

Operator Precedence and Associativity

Operator	Description	Precedence	Associativity
()	Function call		
[]	Array subscript		
->	Arrow operator		
.	Dot operator	1	Left to Right
+	Unary plus		
-	Unary minus		
++	Increment		
--	Decrement		
!	Logical Not		
~	1's Complement	2	Right to Left
*	Indirection		
&	Address		
(datatype)	Typecast		
sizeof	Size in bytes		

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continued...

Operator	Description	Precedence	Associativity
*	Multiplication		
/	Division	3	Left to Right
%	Modulus		
+	Addition		
-	Subtraction	4	Left to Right
<<	Left shift		
>>	Right shift	5	Left to Right
<	Less than		
<=	Less than or equal to		
>	Greater than	6	Left to Right
>=	Greater than or equal to		
==	Equal to		
!=	Not equal to	7	Left to Right

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Continued...

Operator	Description	Precedence	Associativity
&	Bitwise AND	8	Left to Right
\wedge	Bitwise XOR	9	Left to Right
	Bitwise OR	10	Left to Right
$\&\&$	Logical AND	11	Left to Right
$\ $	Logical OR	12	Left to Right
? :	Conditional operator	13	Right to Left
= $*=,$ $/=,$ $%=$ $+=,$ $-=$ $\&=,$ $\wedge=,$ $ =$ $<<=,$ $>>=$	Assignment operators	14	Right to Left
,	Comma operator	15	Left to Right