

course_1_assessment_7

Due: 2018-11-25 01:21:00

Description: Assessment for Way of Programmer Week 3.

Score: 5.0 of 5 = 100.0%

Questions

Score: 1.0 / 1

Comment: autograded

`rainfall_mi` is a string that contains the average number of inches of rainfall in Michigan for every month (in inches) with every month separated by a comma. Write code to compute the number of months that have more than 3 inches of rainfall. Store the result in the variable `num_rainy_months`. In other words, count the number of items with values `> 3.0`.

Hard-coded answers will receive no credit.

Save & Run

Load History

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```
1 rainfall_mi = "1.65, 1.46, 2.05, 3.03, 3.35, 3.46, 2.83, 3.23, 3.5, 2.52, 2.8, 1.85"  
2
```

ActiveCode (assess_ps3_1_1_1)

Score: 1.0 / 1

Comment: autograded

The variable `sentence` stores a string. Write code to determine how many words in `sentence` start and end with the same letter, including one-letter words. Store the result in the variable `same_letter_count`.

Hard-coded answers will receive no credit.

Save & Run

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```
1 sentence = "students flock to the arb for a variety of outdoor activities such as jogging"
2
3 # Write your code here.
4
5
6
```

ActiveCode (assess_ps3_1_1_2)

Score: 1.0 / 1

Comment: autograded

Write code to count the number of strings in list `items` that have the character `w` in it. Assign that number to the variable `acc_num`.

HINT 1: Use the accumulation pattern!

HINT 2: the `in` operator checks whether a substring is present in a string.

Hard-coded answers will receive no credit.

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```
1 items = ["whirring", "wow!", "calendar", "wry", "glass", "", "llama","tumultuous","owing"]
2
3
4
```

ActiveCode (assess_ps3_1_1_3)

Score: 1.0 / 1

Write code that counts the number of words in `sentence` that contain *either* an “a” or an “e”. Store the result in the variable `num_a_or_e`.

Note 1: be sure to not double-count words that contain both an a and an e.

HINT 1: Use the `in` operator.

HINT 2: You can either use `or` or `elif`.

Hard-coded answers will receive no credit.

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```
1 sentence = "python is a high level general purpose programming language that can be applie
```

```
2
```

```
3
```

```
4
```

ActiveCode (assess_ps3_1_1_4)

Score: 1.0 / 1

Comment: autograded

Write code that will count the number of vowels in the sentence `s` and assign the result to the variable `num_vowels`. For this problem, vowels are only a, e, i, o, and u. Hint: use the `in` operator with `vowels`.

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```
1 s = "singing in the rain and playing in the rain are two entirely different situations but
```

```
2 vowels = ['a','e','i','o','u']
```

```
3
```

```
4 # Write your code here.
```

```
5
```

```
6
```

```
7
```



ActiveCode (assess_ps3_1_1_5)

Score Me