```
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);


        }


}
```