**Lab Exercise – 1**

Q1: Write a Python program which accept the radius of a circle from the user and compute the area. ✅

Sample Output :   
r = 1.1  
Area = 3.8013271108436504

Q2: Temperature of a city in Fahrenheit degrees is input through the keyboard. Write a program to convert this temperature into Centigrade degrees. ✅

Q3: Write a Python Program to make a simple calculator that can add, subtract, multiply and divide ✅

Q4: Write a Python Program to calculate the square root✅

Q5: Write a Python Program to Solve the quadratic equation ax\*\*2 + bx + c = 0

# Coeffients a, b and c are provided by the user

[Hint: import complex math module - import cmath]

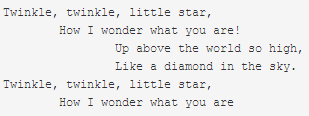
✅

Q6: Write a Python Program to find the area of triangle✅

# Three sides of the triangle a, b and c are provided by the user

Q7: If a five-digit number is input through the keyboard, write a program to calculate the sum of its digits without using any loop. (Hint: Use the modulus operator ‘%’) ✅

Q8: Write a Python program to print the following string in a specific format✅



Q9: Write a Python program to display your details like name, age, and address in three different lines. ✅

Q10.Create a string containing both a single quote and double quote ✅

Q11.Create a triple quoted string that contains single and double quotes. ✅

Q12.Create a character, then obtain its integer representation. ✅

Q13.Create a single string containing 5 copies of the string 'abc'. ✅

Q14.Use the multiplication operator to create a "line" of 50 dashes. ✅

Q15.Convert a string to all upper case. ✅

Q16 : Write a Python program to get a string made of the first 2 and the last 2 chars from a given a string. ✅

Q17: a Python program to get a string from a given string where all occurrences of its first char have been changed to '$', except the first char itself. ✅

Sample String : 'restart'  
Expected Result : 'resta$t'

Q18: Write a Python program to get a single string from two given strings, separated by a space and swap the first two characters of each string. ✅

Sample String : 'abc', 'xyz'   
Expected Result : 'xyc abz'