# Lab 6: Functions call by reference and Recursive Functions

## Objectives:

To understand the programming of recursive functions

To understand function programming, its types and function-call

## Tasks:

1. Print 1 to 100 in C++ using recursion.
2. Calculate the sum of odd natural numbers 1+3+5+7+……………. .+n using while loop. Take n as input from user.
3. Write a program to swap value of two variables using function.
4. Write a function to find Sum of N natural numbers using Recursion.
5. Write a C++ Program to Find Factorial of a Number Using Recursion.
6. C++ Program to Find G.C.D Using Recursion.
7. C++ program to print fibonacci series using recursion.
8. C++ program to calculate power of a number using recursion.