| S.No: 1 | Exp. Name: *sample programs on operator precedence and associativity* | Date:2023-09-09 |

Aim:

Write a java program to demonstrate operator precedence and associativity

Source Code:

OperatorPrecedence.java

```java
import java.util.Scanner;
class OperatorPrecedence{
    public static void main(String args[]){
        System.out.print("Enter a num: ");
        Scanner sc = new Scanner(System.in);
        int x = sc.nextInt();
        int 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 >> 1 | 2
result = 3

Test Case - 2
User Output
Enter a num: -3
The operation going is x++ + x++ * --x / x++ - --x + 3 >> 1 | 2
result = 2