Operator Precedence and Associativity

This table shows the precedence and associativity of all the Java operators. The table is divided into groups, and each operator in a group has the same precedence. The groups of operators are arranged from the highest precedence at the top of the table to the lowest precedence at the bottom of the table. For example, the first group of operators shown is:

This group of operators has the highest precedence of all the operators; and each of these operators has the same precedence.

membership	left-to-right
	icit-to-rigiit
array subscript	left-to-right
method argument list	left-to-right
postfix increment	left-to-right
postfix decrement	left-to-right
prefix increment	right-to-left
prefix decrement	right-to-left
unary plus	right-to-left
unary minus	right-to-left
bitwise complement	right-to-left
logical NOT	right-to-left
object creation	right-to-left
cast	right-to-left
multiplication	left-to-right
division	left-to-right
remainder	left-to-right
addition	left-to-right
string concatenation	left-to-right
subtraction	left-to-right
	method argument list postfix increment postfix decrement prefix increment prefix decrement unary plus unary minus bitwise complement logical NOT object creation cast multiplication division remainder addition string concatenation

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Operator	Description	Associativity
<<	left shift	left-to-right
>>	signed right shift	left-to-right
>>>	unsigned right shift	left-to-right
<	less than	left-to-right
>	greater than	left-to-right
<=	less than or equal to	left-to-right
>=	greater than or equal to	left-to-right
instanceof	type comparison	left-to-right
==	equal to	left-to-right
!=	not equal to	left-to-right
&	bitwise AND	left-to-right
^	bitwise XOR	left-to-right
	bitwise OR	left-to-right
& &	logical AND	left-to-right
	logical OR	left-to-right
?:	conditional	right-to-left
=	assignment	right-to-left
+=	combined assignment	right-to-left
_=	combined assignment	right-to-left
*=	combined assignment	right-to-left
/=	combined assignment	right-to-left
<<=	combined assignment	right-to-left
>>=	combined assignment	right-to-left
>>>=	combined assignment	right-to-left
&=	combined assignment	right-to-left
^=	combined assignment	right-to-left
=	combined assignment	right-to-left