

Summary of Operators

The following quick reference summarizes the operators supported by the Java programming language.

Simple Assignment Operator

= Simple assignment operator

Arithmetic Operators

- + Additive operator (also used for String concatenation)
- Subtraction operator
- * Multiplication operator
- / Division operator
- % Remainder operator

Unary Operators

- + Unary plus operator; indicates positive value (numbers are positive without this, however)
- Unary minus operator; negates an expression
- ++ Increment operator; increments a value by 1
- Decrement operator; decrements a value by 1
- ! Logical complement operator; inverts the value of a boolean

Equality and Relational Operators

- == Equal to
- != Not equal to
- > Greater than
- >= Greater than or equal to
- < Less than
- <= Less than or equal to

Conditional Operators

&& Conditional-AND
|| Conditional-OR
?: Ternary (shorthand for
 if-then-else statement)

Type Comparison Operator

instanceof Compares an object to
 a specified type

Bitwise and Bit Shift Operators

~ Unary bitwise complement
<< Signed left shift
>> Signed right shift
>>> Unsigned right shift
& Bitwise AND
^ Bitwise exclusive OR
| Bitwise inclusive OR