# GLS UNIVERSITY

## IMSCIT SEM IV

### 221601405 PRACTICALS ON CORE JAVA

### UNIT -1

**Note: All example must be performed in a seprate method or function.**

1. Perform all the arithmatic operations using all four types of functions and display the same.

2. Write a Java program that will convert the given temperature in fahrenheit to celcius using the formula C=(F-32)/1.8

3. Write a Java program to calculate gross salary and net salary of an employee.

   Gross salary = Hourly rate * total number of hours worked

   Net salary = gross salary - tax (7.5%)

   Take values from users using Scanner class.

4. Write a Java Program that will accept a number from the user and calculate its square and cube and display the same.

5. Write a Java Program to find area of a circle.

6. Write a Java Program that take user Year as input from user making use of JoptionPane class and check whether its leap year or not.

7. Write a Java Program that take one number from user making use of JoptionPane class, pass it to the parameterised Constructor and check whether its Odd number or Even number.

8. Write a Java Program that will ask the user to input one number and check whether its prime number or not using Constructor.

9. Write a Java Program that calculate area of triangle using Constructor. Also find area of rectangle using Constructor Overloading.

10. Write a Java program that will convert length in feet to centimeters using copy constructor. And print both the values. [before conversion and after conversion]

11. Write a Java program to enter two numbers and find the smallest out of them. Use conditional operator.

12. Write a Java Program to Find the Largest Number Among three Numbers Entered by User using nested if-else and if-else ladder.
13. Write a program to display the grade according to the marks entered by the user using else-if ladder.
14. Write a Java Program to Check Whether a Number is Palindrome or Not
15. Write a Java program to reverse a number.
16. Write a Java program to display all even numbers from 1 to 100 using for-loop.
17. Write a Java Program to display all prime odd numbers from 50 to 100.