

Java Operators

Type Conventions

integer	int (byte, short) and long	Object	any object
number	integer, float, and double	String	any String object
primitive	number, char, and boolean	Class	any Class (constructor)
any	any type	<i>type</i>	any type name

Precedence	Operator	Signature	Associativity
1	++	: numberVariable number	none
1	--	: numberVariable number	none
1	+	: number number	right
1	-	: number number	right
1	~	: integer integer	right
1	!	: boolean boolean	right
1	(type)	: any any	right
2	*	: number, number number	left
2	/	: number, number number	left
2	%	: number, number number	left
3	+	: number, number number	left
3	-	: number, number number	left
3	+	: String, String String	left
4	<<	: integer, integer integer	left
4	>>	: integer, integer integer	left
4	>>>	: integer, integer integer	left
5	<	: number, number boolean	none
5	<=	: number, number boolean	none
5	>	: number, number boolean	none
5	>=	: number, number boolean	none
5	instanceof	: Object, Class boolean	none

6	==	: primitive, primitive	boolean	left
6	!=	: primitive, primitive	boolean	left
6	==	: Object, Object	boolean	none
6	!=	: Object, Object	boolean	none
7	&	: integer, integer	integer	left
7	&	: boolean, boolean	boolean	left
8	^	: integer, integer	integer	left
8	^	: boolean, boolean	boolean	left
9	 	: integer, integer	integer	left
9	 	: boolean, boolean	boolean	left
10	&&	: boolean, boolean	boolean	left
11	 	: boolean, boolean	boolean	left
12	?:	: boolean, any, any	any	right
13	=	: variable, any	any	right
13	*=	: numberVariable, number	number	right
13	/=	: numberVariable, number	number	right
13	%=	: numberVariable, number	number	right
13	+=	: numberVariable, number	number	right
13	+=	: StringVariable, String	String	right
13	-=	: numberVariable, number	number	right
13	<<=	: integerVariable, integer	integer	right
13	>>=	: integerVariable, integer	integer	right
13	>>>=	: integerVariable, integer	integer	right
13	&=	: integerVariable, integer	integer	right
13	^=	: integerVariable, integer	integer	right
13	 =	: integerVariable, integer	integer	right
13	&=	: booleanVariable, boolean	boolean	right
13	^=	: booleanVariable, boolean	boolean	right
13	 =	: booleanVariable, boolean	boolean	right