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Exercise: biggest

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5.0/5.0 points (graded)

ESTIMATED TIME TO COMPLETE: 7 minutes

Consider the following sequence of expressions:

```
animals = { 'a': ['aardvark'], 'b': ['baboon'], 'c': ['coati']}
animals['d'] = ['donkey']
animals['d'].append('dog')
animals['d'].append('dingo')
```

We want to write some simple procedures that work on dictionaries to return information.

This time, write a procedure, called biggest, which returns the key corresponding to the entry with the largest number of values associated with it. If there is more than one such entry, return any one of the matching keys.

Example usage:

```
>>> biggest(animals)
'd'
```

If there are no values in the dictionary, biggest should return None.

```
1 def biggest(aDict):
```

```
. . .
 3
      aDict: A dictionary, where all the values are lists.
 4
 5
      returns: The key with the largest number of values associated with it
 6
 7
      # Your Code Here
 8
      qtde, quem =0, ''
 9
      for valor in aDict:
10
           # print(valor, aDict[valor])
           if len(aDict[valor]) > qtde:
11
12
               qtde, quem = len(aDict[valor]), valor
13
               # print(qtde, aDict[valor])
14
      return quem
```

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

Correta

```
def biggest(aDict):
    aDict: A dictionary, where all the values are lists.
    returns: The key with the largest number of values associated with it
    result = None
    biggestValue = 0
    for key in aDict.keys():
        if len(aDict[key]) >= biggestValue:
            result = key
            biggestValue = len(aDict[key])
    return result
```

Test results

```
Hide output
CORRECT
           Test: biggest({'b': [1, 7, 5, 4, 3, 18, 10, 0], 'a': []})
           Output:
                  'b'
                                                                                       <u>Hide out</u>put
```

Important: If you are getting a message Incorrect: Something went wrong: tests don't match up. please click Check until you get a different error message or you get the green Correct. We apologize for the inconvenience.

Enviar

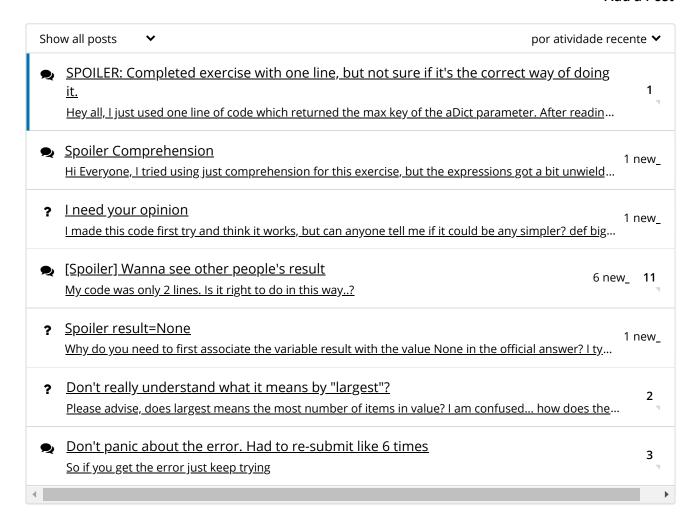
1 Answers are displayed within the problem

Exercise: biggest

Topic: Lecture 6 / Exercise: biggest

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