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P A I A A M : 10.0 P O I N T S

A game consists of playing multiple hands. We need to implement one final function to complete our word game program. Write the code that implements the `playGame` function. You should remove the code that is currently uncommented in the `playGame` body. Read through the specification and make sure you understand what this function accomplishes. For the game, you should use the `HAND_SIZE` constant to determine the number of cards in a hand.

Testing: Try out this implementation as if you were playing the game. Try out different values for `HAND_SIZE` with your program, and be sure that you can play the word game with different hand sizes by modifying *only the variable* `HAND_SIZE`.

Sample Output

Here is how the game output should look...

```
Loading word list from file...
83667 words loaded.
Enter n to deal a new hand, r to replay the last hand, or e to end game: r
You have not played a hand yet. Please play a new hand first!

Enter n to deal a new hand, r to replay the last hand, or e to end game: n
Current Hand: p z u t t o
Enter word, or a "." to indicate that you are finished: tot
"tot" earned 9 points. Total: 9 points

Current Hand: p z u t
Enter word, or a "." to indicate that you are finished: .
Goodbye! Total score: 9 points.

Enter n to deal a new hand, r to replay the last hand, or e to end game: r
Current Hand: p z u t t o
Enter word, or a "." to indicate that you are finished: top
"top" earned 15 points. Total: 15 points
```

cup earned 10 points. Total: 10 points

Current Hand: z u t t

Enter word, or a "." to indicate that you are finished: tu

Invalid word, please try again.

Current Hand: z u t t

Enter word, or a "." to indicate that you are finished: .

Goodbye! Total score: 15 points.

Enter n to deal a new hand, r to replay the last hand, or e to end game: n

Current Hand: a q w f f i p

Enter word, or a "." to indicate that you are finished: paw

"paw" earned 24 points. Total: 24 points

Current Hand: q f f i

Enter word, or a "." to indicate that you are finished: qi

"qi" earned 22 points. Total: 46 points

Current Hand: f f

Enter word, or a "." to indicate that you are finished: .

Goodbye! Total score: 46 points.

Enter n to deal a new hand, r to replay the last hand, or e to end game: n

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.

Enter n to deal a new hand, r to replay the last hand, or e to end game: x

Invalid command.

Enter n to deal a new hand, r to replay the last hand, or e to end game: e

modular and uses function calls to the `playHand` helper function! `playHand` be sure that your code is

You should also make calls to the `dealHand` helper function. You shouldn't make calls to any other helper function that we've written so far. In fact, this function can be written in about 15-20 lines of code.

Here is the above output, with the output from `playHand` obscured:

Loading word list from file...

83667 words loaded.

Enter n to deal a new hand, r to replay the last hand, or e to end game: r

You have not played a hand yet. Please play a new hand first!

Enter n to deal a new hand, r to replay the last hand, or e to end game: n

<call to playHand>

Enter n to deal a new hand, r to replay the last hand, or e to end game: n

<call to playHand>

Enter n to deal a new hand, r to replay the last hand, or e to end game: n

<call to playHand>

Enter n to deal a new hand, r to replay the last hand, or e to end game: x

Invalid command.

Enter n to deal a new hand, r to replay the last hand, or e to end game: e

`playHand` Deemulate the hand. Be sure you pass in a *copy of the hand* to

this function when you call it.

If you're not sure what this means, please review the Python docs on dictionaries

<http://docs.python.org/library/stdtypes.html#mapping-types-dict>. Specially of interest is the copy function.

```
1 def playGame(wordList):
2     """
3     Allow the user to play an arbitrary number of hands.
4
5     1) Asks the user to input 'n' or 'r' or 'e'.
6         * If the user inputs 'n', let the user play a new (random) hand.
7         * If the user inputs 'r', let the user play the last hand again.
8         * If the user inputs 'e', exit the game.
9         * If the user inputs anything else, tell them their input was invalid.
10
11     2) When done playing the hand, repeat from step 1
12     """
13     new={}
14     while True:
15         u=raw_input('Enter n to deal a new hand, r to replay the last hand, or e to end game: ')
16         if u not in 'nre':
17             print('Invalid command')
```

Test results

CORRECT

Check

Save

You have used 4 of 30 submissions

Show success

New Post

