**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:

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**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.

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

0 1 1 2 3 5 8 13 21……