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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
```

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



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<div><div></div><div><u>please give me a answer!!</u></div><div>can anybody tell me the answer ??????????????I will give you \$10.</div></div>	2
<div><div></div><div><u>why is it invalid???</u></div><div>this is my code piece and it keeps saying invalid word while grader says that the word is valid ...</div></div>	2
<div><div></div><div><u>Are breaks no longer taboo?</u></div><div>When I first learned to code (admittedly a long time ago) breaks were considered a bad progr...</div></div>	2
<div><div></div><div><u>Recursion?</u></div><div>I thought about solving this problem recursively. Though I got stuck on my path because this ...</div></div>	9
<div><div></div><div><u>keep getting staff debug error</u></div><div>There was a problem running your solution (Staff debug: L379). We couldn't run your solutio...</div></div>	2
<div><div></div><div><u>Randomized Test failed. need help.</u></div><div>8.57/10 only failed at "Randomized Test". When I test with IDE playHand({a: 1, d: 1, e: 1, h: 1, ...</div></div>	5
<div><div></div><div><u>displayHand() issues</u></div><div>The fact that displayHand() doesn't return anything threw me off. The function outputs a **st...</div></div>	24



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