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Problem 3 - Valid Words

Problem 3 - Valid Words

0.0/10.0 points (graded)

At this point, we have written code to generate a random hand and display that hand to the user. We can also ask the user for a word (Python's input) and score the word (using your getWordScore). However, at this point we have not written any code to verify that a word given by a player obeys the rules of the game. A *valid* word is in the word list; **and** it is composed entirely of letters from the current hand. Implement the isValidWord function.

Testing: Make sure the <code>test_isValidWord</code> tests pass. In addition, you will want to test your implementation by calling it multiple times on the same hand - what should the correct behavior be? Additionally, the empty string ('') is not a valid word - if you code this function correctly, you shouldn't need an additional check for this condition.

Fill in the code for <code>isValidWord</code> in <code>ps4a.py</code> and be sure you've passed the appropriate tests in <code>test_ps4a.py</code> before pasting your function definition here.

```
1 def isValidWord(word, hand, wordList):
2    """
3    Returns True if word is in the wordList and is entirely
4    composed of letters in the hand. Otherwise, returns False.
5    Does not mutate hand or wordList.
7    word: string
9    hand: dictionary (string -> int)
```

```
wordList: list of lowercase strings

"""

12  # TO DO ... <-- Remove this comment when you code this function

13
```

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

Unanswered

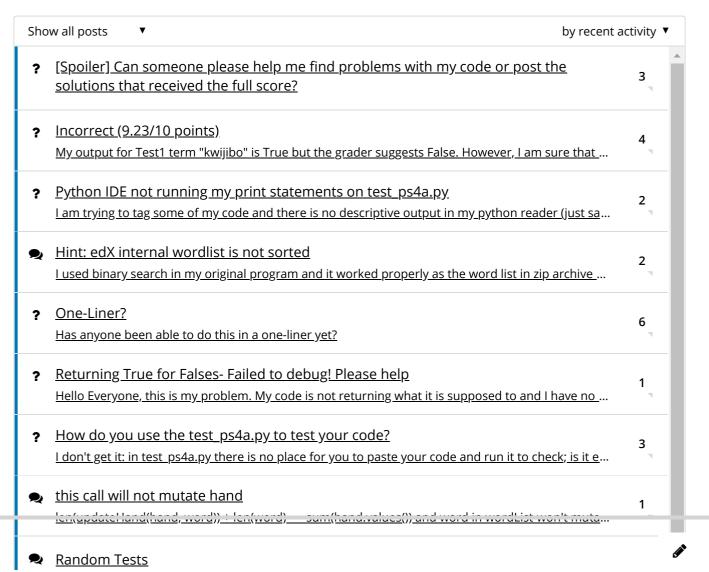
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You have used 0 of 30 attempts

Problem 3 - Valid Words

Hide Discussion

Topic: Problem Set 4 / Problem 3



	What does "Re-testing last test to see if you mutate the original hand" mean? Does it mean they di	2
2	kwyjibo! The first test word is from S01:E02 of the Simpsons ("Bart the Genius"). Hilarious! https://simpson	1
Q	Do not worry, I solved: Weird error, I made my code so long to check every line. Any hint? Testing this: Function call: isValidWord(rapture, {'u': 1, 'p': 2, 't': 1, 'e': 1, 'r': 1, 'a': 3}, <edx internal="" td="" w<=""><td>2</td></edx>	2
2	<u>Using updateHand function to solve</u> Why updateHand function is not allowed to be used to solve this problem? I was not mutating ha	2
2	Strange error in running test code.	2

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