Operators

Table 10-3 lists the operators of the Java language, along with their precedence, operand types, and associativity.

Table 10-3: Java Operators

Prec.	Operator	Operand Type(s)	Assoc.	Operation Performed
1	++	arithmetic	R	pre-or-post increment (unary)
	86,6359 0080030},12	arithmetic	R	pre-or-post decrement (unary)
	+, -	arithmetic	R	unary plus, unary minus
	~	integral	R	bitwise complement (unary)
	!	boolean	R	logical complement (unary)

Prec.	Operator	Operand Type(s)	Assoc.	Operation Performed
	(type)	any	R	cast
2	*, /, %	arithmetic	L	multiplication, division, remainder
3	+, -	arithmetic	L	addition, subtraction
	. +	String	L	string concatenation
4	<<	integral	L	left shift
	>>	integral	L	right shift with sign extension
	>>>	integral	L	right shift with zero extension
5	<, <=	arithmetic	L	less than, less than or equa-
	>, >=	. arithmetic	L	greater than, greater than or equal
	instanceof	object, type	L	type comparison
6	==	primitive	L	equal (have identical values)
	!=	primitive	L	not equal (have different values)
	==	object	L	equal (refer to same object)
	!=	object	L	not equal (refer to different objects)
7	&	integral	L	bitwise AND
	&	boolean	L	boolean AND
8	^	integral	L	bitwise XOR
	^	boolean	L	boolean XOR
9	1	integral	L	bitwise OR
	1	boolean	L	boolean OR
10	&&	boolean	L	conditional AND
11	11	boolean	L	conditional OR
12	?:	boolean, any, any	R	conditional (ternary) operator
13		variable, any	R	assignment
	*=, /=,	variable, any	R	assignment with operation
	%=, +=, -=,			and managements.
	<<=, >>=,	DESCRIPTION OF THE PERSON		er ingeliet sylf da some
	>>>=,	and to the man and		App. or anifet aller region
	&=, ^=,	State of Bodies Acres	100	eno la cultificació acutanto
	=,			with pito bind to a