

NOTE :

Before solving assignment , Learn more about String slicing, multiple variables

Conditional statements to get good in Chapter 1 Python basics

Assignment 01

Qno1:

Search for underscore (`_`) and what is it's purpose in python.

Qno2:

Check the Output of the value and convert the result value into int

1: $2 + (5 - 2) / 6$

2: $4 / 5 + (10 - 3) / 6$

QNO3: Write a program to print to print out 50 even numbers.

Make 1 program with while loop and same with for loop.

QNO4: Write a program to find out if a number is prime number or not.

And make another to program to print out the prime numbers in a given range for instance: 0 to 100

INPUT:

start = 0

end = 100

OUTPUT:

2 3 5 7 11 97

QNO5: Write a loop that makes seven calls to print(), so we get on the output the following triangle:

```
#  
##  
###  
####  
#####  
#####  
#####
```

QNO6: Print the following pattern:

```
0 x 0 = 0  
1 x 1 = 1  
2 x 2 = 4  
3 x 3 = 9  
4 x 4 = 16  
5 x 5 = 25  
6 x 6 = 36  
7 x 7 = 49  
8 x 8 = 64  
9 x 9 = 81  
10 x 10 = 100
```

QNO7: Use for loop to iterate from 0 to 100 and print the sum of all evens and the sum of all odds.

The sum of all evens is 2550. And the sum of all odds is 250

QNO8. Write a Python program to find those numbers which are divisible by 7 and multiple of 5, between 1500 and 2700 (both included).

QNO9. Write a Python program to guess a number between 1 to 9. (read about random module how it is imported)

Note : User is prompted to enter a guess. If the user guesses wrong then the prompt appears again until the guess is correct, on successful guess, user will get a "Well guessed!" message, and the program will exit.

QNO10. Write a Python program to construct the following pattern, using a nested for loop. If possible use only two loops for this Pattern if you can.

```
*
* *
* * *
* * * *
* * * * *
* * * *
* * *
* *
*
```

QNO11: Write a fabonacci series if possible it should be 0 to 100

0 1 1 2 3 5 8 13 21.....