

**S.No: 1**Exp. Name: **sample programs on operator precedence and associativity****Date:****Aim:**

Write a java program to demonstrate operator precedence and associativity

**Source Code:**

OperatorPrecedence.java

```
import java.util.Scanner;
class OperatorPrecedence{
    public static void main(String[] args) {
        int x,result;
        System.out.print("Enter a num: ");
        Scanner sc=new Scanner(System.in);
        x=sc.nextInt();
        result=x++ + x++ * --x/x++ - --x +3>>1|2;
        System.out.println("The operation going is x++ + x++ * --x / x++ - --x + 3 >> 1 | 2");
        System.out.println("result = "+result);
    }
}
```

**Execution Results** - All test cases have succeeded!**Test Case - 1****User Output**

Enter a num: 4

The operation going is x++ + x++ \* --x / x++ - --x + 3 &gt;&gt; 1 | 2

result = 3

**Test Case - 2****User Output**

Enter a num: -3

The operation going is x++ + x++ \* --x / x++ - --x + 3 &gt;&gt; 1 | 2

result = 2