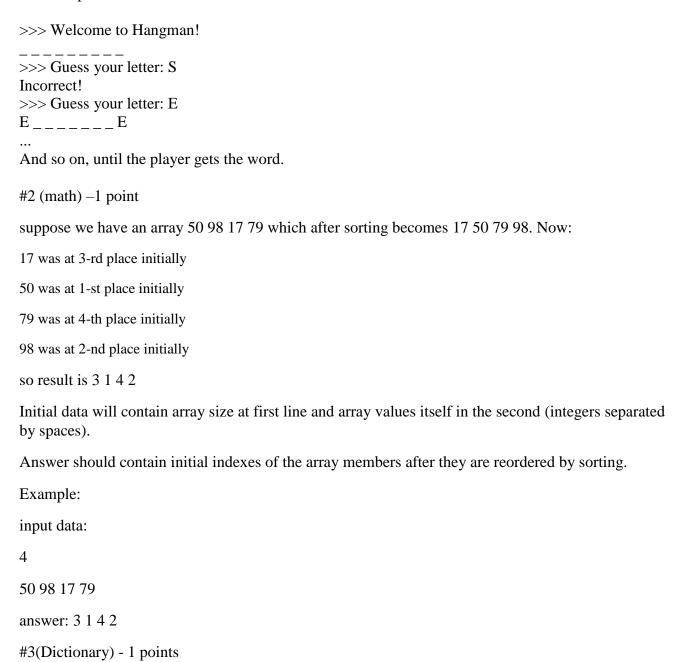
```
Quiz 1 var 2 - (5 \text{ points}) - 40 \text{min}
```

```
#1 (String) – 1.5 points
```

Hangman: Let's say the word the player has to guess is "EVAPORATE". For this exercise, write the logic that asks a player to guess a letter and displays letters in the clue word that were guessed correctly. For now, let the player guess an infinite number of times until they get the entire word. As a bonus, keep track of the letters the player guessed and display a different message if the player tries to guess that letter again. Remember to stop the game when all the letters have been guessed correctly! Don't worry about choosing a word randomly or keeping track of the number of guesses the player has remaining - we will deal with those in a future exercise.

An example interaction can look like this:



Dictionaries provide a convenient way to store structured data.

Here is an example dictionary:

d=[{'name':'Todd', 'phone':'555-1414', 'email':'todd@mail.net'}, {'name':'Helga', 'phone':'555-1618', 'email':'helga@mail.net'}, {'name':'Princess', 'phone':'555-3141', 'email':''}, {'name':'LJ', 'phone':'555-2718', 'email':'lj@mail.net'}]

Write a program that reads through any dictionary like this and prints the following:

- (a) All the users whose phone number ends in an 8
- (b) All the users that don't have an email address listed

## #4 (Input/Output from a file) -0.75 points

You are given a file called class\_scores.txt, where each line of the file contains a one word username and a test score separated by spaces, like below:

Anuar 83

Erasyl 86

Write code that scans through the file, adds 5 points to each test score, and outputs the usernames and new test scores to a new file, scores2.txt.

```
#5 (List) -0.5 points
```

Create a Python set such that it shows the element from both lists in a pair. Consider the case when the lists have different length.

Example:

```
first_list = [2, 3, 4, 5, 6, 7, 8]
second_list = [4, 9, 16, 25, 36, 49, 64]
Result is {(6, 36), (8, 64), (4, 16), (5, 25), (3, 9), (7, 49), (2, 4)}
```

```
\#6 \text{ (List + Dict)} - 0.25 \text{ points}
```

Iterate a given list and check if a given element exists as a key's value in a dictionary. If not, delete it from the list

## Example:

```
roll_number = [47, 64, 69, 37, 76, 83, 95, 97]
sample_dict = {'Jhon':47, 'Emma':69, 'Kelly':76, 'Jason':97}
After removing unwanted elements from list [47, 69, 76, 97]
```