

Ug
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AUKU
Aukw

val = 5

20 = 5
x = 20
x = 7.5

Try it make

Java divides the into the following groups:

- Arithmetic ✓
- Assignment operators ✓
- Comparison operators ✓
- Logical operators ✓
- Bitwise operators ✓

① Assignment ops

$x = 5 \rightarrow$ Assign

$x == 5$

Arithmetic Operators

Arithmetic operators are used to perform common mathematical operations.

Operator	Name	Description	Example	Try it
+	Addition	Adds together two values	x + y	Try it »
-	Subtraction	Subtracts one value from another	x - y	Try it »
*	Multiplication	Multiplies two values	x * y	Try it »
/	Division	Divides one value by another	x / y	Try it »
%	Modulus	Returns the division remainder	x % y	Try it »
++	Increment	Increases the value of a variable by 1	++x	Try it »
--	Decrement	Decreases the value of a variable by 1	--x	Try it »

30 min

ADVERTISEMENT

Java Assignment Operators

Assignment operators are used to assign values to variables.

In the example below, we use the **assignment** operator (=) to assign the value **10** to a variable called **x**:

Example

```
int x = 10;
```

[Try it Yourself »](#)

The **addition assignment** operator (+=) adds a value to a variable:

Example

```
int x = 10; x += 5;
```

[Try it Yourself »](#)

A list of all assignment operators:

Operator	Example	Same As	Try it
=	x = 5	x = 5	Try it »
+=	x += 3	x = x + 3	Try it »
-=	x -= 3	x = x - 3	Try it »
*=	x *= 3	x = x * 3	Try it »
/=	x /= 3	x = x / 3	Try it »
%=	x %= 3	x = x % 3	Try it »
&=	x &= 3	x = x & 3	Try it »
=	x = 3	x = x 3	Try it »
^=	x ^= 3	x = x ^ 3	Try it »
>>=	x >>= 3	x = x >> 3	Try it »
<<=	x <<= 3	x = x << 3	Try it »

X

$x = 5$
 $x += 5$
 $x -= 5$
 $x *= 5$
 $x /= 5$
 $x \% = 5$

$x == y$
 $x > y$
 $x < y$
 $x >= y$
 $x <= y$
logic op

Java Comparison Operators

Comparison operators are used to compare two values:

Operator	Name	Example	Try it
==	Equal to	x == y	Try it »
!=	Not equal	x != y	Try it »
>	Greater than	x > y	Try it »
<	Less than	x < y	Try it »
>=	Greater than or equal to	x >= y	Try it »
<=	Less than or equal to	x <= y	Try it »

Java Logical Operators

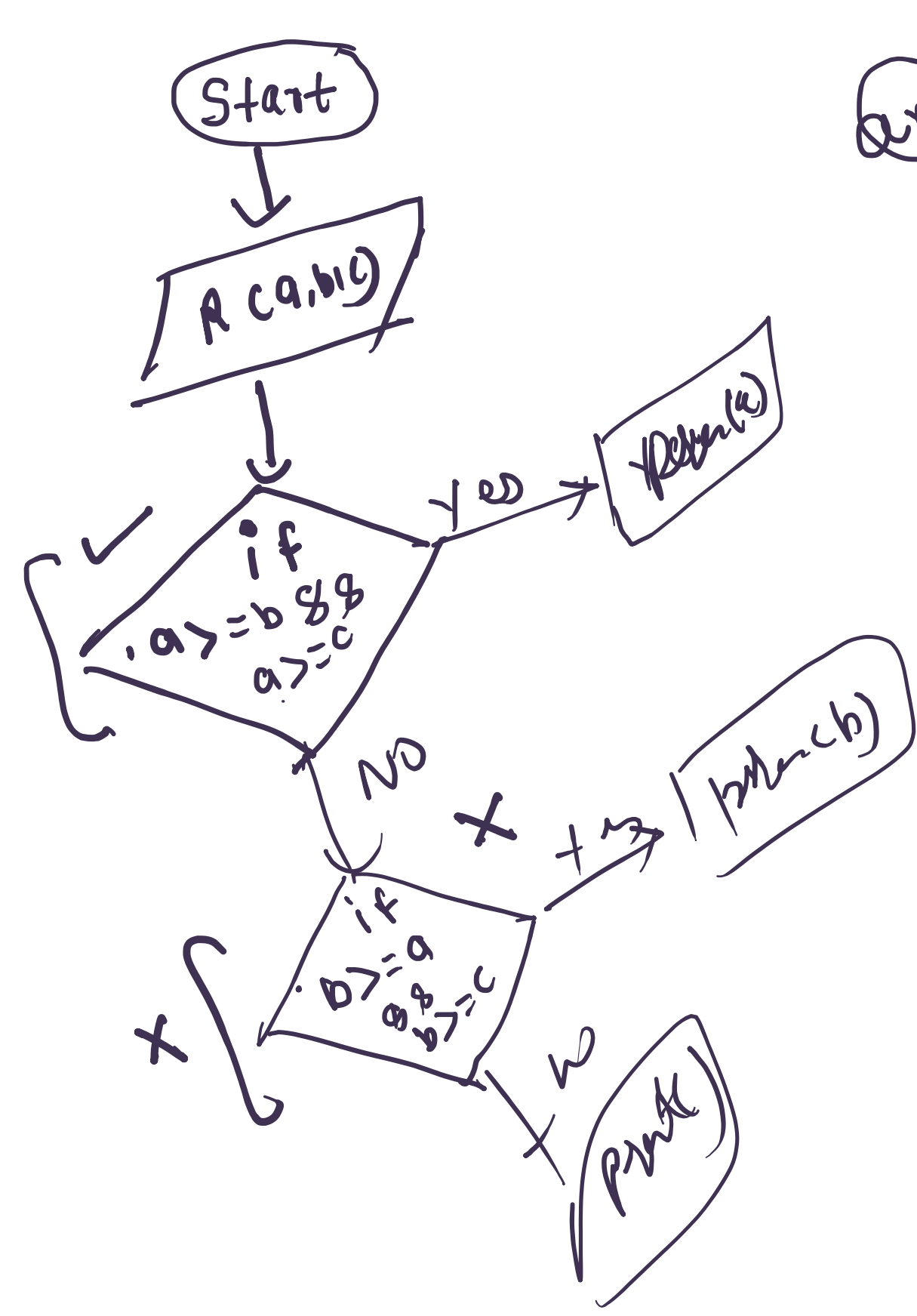
Logical operators are used to determine the logic between variables or values:

Operator	Name	Description	Example	Try it
&&	Logical and	Returns true if both statements are true	x < 5 && x < 10	Try it »
	Logical or	Returns true if one of the statements is true	x < 5 x < 4	Try it »
!	Logical not	Reverse the result, returns false if the result is true		

!(x) = P
x = 5
!(x == 5)

a	b	a b
T	T	T
T	F	T
F	T	T
F	F	F

a	b	a & b
T	T	T
T	F	F
F	T	F
F	F	F



Ques → 88

7000
100-200 car
250-300 mac
50-80 cycle
15-20 bike
1200-1400 korrkore
car
cycle
mac
korrkore
Bike
happy birthday

```
public class Lotter_Game {  
    public static void main(String[] args) {  
        int n=89;  
    }  
}
```

15-20 Bike → 15 to 18 splinder
50-80 cycle → 19 to 20 ptero
100-200 car → 50 to 75 → Hero
250-300 mac → 76 to 80 → automatic cycle
1200-1400 korrkore → 100 to 120 → Thak
→ 131 to 250 Cxeta
→ 280 to 290 → M1
→ 291 to 300 → M2
→ 1200 to 1200 → Red korrkore
→ 1301 to 1400 → korrkore

x = 9 10 8 8

```
int c = x++ + x-- + 7 - x--;
```

9 + 10 + 7 - 8

20 = 8 + 8 + 8 + 8

```
int y = x++ + x-- + 7 - x-- + --x + ++x;
```

9 + 10 + 7 - 8 + 7 + 8

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