Problem 7

1 point possible (ungraded)

Now that your computer can choose a word, you need to give the computer the option to play. Write the code that re-implements the `playGame` function. You will modify the function to behave as described below in the function's comments. As before, you should use the `HAND_SIZE` constant to determine the number of cards in a hand. Be sure to try out different values for `HAND_SIZE` with your program.

Sample Output and Hints

Here is how the game output should look...

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

Enter u to have yourself play, c to have the computer play: u

Current Hand: a s r e t t t
Enter word, or a "." to indicate that you are finished: tatters
"tatters" 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: r

Enter u to have yourself play, c to have the computer play: c

Current Hand:  a s r e t t t
"stretta" earned 99 points. Total: 99 points

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: n

Enter u to have yourself play, c to have the computer play: me
Invalid command.

Enter u to have yourself play, c to have the computer play: you
Invalid command.

Enter u to have yourself play, c to have the computer play: c

Current Hand:  a c e d x l n
"axled" earned 65 points. Total: 65 points

Current Hand:  c n
Total score: 65 points.

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

Enter u to have yourself play, c to have the computer play: u

Current Hand: a p y h h z o
Enter word, or a "." to indicate that you are finished: zap
"zap" earned 42 points. Total: 42 points

Current Hand: y h h o
Enter word, or a "." to indicate that you are finished: oy
"oy" earned 10 points. Total: 52 points

Current Hand: h h
Enter word, or a "." to indicate that you are finished: .
Goodbye! Total score: 52 points.

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

Enter u to have yourself play, c to have the computer play: c

Current Hand:  a p y h h z o
```

```
      "hypha" earned 80 points. Total: 80 points


   Current Hand:  z o
   Total score: 80 points.


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

Hints about the output

A Note On Runtime

Entering Your Code

```
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 'e', immediately exit the game.
7          * If the user inputs anything that's not 'n', 'r', or 'e', keep asking them again.
8
9      2) Asks the user to input a 'u' or a 'c'.
10          * If the user inputs anything that's not 'c' or 'u', keep asking them again.
11
12      3) Switch functionality based on the above choices:
13          * If the user inputted 'n', play a new (random) hand.
14          * Else, if the user inputted 'r', play the last hand again.
15            But if no hand was played, output "You have not played a hand yet.
16            Please play a new hand first!"
```

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

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