Java Operators

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**What are different types of operators in Java?**

There are multiple types of operators in Java:

1. Arithmetic operators (addition, subtraction, multiplication, division, modulus (remainder))

2 )Shorthand assignment operators (+=), (-=), (/=), (\*=), (%=)

3 )Increment and decrement operators (++x), (x++), (--y), (y--)

1. Relational operators ((< less than), (<= less than or equal to), (> greater than),

(>= greater than or equal to), (== comparison -> checks if both sides are equal),

(!= comparison (not equal) -> checks if both sides are not equal)

5) Logical operators (AND operator) ,(OR operator |), (&&) ; (||)

**What are the differences between | and || ?**

| or operator checks both conditions regardless of what the values are

|| will check first condition and if the first condition is enough to make decision, then it will not check second condition

**What are the differences between & and &&?**

& and operator checks both conditions regardless of what the values are

&& will check first condition and if the first condition is enough to make decision, then it will not check second condition