```java
import java.util.*;
public class UnaryOperators {
    public static void main
        (String[] args)
    {
        Scanner sc=new Scanner
            (System.in);
        int num=20;
        int result= +num;
        System.out.println("unary
            plus is:"
        +result);
        result=-num;
        System.out.println("unary
            minus is:"
        +result);
        result = ++num;
        System.out.println("pre
            -increment is:"
        +result);
        result = num++;
       System.out.println("post
           -increment is:"
        +result);
        result = --num;
         System.out.println("pre
             -decrement is:"
        +result);
        result = num--;
         System.out.println("post
             -decrement is:"
        +result);
    }
}
```

```java
import java.util.Scanner;
public class arithmeticOperators {
    public static void main
        (String[] args)
    {
        Scanner sc=new Scanner
            (System.in);
        System.out.println("Enter
            numbers:");
        int num1=sc.nextInt();
        int num2=sc.nextInt();
        int sum=num1 + num2;
        int sub=num1 - num2;
        int mult=num1 * num2;
        int div = num1 / num2;
        System.out.println
            ("addition is:"+sum);
        System.out.println
            ("substraction is:"+sub
            );
        System.out.println
            ("multiplication  is:"
            +mult);
        System.out.println
            ("division is:"+div);
    }
}
```

```java
import java.io.*;
class Logical {
    public static void main(String
        args[])
    {
        int a=10, b=20, c=20, d=0;
        System.out.println( + a);
        System.out.println(+ b);
        System.out.println(+ c);
        if ((a < b)&& (b==c)) {
            d = a + b + c;
            System.out.println("The
                sum is:" +d);

        }
        else
        System.out.println("False
            conditions");

        if(a > b || c == d)
        System.out.println("one or
            both + condition are
            true");
        else
        System.out.println("Both
            the + conditon are
            false");


        int x=10,y=1;
        System.out.println("Var1 =
            "+ x);
        System.out.println("var2 =
            " + y);
        System.out.println("!(x<y
            )="+!(x <y));
        System.out.println("!(x>y
            )="+!(x >y));
    }
}
```

```java
import java.io.*;

class Assignment {
    public static void main(String
        args[])
    {
        int num;
        num=20;
        System.out.println("num is
            assigned:" +num);
        int a=10,b=20;
        System.out.println("num1 ="
            +a);
        System.out.println("num2 ="
            +b);
        a+=b;
        a-=b;
        a*=b;
        a/=b;
        a%=b;
        System.out.println("num1 ="
            +a);
    }
}
```

```java
public class bitwise {
    public static void main(String
        args[])
    {
        int a=5;
        int b=2;
        System.out.println("a&b ="
            +(a & b));
        System.out.println("a|b ="
            +(a | b));
        System.out.println("a^ b ="
            + (a ^ b));
        System.out.println("~a = "+
            ~a);
           a &= b;
        System.out.println("a= " +
            a);
    }
}
```