**OPERATORS**

* INCREMENT/DECREMENT OPERATORS => ++ , --
* ARITHMETIC OPERATORS => + , - , \* , /
* RELATIONAL OPERATORS => < , <= , >= , == , !=
* LOGICAL OPERATORS => && , || , !
* ASSIGNMENT OPERATORS => = , += , -= , \*= , /=

Above mention operators are followed in decreasing order

* Also discuss Precedency and associativity

Like

/\*//here we have priority so can solve simply

int a = 6 + 2 \* 3;

System.out.println(a);

//here priority is same , so we will go with associativity

//so we will solve left to right

int b = 6 / 2 \* 3;

System.out.println(b);

//we have assignment operator whose associativity is right to left

\*/

**Best Examples :**

**public** **class** OperatorCalculation {

**public** **static** **void** main(String[] args) {

**int** a=10;

**int** b=20;

**if**( a++ == 10 || ++b == 20)

{

System.***out***.println("Inside If");

}

**else**

{

System.***out***.println("Inside Else");

}

System.***out***.println(" a : " + a);

System.***out***.println(" b : " + b);

}

}

Here output is

Inside Else

A : 11

B : 20

//this is a very good example as ++b == 20 this is dead code , will not run as first condition is false

**int** a=10;

**int** b=20;

**if**( ++a == 10 && b++ == 20)

{

System.***out***.println("Inside If");

}

**else**

{

System.***out***.println("Inside Else");

}

System.***out***.println(" a : " + a);

System.***out***.println(" b : " + b);

Here output is

Inside Else

a : 11

b : 20