

NAME

operator – C operator precedence and order of evaluation

DESCRIPTION

This manual page lists C operators and their precedence in evaluation.

Operator	Associativity	Notes
() [] -> . ++ --	left to right	[1]
! ~ ++ -- + - (type) * & sizeof	right to left	[2]
* / %	left to right	
+ -	left to right	
<< >>	left to right	
< <= > >=	left to right	
== !=	left to right	
&	left to right	
^	left to right	
	left to right	
&&	left to right	
	left to right	
?:	right to left	
= += -= *= /= %= <<= >>= &= ^= =	right to left	
,	left to right	

The following notes provide further information to the above table:

- [1] The ++ and -- operators at this precedence level are the postfix flavors of the operators.
- [2] The ++ and -- operators at this precedence level are the prefix flavors of the operators.

COLOPHON

This page is part of release 5.05 of the Linux *man-pages* project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.