

**JAVA Lab**  
**Lab Experiment No \_\_\_\_**

Roll No.\_\_\_\_ Batch\_\_\_\_\_

**Aim:** Write a menu driven program to implement recursive Functions for following tasks:

- a) To find GCD and LCM
- b) To print n Fibonacci numbers
- c) To find reverse of number
- d) To solve  $1 + 2 + 3 + 4 + \dots + (n-1) + n$

**Theory:**

- 1. What is recursion?
- 2. Difference between iteration and recursion.
- 3. Example of recursion.
- 4. Advantages and disadvantages of recursion.

**Program:** code

**Output:** Snapshot of output (please take output with minimum two possible input