

Java Operator Precedence Table

Operator	Description	Associativity
() [] .	method invocation array subscript member access/selection	left-to-right
++ --	unary postfix increment unary postfix decrement	right-to-left
++ -- + - ! ~ (type) new	unary prefix increment unary prefix decrement unary plus unary minus unary logical negation unary bitwise complement unary cast object creation	right-to-left
* / %	multiplication division modulus (remainder)	left-to-right
+ -	addition or string concatenation subtraction	left-to-right
<< >> >>>	left shift arithmetic/signed right shift (sign bit duplicated) logical/unsigned right shift (zero shifted in)	left-to-right
< <= > >= instanceof	less than less than or equal to greater than greater than or equal to type comparison	left-to-right
== !=	is equal to (equality) is not equal to (inequality)	left-to-right
&	bitwise AND boolean logical AND (no short-circuiting)	left-to-right
^	bitwise exclusive OR boolean logical exclusive OR	left-to-right
	bitwise inclusive OR boolean logical inclusive OR (no short-circuiting)	left-to-right
&&	logical/conditional AND (short-circuiting)	left-to-right
	logical/conditional OR (short-circuiting)	left-to-right
?:	conditional/ternary (if-then-else)	right-to-left
= += -= *= /= %= &= ^= = <<= >>= >>>=	assignment addition assignment subtraction assignment multiplication assignment division assignment modulus/remainder assignment bitwise AND assignment bitwise exclusive OR assignment bitwise inclusive OR assignment bitwise left shift assignment bitwise arithmetic/signed right shift assignment bitwise logical/unsigned right shift assignment	right-to-left

