



```
1 import java.util.*;
2 public class UnaryOperators {
3     public static void main(String[]
        args)
4     {
5         Scanner sc = new Scanner(System.in
        );
6         int num = 10;
7         int result = +num;
8         System.out.println( "unary plus is:
        "
9         + result);
10        result = -num;
11        System.out.println("unary minus is
        : "
12        + result);
13        result = ++num;
14        System.out.println("pre-increment
        is: "
15        + result);
16        result = num++;
17        System.out.println("post-increment
        is: "
18        + result);
19        result = --num;
20        System.out.println(
21        " pre-decrement is: "
22        + result);
23        result = num--;
24        System.out.println(
25        "post-decrement is: "
26        + result);
27
28    }
29 }
```



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Main.java

Output



```
1 import java.util.Scanner;
2 public class ArithmeticOperation {
3     public static void main(String[]
        args) {
4         Scanner sc = new Scanner(System.in
        );
5         System.out.println("Enter numbers
        :");
6         int num1 = sc.nextInt();
7         int num2 = sc.nextInt();
8         int sum = num1 + num2;
9         int sub = num1 - num2;
10        int mult = num1 * num2;
11        int div = num1 / num2;
12        System.out.println("addition is: "
        + sum);
13        System.out.println("subtraction is:
        " + sub);
14        System.out.println("multiplication
        is: " + mult);
15        System.out.println("division is: "
        + div);
16    }
17 }
```

Run



```
1 import java.io.*;
2
3
4 class Logical {
5
6     public static void main
7         (String[] args)
8     {
9         int a = 10, b = 20, c = 20,d=0;;
10        System.out.println( + a);
11
12        System.out.println(+ b);
13
14        System.out.println( + c);
15        if ((a < b) && (b == c)) {
16
17            d = a + b + c;
18            System.out.println("The sum is: "
19                + d);
20
21        }
22        else
23            System.out.println("False
24                conditions");
25
26        if (a > b || c == d)
27            System.out.println(
28
29                "One or both + the
30                    conditions are
31                        true");
32        else
33            System.out.println(
34
35                "Both the +
36                    conditions are
37                        false");
38
39        int l= 10, m= 1;
40        System.out.println("Var1 = " + l);
41
42        System.out.println("Var2 =
43            " + m);
44
45        System.out.println("!(l < m) = " +
46            !(l < m));
47        System.out.println("!(l > m) = " + !
48            (l > m));
49    }
```



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Main.java

Output



```
1 import java.io.*;
2
3
4 class Assignment {
5
6     public static void main
7         (String[] args)
8     {
9         int num;
10        num = 10;
11        System.out.println("num is assigned
12            : " + num);
13        int a=10, b=20;
14        System.out.println("num1 = " + a);
15        System.out.println("num2 = " + b);
16        a+=b;
17        a-=b;
18        a*=b;
19        a/=b;
20        a%=b;
21        System.out.println("num1 = " + a);
22
23    }
24 }
```

Run



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Main.java

Output



```
1
2 public class bitwise {
3
4     public static void main
        (String[] args)
5
6     {
7         int a = 5;
8
9         int b = 7;
10        System.out.println("a&b = " + (a &
            b));
11        System.out.println("a|b = " + (a |
            b));
12        System.out.println("a^b = " + (a
            ^ b));
13        System.out.println("~a = "
            + ~a);
14        a &= b;
15
16        System.out.println("a= " +
            a);
17
18    }
19 }
```

Run





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Main.java

Output



```
2 import java.io.*;
3
4
5 class Ternary {
6
7     public static void main
        (String[] args)
8
9     {
10
11
12     int n1 = 5, n2 = 10, max;
13
14
15         System.out.println("First
            num: " + n1);
16
17         System.out.println("Second
            num: " + n2);
18
19     max = (n1 > n2) ? n1 : n2;
20     System.out.println("Maximum is =
        " + max);
21
22     }
23 }
```

Run