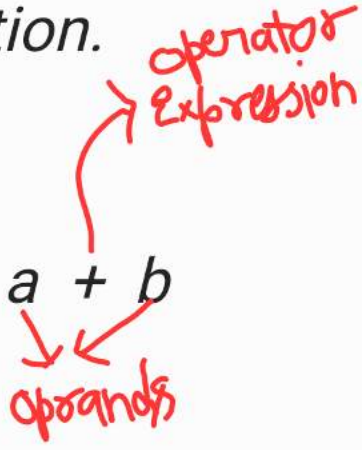
#Operators in Java

Symbols that tell compiler to perform some Operation.



#Types of Operators

- *Arithmetic Operators (Binary/Unary)*
- *Relational Operators*
- *Logical Operators*
- *Bitwise Operators*
- *Assignment Operators*

#Arithmetic Operators

BINARY

+ → A+B = 10+5 = 15

- → A-B = 10-5 = 5

* → A*B = 10*5 = 50

/ → A/B = 10/5 = 2

% (modulo) → A%B = 10%5 =0

UNARY

(incremet) ++ → a = a+1 = a++, ++a

(decrement) -- → a = a-1 = a--, --a

Pre Increment (++a)

1. *value change*
2. *value use*

Pre Decrement (--a)

1. value change

2. value use

Post Increment (a++)

1. value use

2. value change

Post Decrement (a--)

1. value use

2. value change

#RelationalOperators

== → equal (True or Flase)

!= → not equal (True or Flase)

> → A(10)>B(5) → True, A(5)>B(10) → Flase

< → A(10)<B(5) → Flase, A(5)<B(10) → True

>= → greater than or equal to

<= → less than or equal to

#Logical Operators

St → Statement

&&(Logical AND) → (St1) && (St2) → True
T T
(St1) && (St2) → Flase
TF, FT, FF

||(Logical OR) → (St1) || (St2) → Flase
F F
(St1) || (St2) → True
TT, TF, FT

!(Logical NOT) → True → Flase
Flase → True

#Assignment Operators

= A=B A (10) = B (5) 5 int A = 10

+= A=A+10 → A+=10 → 20

-= A=A-10 → A-=10 → 0

= A=10 → 100

/= A/=10 → 0