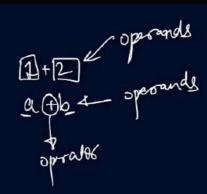
OPERATORS IN JAVA

OPERATORS

Symbols that tell compiler to perform some operation



Arithmetic Operators

$$A = 10, B = 5$$

Binary

$$+ \longrightarrow A+B$$
 (10+5)

 $+ \longrightarrow A-B$ (10-5)

 $+ \longrightarrow A-B$ (10-5)

Pre Increment

++a

```
int a = 10;
int b = 0;

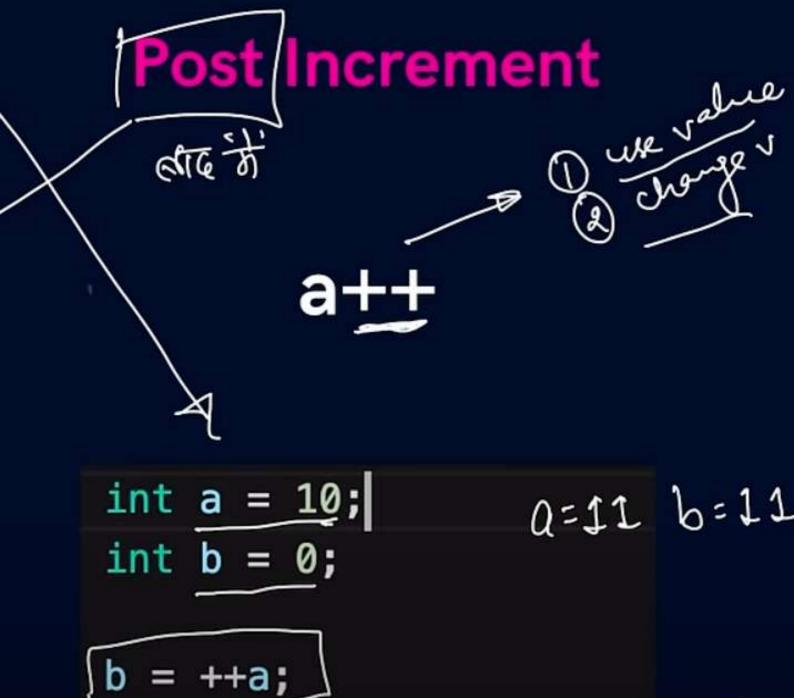
b = a++;
System.out.println(a);
System.out.println(b);
```

```
int a = 10;}
int b = 0;

b = a(++);

System.out.println(a); → 11

System.out.println(b); → 10
```



System.out.println(a); -> 1

System.out.println(b)

Relational Operators

+ boolean

Operators

$$A = 10, B = 5$$

Logical Operators

Operators

&& (Logical AND)

(Logical OR)

(Logical NOT)

Bitwise Operators

A = 0101, B = 0110

Operators

& (Binary AND)

(Binary Left Shift)

(Binary OR)

>> (Binary Right Shift)

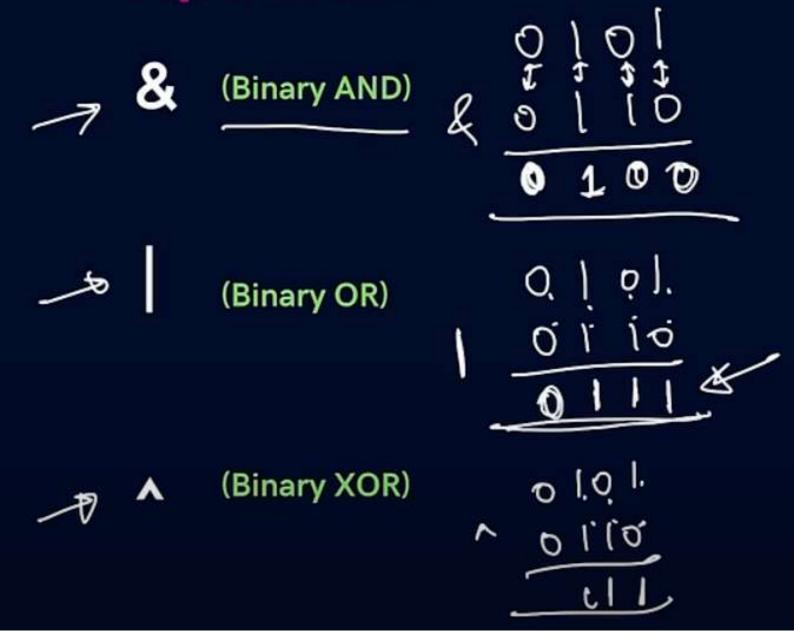
▲ (Binary XOR)

(Binary One's

Complement)

Bitwise Operators

Operators



(Binary One's \sim A 1 0 10

(Binary Left Shift)

A << 1

O | D |

(Binary Right Shift)

A >> 1

O | 0 |

O | 0

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