**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