**Lab Activity-18:**

1. Write a C program to implement an iterative and recursive function **GCD** that accepts two numbers and returns the gcd (Greatest Common Divisor) of two numbers accepted in the main program.

**For Example: GCD(12,38) 🡺 2**

**GCD(13,45) 🡺 1**

1. Write a C Program to find the number of right shifts performed on a positive number N accepted from the user.
2. Write a C program to implement an iterative and recursive function to compute thefollowing series by accepting the value of N and printing the final computed value by the function in calling program.

**12 - 22 + 32 – 42 + .......N2**

\***Note: Document at least three test cases to test the inputs by giving it to each of above listed**

**programs.**