package Developer;

public class Operators {

public static void main(String[] args) {

**// 1) Arithmetic operators + - \* / %**

int a=20,b=10;

System.out.println("Sum is :"+(a+b));

System.out.println("Diff is :"+(a-b));

System.out.println("Multiplication is :"+(a\*b));

System.out.println("Division is :"+(a/b));

System.out.println("Mod is :"+(a%b));

**// 2) Relational/comparison operators > >= < <= != ==**

// returns boolean value - true/false

System.out.println(a>b); // true

System.out.println(a<b); // false

System.out.println(a>=b); // true

System.out.println(a<=b); // false

System.out.println(a!=b); // true

System.out.println(a==b); // false

**// 3) Logical Operators && || !**

// returns boolean value - true/false

boolean x=true;

boolean y=false;

System.out.println(x && y); // false

System.out.println(x || y); // true

System.out.println(!x); // false

System.out.println(!y); // true

**// 4) increment/decrement operators ++ --**

// case 1 ++ operator

int i=10;

System.out.println(i);

i++;

System.out.println(i); //11

// case 2 post increment

i=20;

int res=i++;

System.out.println(res); //20

System.out.println(i); //21

// case3 pre increment

i=15;

res = ++i;

System.out.println(res); //16

// case1 -- decrement

int j=10;

System.out.println(j);

j--;

System.out.println(j); //9

// case2 post decrement

j=20;

int result =j--;

System.out.println(result); //20

System.out.println(j); //19

// case3 pre decrement

j = 15;

result = --j;

System.out.println(result); // 14

**// 5) Assignment Operators = += -= \*= /= %=**

int m=10,n=20,p=30,q=40,r=50;

m+=5; // m = m+5

n-=5; // n = n-5

p\*=5; // p = p\*5

q/=5; // q = q/5

r%=5; // r = r%5

System.out.println(m); // 15

System.out.println(n); // 15

System.out.println(p); // 150

System.out.println(q); // 8

System.out.println(r); // 0

**// 6) Ternary Operator ?**

// var= exp ? result1 : result2 ;

int c = 200, d = 100;

int z = (c>d) ? c : d;

System.out.println(z);

z = (c<d) ? c : d;

System.out.println(z);

}

}