**Assignment 1**

**Oate:** 07.09.2022

Submission **date:** 12.09.2022

Write Algorithm & Flowchart for the following programs.

1. Check if the given number is EVEN or ODD.
2. Write a Java Program to find the Factorial of a given number.
3. Find the Factorial of a number using Recursion.
4. Swap two numbers w·ithout using the third variable approach.
5. How to check whether the given number is Positive or Negative in Java?
6. Write a Java Program to find whether a given number is Leap year or NOT.
7. Write a Java Program to Print 1To 10 Without Using Loop.
8. Write a Java Program to print the digits of a Given Number.
9. Write a Java Program to print all the Factors of the Given number. 10. Wr ite a Java Program to find the sum of the digits of a given number. 11. Write a Java Program to find the smallest of 3 numbers (a,b,c)

12. How to add two numbers without using the arithmetic operators in Java? 13.Write a java program to Reverse a given number.

14. Write a Java Program to find the GCD of two given numbers. 15. Write a java program to LCM of TWO given numbers.

16. Write a java program to LCM of TWO given numbers using the Prime Factors method.

17. Check whether the Given Number is a Palindrome or NOT.

18. Write a Java Program to print all the Prime Factors of the Given Number.

# To print the follo,ving series EVEN number Series 2 4 6 8 l0 12 14 16 .....

1. To print the following series ODD nun1ber Series J 3 *5* 7 9 J I 13...