Precedence and Associativity of Operators in C

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Operators are listed in order of precedence (highest to lowest). Their associativity indicates in what order operators of equal precedence in an expression are applied.

Column A	Associativity
( ) [ ] − > .	left to right
! ∼ + + − − + − ∗(type) sizeof	right to left
∗ / %	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

Table 1: Precedence and Associativity of Operators

For in-depth descriptions and applied examples of each operator listed on this table, please consider consulting:

The C Programming Language (*2nd Edition*), by Brian W. Kernighan and Dennis M. Ritchie. Prentice Hall, 1988. ISBN 0131103628