**Programming Lab Assignment- September 18, 2023.**

1- Given a n digit integer, print the sum of its digits.

**Sample Input:** 10564

**Sample Output:** 16

2- Write a program in C language to print the factorial of a number.

3-Write a program to receive an integer & find its octal equivalent.

4- Write a program to enter the numbers till the user wants and at the end it should display the count of positive, negative and zeros entered.

5- Write a C program to print the pattern below:

\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*

\*\*\*\*\*

\*\*\*

\*

\*\*\*

\*\*\*\*\*

\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*

6- Write a C program to input a number from user and find Prime factors of the given number using loop.