Table 7–3   C operators in order of precedence

Tokens	Operator	Class	Precedence	Associates
names, literals	simple tokens	primary	16	n/a
a[*k*]	subscripting	postfix	16	left-to-right
f(...)	function call	postfix	16	left-to-right
.	direct selection	postfix	16	left-to-right
->	indirect selection	postfix	16	left-to-right
++ --	increment, decrement	postfix	16	left-to-right
(*type name*){*init*}	compound literal (C99)	postfix	16	left-to-right
++ --	increment, decrement	prefix	15	right-to-left
sizeof	size	unary	15	right-to-left
~	bitwise not	unary	15	right-to-left
!	logical not	unary	15	right-to-left
- +	arithmetic negation, plus	unary	15	right-to-left
&	address of	unary	15	right-to-left
*	indirection	unary	15	right-to-left
(*type name*)	casts	unary	14	right-to-left
* / %	multiplicative	binary	13	left-to-right
+ -	additive	binary	12	left-to-right
<< >>	left and right shift	binary	11	left-to-right
< > <= >=	relational	binary	10	left-to-right
== !=	equality/inequality	binary	9	left-to-right
&	bitwise and	binary	8	left-to-right
^	bitwise xor	binary	7	left-to-right
|	bitwise or	binary	6	left-to-right
&&	logical and	binary	5	left-to-right
||	logical or	binary	4	left-to-right
? :	conditional	ternary	3	right-to-left
= += -= *= /= %= <<= >>= &= ^= |=	assignment	binary	2	right-to-left
,	sequential evaluation	binary	1	left-to-right