***OPERATORS***

**SOURCE CODE:**

package variable;

public class arithmetic {

public static void main(String[]args)

{

//Arithmetic Operators

int a=99,b=22;

int c=a+b;

int d=a-b;

int e=a\*b;

int f=a/b;

int g=a%b;

System.out.println("The Addition of given number is "+c);

System.out.println("The Subtraction of given number is "+d);

System.out.println("The Multiplication of given number is "+e);

System.out.println("The Division of given number is "+f);

System.out.println("The Modulus of given number is "+g);

//Assignment Operator

int x=5,y=6;

x+=3;

System.out.println(x);

x-=3;

System.out.println(x);

x\*=3;

System.out.println(x);

y/=2;

System.out.println(y);

x%=2;

System.out.println(x);

//Comparison Operator

System.out.println(x>y);//This returns only true or false

System.out.println(x!=y);

System.out.println(x==y);

System.out.println(x<y);

//Logical Operator

System.out.println(x==y && x>y);//Returns false because "&(AND)" operator returns true only when both the statements are true

System.out.println(x<y || x>y);//Returns true because "|(OR)" operator returns true when any one of the statements is true

System.out.println(!(x<y && x==y));//Here the result is false but "!(NOT)" operator returns the result in reverse i.e,true means false and false means true

//Increment or Decrement Operator

int z=5;

z=++z;

System.out.println(z);

z=--z;

System.out.println(z);

}

}

**OUTPUT:**

The Addition of given number is 121

The Subtraction of given number is 77

The Multiplication of given number is 2178

The Division of given number is 4

The Modulus of given number is 11

8

5

15

3

1

false

true

false

true

false

true

true

6

5