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