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Problem 5 - Playing a Hand
Problem 5 - Playing a Hand

0.0/10.0 points (graded)
In `ps4a.py` , note that in the function `playHand` , there is a bunch of *pseudocode*. This pseudocode is provided to help guide you in writing your function. Check out the Why Pseudocode? resource to learn more about the What and Why of Pseudocode before you start coding your solution.

Note: Do **not** assume that there will always be 7 letters in a hand! The parameter `n` represents the size of the hand.

Testing: Before testing your code in the answer box, try out your implementation as if you were playing the game. Here is some example output of `playHand` :

Test Cases

Case #1

Function Call:

```
wordList = loadWords()
playHand({'h':1, 'i':1, 'c':1, 'z':1, 'm':2, 'a':1}, wordList, 7)
```

Output:

```
   Current Hand:  a c i h m m z
   Enter word, or a "." to indicate that you are finished: him
   "him" earned 24 points. Total: 24 points

   Current Hand:  a c m z
   Enter word, or a "." to indicate that you are finished: cam
   "cam" earned 21 points. Total: 45 points

   Current Hand:  z
   Enter word, or a "." to indicate that you are finished: .
   Goodbye! Total score: 45 points.
```

Case #2

Function Call:

```
wordList = loadWords()
playHand({'w':1, 's':1, 't':2, 'a':1, 'o':1, 'f':1}, wordList, 7)
```

Output:

```
   Current Hand:  a s t t w f o
   Enter word, or a "." to indicate that you are finished: tow
   "tow" earned 18 points. Total: 18 points

   Current Hand:  a s t f
   Enter word, or a "." to indicate that you are finished: tasf
   Invalid word, please try again.

   Current Hand:  a s t f
   Enter word, or a "." to indicate that you are finished: fast
   "fast" earned 28 points. Total: 46 points

   Run out of letters. Total score: 46 points.
```

Case #3

Function Call:

```
wordList = loadWords()
playHand({'n':1, 'e':1, 't':1, 'a':1, 'r':1, 'i':2}, wordList, 7)
```

Output:

```
    Current Hand: a r e t i i n
    Enter word, or a "." to indicate that you are finished: inertia
    "inertia" earned 99 points. Total: 99 points

    Run out of letters. Total score: 99 points.
```

Additional Testing

Be sure that, in addition to the listed tests, you test the same basic test conditions with varying values of n . n will never be smaller than the number of letters in the hand.

```
 1 def playHand(hand, wordList, n):
 2     """
 3     Allows the user to play the given hand, as follows:
 4
 5     * The hand is displayed.
 6     * The user may input a word or a single period (the string ".")
 7       to indicate they're done playing
 8     * Invalid words are rejected, and a message is displayed asking
 9       the user to choose another word until they enter a valid word or "."
10     * When a valid word is entered, it uses up letters from the hand.
11     * After every valid word: the score for that word is displayed,
12       the remaining letters in the hand are displayed, and the user
13       is asked to input another word.
14     * The sum of the word scores is displayed when the hand finishes.
15     * The hand finishes when there are no more unused letters or the user
16       inputs a "."
```

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

Unanswered

Note: Letters in the dictionary for the test cases in "See full output" are actually strings. When you test your code, they should be {"a": 1, "e" : 1,... } not {a: 1, e : 1,...}.

Submit   You have used 0 of 30 attempts

Problem 5 - Playing a Hand

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Its only 10:20 EST and the submit button is not showing?

Shutdown is supposed to be at 23.30 hrs yet the testing is shut down. Why? Just got home after a...

4

why the submit button isnt working?

i cant submit my answer although this problem time finishes at 2 and it is not 2 already

2

updateHand() broken?

I'm going nuts right now. The code works on my local machine but not/differently in the solver. It l...

5

2 repetitive errors: 1) Code called 'input' more times than necessary. 2) Expected to find number in the line (followed by error 1) again instead of the address for error 2)

The below statements are direct snapshots of what I am seeing in the output box. I have used the...

2

Confusing type error

When I call my isValidWord function outside of the playHand function it works just fine. But when ...

3

doubt

what is wrong if instead of using while calculateHandlen(hand)>0:, we use c=hand.values(), while ...

5

calling input more times than necessary?

Why does it keep saying I'm calling input more times than necessary? I only call on it once in my c...

1

Help, displayHand driving me crazy!

Hi all, I have two issues with the **displayHand(hand)** function. 1) First, I tried this: *print ("Curr...

4

Error: Your code called 'input' more times than necessary.

I keep on getting this message: "Error: Your code called 'input' more times than necessary." When ...

12

Cannot figure out how to utilize displayHand function properly.

I am getting completely hung up on this part of the problem because I cannot seem to start the pr...

11

SOLVED: Is 300+ Lines too much and inefficient

Correction: I used 63 lines with comments and 300 lines is integrated. Many thanks for your replie...

7

Two questions about the grader output

1) Why are the words in the "Correct output:" some times flanked by spaces? e.g.:" pear " earned ...

9

Not adding 50 points when the length of the input is 5!

Grader response: Function call: playHand({a: 1, h: 1, i: 1, r: 1})'<edX internal wordList>', 4 Test 1: U...

1