# Assignment No: 08

Any application defining scope of Formal parameter, Global parameter, Local parameter accessing mechanism and also relevance to private, public and protected access. Write a Java program which demonstrates the scope rules of the programming mechanism.

**Program:**

import java.util.Scanner; public class Calculator{ public static int number1, number2; public static void main(String[] args) {

char operator; int result;

Scanner input = new Scanner(System.in);

System.out.println("Choose an operator: +, -, \*, or /"); operator = input.next().charAt(0);

System.out.println("Enter first number");

number1 = input.nextInt();

System.out.println("Enter second number"); number2 = input.nextInt();

switch(operator) {

case '+':

result = number1 + number2;

System.out.println(number1 + " + " + number2 + " = " + result);

break;

case '-':

result = number1 - number2;

System.out.println(number1 + " - " + number2 + " = " + result);

break;

case '\*':

result = number1 \* number2;

System.out.println(number1 + " \* " + number2 + " = " + result);

break;

case '/':

result = number1 / number2;

System.out.println(number1 + " / " + number2 + " = " + result);

break;

default:

System.out.println("Invalid operator!"); break; } input.close();

}

}

**Output:**

