

## Lab Sheet 4

### Objective(s):

To understand the programming using Loop & nested loop Statements (for, while, do-while)

### Problems:

1. Write a program to find the factorial of a given number.
2. Write a program to find the sum of digits of a given number.
3. Write a program to find the reverse of a given number.
4. Write a program to find whether given number is palindrome or not.
5. Write a program to check whether given number is prime or not.
6. Write a program to find gcd of two numbers.
7. Write a program to display the first 'n' terms of Fibonacci series.
8. Write a program to generate multiplication table up to number 'n' entered by user as:

$1 \times 1 = 1$

$1 \times 2 = 2 \quad \dots$

$1 \times 10 = 10$