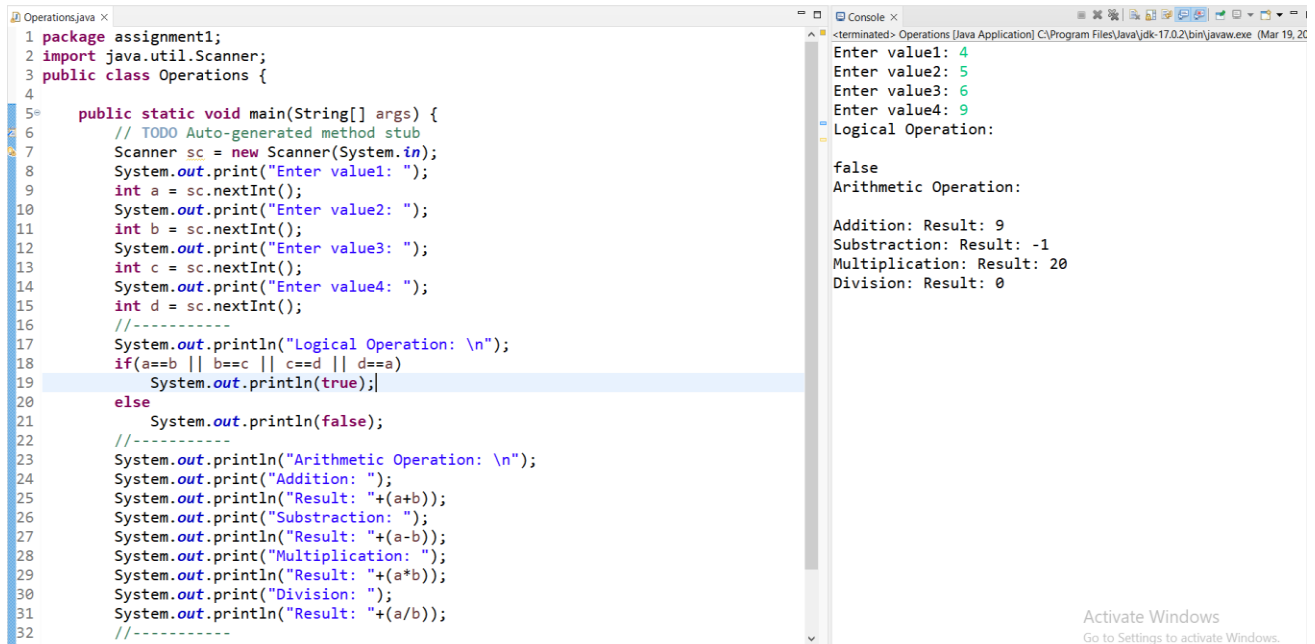


# Assignment 1

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.



The screenshot shows a Java IDE with two panes. The left pane displays the source code for a Java application named 'Operations.java'. The code defines a 'main' method that prompts the user for four integer values (a, b, c, d). It then performs logical operations (checking if a==b, b==c, c==d, or d==a) and arithmetic operations (addition, subtraction, multiplication, and division) on these values. The right pane shows the console output, which displays the user's input and the results of the operations.

```
1 package assignment1;
2 import java.util.Scanner;
3 public class Operations {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7         Scanner sc = new Scanner(System.in);
8         System.out.print("Enter value1: ");
9         int a = sc.nextInt();
10        System.out.print("Enter value2: ");
11        int b = sc.nextInt();
12        System.out.print("Enter value3: ");
13        int c = sc.nextInt();
14        System.out.print("Enter value4: ");
15        int d = sc.nextInt();
16        //-----
17        System.out.println("Logical Operation: \n");
18        if(a==b || b==c || c==d || d==a)
19            System.out.println(true);
20        else
21            System.out.println(false);
22        //-----
23        System.out.println("Arithmetic Operation: \n");
24        System.out.print("Addition: ");
25        System.out.println("Result: "+(a+b));
26        System.out.print("Substraction: ");
27        System.out.println("Result: "+(a-b));
28        System.out.print("Multiplication: ");
29        System.out.println("Result: "+(a*b));
30        System.out.print("Division: ");
31        System.out.println("Result: "+(a/b));
32        //-----
33    }
```

Console Output:

```
<terminated> Operations [Java Application] C:\Program Files\Java\jdk-17.0.2\bin\javaw.exe (Mar 19, 2023)
Enter value1: 4
Enter value2: 5
Enter value3: 6
Enter value4: 9
Logical Operation:
false
Arithmetic Operation:
Addition: Result: 9
Substraction: Result: -1
Multiplication: Result: 20
Division: Result: 0
```

Activate Windows  
Go to Settings to activate Windows.