Finger Exercises due Oct 27, 2022 07:30 +08 Completed

Exercise: hand

5.0/5.0 points (graded)

ESTIMATED TIME TO COMPLETE: 14 minutes

In this problem, you'll be asked to read through an object-oriented implementation of the hand from the word game problem of Problem Set 4. You'll then be asked to implement one of its methods. Note that the implementation of the object-oriented version of the hand is a bit different than how we did things with the functional implementation; pay close attention to doc strings and read through the implementation carefully.

To begin: Download hand.py and read through the file. Be sure to understand what's going on in the file. Make a few instances of the `Hand` class, and play around with the existing methods.

When you have completed reading through the file, implement the `update` method.

Paste the entire `Hand` class in the box below.

The `__str__` method is this:

```
    def __str__(self):
        '''
        Display a string representation of the hand.
        '''
        output = ''
        hand_keys = sorted(self.hand.keys())
        for letter in hand_keys:
            for j in range(self.hand[letter]):
                output += letter
        return output
```

Use this `__str__` method to ensure the grading of the hand's display is consistent.

```
1 class Hand(object):
2     def __init__(self, n):
3         '''
4         Initialize a Hand.
5 
6         n: integer, the size of the hand.
7         '''
```

```
8         assert type(n) == int
9         self.HAND_SIZE = n
10        self.VOWELS = 'aeiou'
11        self.CONSONANTS = 'bcdfghjklmnpqrstvwxyz'
12
13        # Deal a new hand
14        self.dealNewHand()
```

Press ESC then TAB or click outside of the code editor to exit

Correct

Test results

See full output

CORRECT

See full output

Note: Strings in the test cases in "See full output" are actually srings. When you test your code, they should be myHand.update('shoe') not myHand.update(shoe).

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? Code's output is exactly the same as the expected output yet grader indicates that solution is wrong — 2
Hello, My code doesn't pass yet I can't find any difference between my code's output and the c...

SPOILER: Why use new_hand (a copy)? — 3
The solution provided by the staff suggests to create a copy of the "hand" dictionary. Why wou...

? Confusing Statement — 3
I am unable to understand this could you please help? new_hand[letter] -= 1