**Python Lab 2**

1. Python Program to count the number of characters in a given string.
2. Python Program to count the number of vowels in a given string
3. Given two numbers, write a Python code to find the Maximum of two numbers (taken from user).

***Input: a = 2, b = 4***

***Output: 4***

1. Write a program to find factorial of a number using Iteration.
2. Write a program to find factorial of a number using Recursion.
3. Write a program to print the ASCI value of all the characters in a string.

*Hint: ord() is used to find the ASCI value of a character*

1. Write a python program for Simple Calculator having following:

Select operation.

1. Add

2. Subtract

3. Multiply

4. Divide

5. Exit

1. Create a function with TWO arguments (one of them is the default argument), and call the function.
2. Write a Python program that calculates the sum of even and odd numbers separately within a given range. Implement a function that takes the range as input and returns the sum of even and odd numbers within that range.
3. Write a Python program to generate the multiplication table for a given number. Implement a function that takes the number as input and prints its multiplication table up to a certain range (e.g., up to 10).
4. Write a python program to check whether a given integer is palindrome or not.