

## HANGMAN PART 1: IS THE WORD GUESSED? (5/5 points)

Please read the Hangman Introduction before starting this problem. The helper functions you will be creating in the next three exercises are simply suggestions, but you DO have to implement them if you want to get points for this Hangman Problem Set. If you'd prefer to structure your Hangman program in a different way, feel free to redo this Problem Set in a different way. However, if you're new to programming, or at a loss of how to construct this program, we strongly suggest that you implement the next three helper functions before continuing on to Hangman Part 2.

We'll start by writing 3 simple functions that will help us easily code the Hangman problem. First, implement the function `isWordGuessed` that takes in two parameters - a string, `secretWord`, and a list of letters, `lettersGuessed`. This function returns a boolean - True if `secretWord` has been guessed (ie, all the letters of `secretWord` are in `lettersGuessed`) and False otherwise.

Example Usage:

```
>>> secretWord = 'apple'
>>> lettersGuessed = ['e', 'i', 'k', 'p', 'r', 's']
>>> print isWordGuessed(secretWord, lettersGuessed)
False
```

For this function, you may assume that all the letters in `secretWord` and `lettersGuessed` are lowercase.

```
1 def isWordGuessed(secretWord, lettersGuessed):
2     '''
3     secretWord: string, the word the user is guessing
4     lettersGuessed: list, what letters have been guessed so far
5     returns: boolean, True if all the letters of secretWord are in lettersGuessed;
6         False otherwise
7     '''
8     # FILL IN YOUR CODE HERE...
9     newList = list(secretWord)
10    flag = 0
11    #print newList
12    for x in newList:
13        #print x
14        for y in lettersGuessed:
15            #print y
16            if x == y:
```

Correct

## Test results

Hide output

**CORRECT**

Test 1

Function call: isWordGuessed('apple', ['a', 'e', 'i', 'k', 'p', 'r', 's'])

**Output:**

False

Test 2

Function call: isWordGuessed('durian', ['h', 'a', 'c', 'd', 'i', 'm', 'n', 'r', 't', 'u'])

**Output:**

True

Random Test 1

Function call: isWordGuessed('lettuce', ['b', 'q', 'u', 'y', 'r', 't', 'a', 'j', 'v', 'm'])

**Output:**

False

Random Test 2

Function call: isWordGuessed('carrot', ['w', 'c', 'g', 'u', 'e', 'j', 'o', 't', 'f', 'y'])

**Output:**

False

Random Test 3

Function call: isWordGuessed('broccoli', [])

Output:

False

Random Test 4

Function call: isWordGuessed('grapefruit', ['z', 'x', 'q', 'g', 'r', 'a', 'p', 'e', 'f', 'r', 'u', 'i', 't'])

Output:

True

Hide output

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