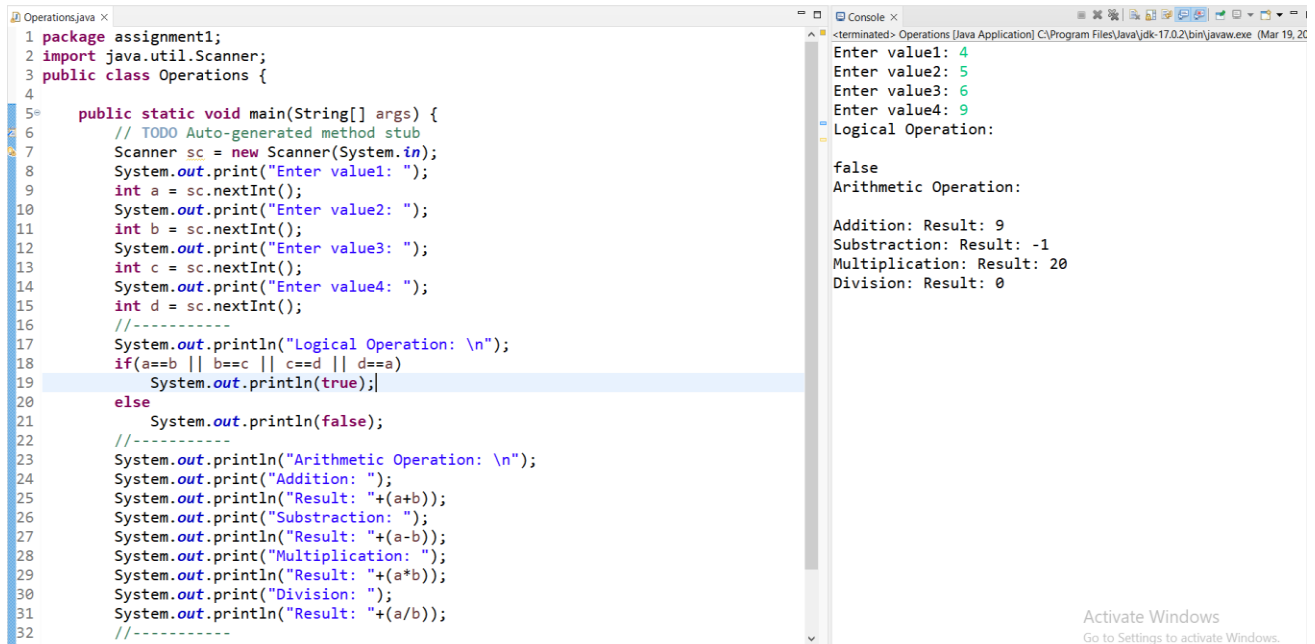# Assignment 1

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.

```java
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     //-----------
```

Console output:

```
<terminated> Operations [Java Application] C:\Program Files\Java\jdk-17.0.2\bin\javaw.exe (Mar 19, 20
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
```

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