**Assignment 1:**

1. Write a simple program which accepts 4 values for the variables, use Logical operators to print their results and arithmetic operators for addition subtraction, multiplication and the division with their respective results each on new line.

**Source Code:**

**import java.util.Scanner;**

**class Operations{**

**// Add 4 variables and print their results**

**public static void add(int a, int b, int c, int d){**

**System.out.println("Addition of " + a + " + " + b + " + " + c + " + " + d + " = " + (a + b + c + d));**

**}**

**// Subtract 4 variables and print their results**

**public static void subtract(int a, int b, int c, int d){**

**System.out.println("Subtraction of " + a + " - " + b + " - " + c + " - " + d + " = " + (a - b - c - d));**

**}**

**// Multiply 4 variables and print their results**

**public static void multiply(int a, int b, int c, int d){**

**System.out.println("Multiplication of " + a + " \* " + b + " \* " + c + " \* " + d + " = " + (a \* b \* c \* d));**

**}**

**// Divide 4 variables and print their results**

**public static void divide(int a, int b, int c, int d){**

**System.out.println("Division of " + a + " / " + b + " / " + c + " / " + d + " = " + (a / b / c / d));**

**}**

**public static void main(String[] args) {**

**Scanner sc = new Scanner(System.in);**

**int num1, num2, num3, num4;**

**System.out.println("Enter 4 numbers: ");**

**num1 = sc.nextInt();**

**num2 = sc.nextInt();**

**num3 = sc.nextInt();**

**num4 = sc.nextInt();**

**sc.close();**

**add(num1, num2, num3, num4);**

**subtract(num1, num2, num3, num4);**

**multiply(num1, num2, num3, num4);**

**divide(num1, num2, num3, num4);**

**}**

**}**

**Output:**

Enter 4 numbers:

5 6 8 4

**Addition** of 5 + 6 + 8 + 4 = 23

Subtraction of 5 - 6 - 8 - 4 = -13

Multiplication of 5 \* 6 \* 8 \* 4 = 960

Division of 5 / 6 / 8 / 4 = 0