLens

```
original_str = "The quick brown rhino jumped over the extremely lazy 
```

```
4
5
```

Activity: 9.16.4.9 ActiveCode (assess_ps_02_06)

Question in Context (/runestone/books/published/fopp/TransformingSequences/week4a1.html#assess_ps_02_06)

Score: 1.0 / 1

Comment: autograded

Create an empty string and assign it to the variable `lett` . Then using range, write code such that when your code is run, `lett` has 7 b's (`"bbbbbbb"`).

Save & Run | Load History | Show CodeLens

```
1
2
```

Activity: 9.16.4.10 ActiveCode (assess_pc_02_10)

Question in Context (/runestone/books/published/fopp/TransformingSequences/week4a1.html#assess_pc_02_10)

Score: 0.0 / 0

Comment: autograded

Write a program that uses the turtle module **and** a for loop to draw something. It doesn't have to be complicated, but draw something different than we have done in the past. (Hint: if you are drawing something complicated, it could get tedious to watch it draw over and over. Try setting `.speed(10)` for the turtle to draw fast, or `.speed(0)` for it to draw super fast with no animation.)

Save & Run | Load History | Show CodeLens

```
1
2 import turtle
3
```

Activity: 7.15.4 ActiveCode (assess_ps_02_04)

Question in Context (/runestone/books/published/fopp/Iteration/week2a2.html#assess_ps_02_04)

Score Me