

Operators in Java

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Similar to all the other languages, Java supports all the operators like arithmetic operators, logical operators, relational operators and bit-wise operators.

Arithmetic Operators: To perform arithmetic operations over the variables

Java Operation	Operator
Addition	+
Subtraction	-
Multiplication	*
Division	/
Modulus	%
Increment	++
Decrement	--
Addition Assignment	+=
Subtraction Assignment	-=
Multiplication Assignment	*=
Division Assignment	/=

Logical Operators: To evaluate expressions that result in either ‘true’ or ‘false’ value.

Java Operation Operator

Logical and	&
Logical or	
Not equal to	!=
Xor	^
Short circuit or	
Short circuit and	&&

Relational Operators: These operators are used to test for equality of expressions. They result in either ‘true’ or ‘false’ value.

Java Operation	Operator
Equal to	==
Not equal to	!=
Less than	<
Greater than	>
Less than or equal to	<=
Greater than or equal to	>=

Bit-wise Operators: Bit-wise operators work on individual bits of data.

Java Operation Operator

Unary not	~
And	&
Or	
Xor	^
Left shift	<<
Right shift	>>

Operators & their Precedence

Operators	Precedence
!, +, - (unary Operators)	First (Highest)
*, / , %	Second
+, -	Third
<, <=, >=, >	Fourth
== , !=	Fifth
&&	Sixth
	Seventh
= (assignment Operator)	Lowest