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| **Operator** | **Description** | **Associativity** |
| () [] . -> ++  -- | Parentheses (function call)  Brackets (array subscript) Member selection via object name Member selection via pointer Postfix increment/decrement | left-to-right |
| ++  -- +  - !  ~ (*type*) \* & sizeof | Prefix increment/decrement Unary plus/minus Logical negation/bitwise complement Cast (change *type*) Dereference Address Determine size in bytes | right-to-left |
| \*  /  % | Multiplication/division/modulus | left-to-right |
| +  - | Addition/subtraction | left-to-right |
| <<  >> | Bitwise shift left, Bitwise shift right | left-to-right |
| <  <= >  >= | Relational less than/less than or equal to Relational greater than/greater than or equal to | left-to-right |
| ==  != | Relational is equal to/is not equal to | left-to-right |
| & | Bitwise AND | left-to-right |
| ^ | Bitwise exclusive OR | left-to-right |
| | | Bitwise inclusive OR | left-to-right |
| && | Logical AND | left-to-right |
| || | Logical OR | left-to-right |
| ?: | Ternary conditional | right-to-left |
| = +=  -= \*=  /= %=  &= ^=  |= <<=  >>= | Assignment Addition/subtraction assignment Multiplication/division assignment Modulus/bitwise AND assignment Bitwise exclusive/inclusive OR assignment Bitwise shift left/right assignment | right-to-left |
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