MITx: 6.00.1x Introduction to Computer Science and Programming ...

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Exercise: hand

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Exercise: hand

5.0 points possible (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:

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

✏️

A more concise version of this code might be

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

Use whichever `__str__` method you like. This will make sure the grading of the hand's display is consistent.

```
1 # Paste the entire Hand class in this box
2
```

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

  Unanswered

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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