C Operator Precedence

| Precedence | Operator | Description | Associativity |
|-------------------------------|------------------|---------------------------------------------------|---------------|
| 1 | ++ | Suffix/postfix increment and decrement | Left-to-right |
| | () | Function call | |
| | [] | Array subscripting | |
| | | Structure and union member access | |
| | -> | Structure and union member access through pointer | |
| | | Draffix in argument and degrape out | Diabt to left |
| 2 | ++ | Prefix increment and decrement | Right-to-left |
| | + - | Unary plus and minus | |
| | ! ~ (tuno) | Logical NOT and bitwise NOT | |
| | (type) | Type cast Indirection (dereference) | |
| | & | Address-of | |
| | sizeof | Size-of | |
| | 312601 | 3126-01 | |
| 3 | * / % | Multiplication, division, and remainder | Left-to-right |
| 4 | + - | Addition and subtraction | |
| 5 | << >> | Bitwise left shift and right shift | |
| 6 | < <= | For relational operators < and ≤ respectively | |
| | >>= | For relational operators > and ≥ respectively | |
| 7 | == != | For relational = and ≠ respectively | |
| 8 | & | Bitwise AND | |
| 9 | ^ | Bitwise XOR (exclusive or) | |
| 10 | 1 | Bitwise OR (inclusive or) | |
| 11 | && | Logical AND | |
| 12 | П | Logical OR | |
| 13 ^[note 1] | ?: | Ternary conditional ^[note 2] | Right-to-Left |
| 14 | = | Simple assignment | |
| | += -= | Assignment by sum and difference | |
| | *= /= %= | Assignment by product, quotient, and remainder | |
| | <<= >>= | Assignment by bitwise left shift and right shift | |
| | &= ^ = = | Assignment by bitwise AND, XOR, and OR | |
| 15 | , | Comma | Left-to-right |