

C Operators

APPENDIX A

<i>Precedence</i>	<i>Name</i>	<i>Symbol(s)</i>	<i>Associativity</i>
1	Array subscripting	[]	Left
1	Function call	()	Left
1	Structure and union member	. ->	Left
1	Increment (postfix)	++	Left
1	Decrement (postfix)	--	Left
2	Increment (prefix)	++	Right
2	Decrement (prefix)	--	Right
2	Address	&	Right
2	Indirection	*	Right
2	Unary plus	+	Right
2	Unary minus	-	Right
2	Bitwise complement	~	Right
2	Logical negation	!	Right
2	Size	sizeof	Right
3	Cast	()	Right
4	Multiplicative	* / %	Left
5	Additive	+ -	Left
6	Bitwise shift	<< >>	Left
7	Relational	< > <= >=	Left
8	Equality	== !=	Left
9	Bitwise <i>and</i>	&	Left
10	Bitwise exclusive <i>or</i>	^	Left
11	Bitwise inclusive <i>or</i>		Left
12	Logical <i>and</i>	&&	Left
13	Logical <i>or</i>		Left
14	Conditional	?:	Right
15	Assignment	= *= /= %=	Right
		+= -= <<= >>=	
		&= ^= =	
16	Comma	,	Left