

**CS3101 - COMPUTATIONAL THINKING LAB**

**BATCH – Q**

**WEEK 4 – 12.10.2023**

**EXECUTION & SPOT QUESTIONS**

1. Write an algorithm and Design a flowchart for checking whether the number is positive or negative according to the number entered by the user.
2. Write an algorithm and flowchart to find the largest among the three different numbers and print the values of largest number.
3. Convert the following algorithm to a flow chart.
  - Step 1: Start
  - Step 2: Input the value Principle, Rate & no. of years as p, r, & n
  - Step 3: Simple Interest (SI) =  $(p * r * n) / 100$
  - Step 4: Display SI
  - Step 5: Stop
4. Write an algorithm and draw a flowchart to find the factorial of a given number in an iterative manner.