

Assignment 1- Guessing Game

Write a python program that represents a simple guessing game of two rounds; the first one prompts the player to enter a secret word which is "KVector" and they have only 3 trials to be able to play the next round of the game in which the player is trying to guess a random number generated internally by the python interpreter, this number is placed between a lower bound and an upper bound, those two bounds are adjusted by the player.

When the player is able to guess the correct number, a list of their trials will appear on the console and it will ask the player if they want to continue to re-guess another number or to exit the game.

It is a mandatory for the player to enter the second round to enter the secret word correctly.

Make sure you use the string methods to handle the various input trials.

Deliverables:

- 1) Your .py file.
- 2) A PDF file containing screenshots of all the test cases you attempted.

Deadline:

11:59 PM on Sunday 11. Oct. 2020

Test Cases:

Here's the test cases you must attempt:

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\dell> & python "c:/Users/dell/OneDrive/Desktop/GuessingGame (1).py"
Enter your word: kvictor
Enter your word: vectork
Enter your word: k-vector
Oh! You lost
PS C:\Users\dell> █
```

Windows PowerShell

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Try the new cross-platform PowerShell <https://aka.ms/pscore6>

PS C:\Users\dell> & python "c:/Users/dell/OneDrive/Desktop/GuessingGame (1).py"

Enter your word: kvector

Congrats! You made it to the next stage!

Enter a lower bound to guess: 1

Enter an upper bound to guess: 59

Enter a number between 1 and 59: 37

You entered a too large number

Enter a number between 1 and 59: 25

You entered a too large number

Enter a number between 1 and 59: 13

You entered a too small number

Enter a number between 1 and 59: 20

You entered a too small number

Enter a number between 1 and 59: 22

You entered a too large number

Enter a number between 1 and 59: 21

Congrats! You guessed the right number after 6 times

Here's the list of your attempts

[37, 25, 13, 20, 22, 21]

Do you want to continue? y/n: n

Thanks for playing!

PS C:\Users\dell> █

```
Enter your word: KVECTOR
Congrats! You made it to the next stage!
Enter a lower bound to guess: 1
Enter an upper bound to guess: 14
Enter a number between 1 and 14: 9
You entered a too large number
Enter a number between 1 and 14: 5
Congrats! You guessed the right number after 2 times
Here's the list of your attempts
[9, 5]
Do you want to continue? y/n: y
Enter a lower bound to guess: 11
Enter an upper bound to guess: 48
Enter a number between 11 and 48: 25
You entered a too small number
Enter a number between 11 and 48: 36
You entered a too large number
Enter a number between 11 and 48: 30
You entered a too large number
Enter a number between 11 and 48: 27
Congrats! You guessed the right number after 4 times
Here's the list of your attempts
[25, 36, 30, 27]
Do you want to continue? y/n: n
Thanks for playing!
PS C:\Users\dell>
```

Activate Windows
Go to Settings to activate Windows.

```
Windows PowerShell
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```

```
Try the new cross-platform PowerShell https://aka.ms/pscore6
```

```
PS C:\Users\dell> & python "c:/Users/dell/OneDrive/Desktop/GuessingGame (1).py"
Enter your word: Kvector
Congrats! You made it to the next stage!
Enter a lower bound to guess: 12
Enter an upper bound to guess: 32
Enter a number between 12 and 32: 18
You entered a too large number
Enter a number between 12 and 32: 12
Congrats! You guessed the right number after 2 times
Here's the list of your attempts
[18, 12]
Do you want to continue? y/n: n
Thanks for playing!
PS C:\Users\dell> █
```

```
Windows PowerShell
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```

```
Try the new cross-platform PowerShell https://aka.ms/pscore6
```

```
PS C:\Users\dell> & python "c:/Users/dell/OneDrive/Desktop/GuessingGame (1).py"
Enter your word: kvector
Congrats! You made it to the next stage!
Enter a lower bound to guess: 14
Enter an upper bound to guess: 39
Enter a number between 14 and 39: KVECTOR
Please enter an integer number: 5
You entered an out of range number: 29
You entered a too small number
Enter a number between 14 and 39: 22
You entered a too small number
Enter a number between 14 and 39: 31
You entered a too small number
Enter a number between 14 and 39: 33
You entered a too small number
Enter a number between 14 and 39: 36
Congrats! You guessed the right number after 5 times
Here's the list of your attempts
[5, 22, 31, 33, 36]
Do you want to continue? y/n: n
Thanks for playing!
PS C:\Users\dell> █
```

```
Enter your word: Kvector
Congrats! You made it to the next stage!
Enter a lower bound to guess: 14
Enter an upper bound to guess: 35
Enter a number between 14 and 35: KVECTOR
Please enter an integer number: 11
You entered an out of range number: 15
You entered a too small number
Enter a number between 14 and 35: 22
You entered a too small number
Enter a number between 14 and 35: 27
You entered a too small number
Enter a number between 14 and 35: 30
You entered a too small number
Enter a number between 14 and 35: 32
You entered a too small number
Enter a number between 14 and 35: 35
You entered a too large number
Enter a number between 14 and 35: 34
You entered a too large number
Enter a number between 14 and 35: 33
Congrats! You guessed the right number after 8 times
Here's the list of your attempts
[11, 22, 27, 30, 32, 35, 34, 33]
Do you want to continue? y/n: n
Thanks for playing!
```