

Python Assignment - 6

Loops

1. Print First 10 natural numbers using while loop
2. Display -10 to -1 using for loop
3. Write a python program to print the factorial of a given number
4. Write a python program to print all prime numbers between 0 to 100 , and print how many prime numbers are there.
5. Print the following pattern :

```
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5
```

6. Accept n number from user and calculate the sum of all number between 1 and n including n
7. Given a number count the total number of digits in a number.
8. Write a Python program to create the multiplication table (from 1 to 10) of a number.

9 Reverse the following list using for loop

```
list1 = [10, 20, 30, 40, 50]
```

10. Write a Python program to construct the following pattern, using a nested for loop.

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

11. Write a Python program that accepts a string and calculate the number of digits and letters.

12. From a list containing ints, strings and floats, make three lists to store them separately.