# APPENDIX A
# C Operators

| Precedence | Name | Symbol(s) | Associativity |
|---|---|---|---|
| 1 | Array subscripting | [] | Left |
| 1 | Function call | () | Left |
| 1 | Structure and union member | .  -> | Left |
| 1 | Increment (postfix) | ++ | Left |
| 1 | Decrement (postfix) | -- | Left |
| 2 | Increment (prefix) | ++ | Right |
| 2 | Decrement (prefix) | -- | Right |
| 2 | Address | & | Right |
| 2 | Indirection | * | Right |
| 2 | Unary plus | + | Right |
| 2 | Unary minus | - | Right |
| 2 | Bitwise complement | ~ | Right |
| 2 | Logical negation | ! | Right |
| 2 | Size | `sizeof` | Right |
| 3 | Cast | () | Right |
| 4 | Multiplicative | *  /  % | Left |
| 5 | Additive | +  - | Left |
| 6 | Bitwise shift | <<  >> | Left |
| 7 | Relational | <  >  <=  >= | Left |
| 8 | Equality | ==  != | Left |
| 9 | Bitwise *and* | & | Left |
| 10 | Bitwise exclusive *or* | ^ | Left |
| 11 | Bitwise inclusive *or* | \| | Left |
| 12 | Logical *and* | && | Left |
| 13 | Logical *or* | \|\| | Left |
| 14 | Conditional | ? : | Right |
| 15 | Assignment | =  *=  /=  %=  +=  -=  <<=  >>=  &=  ^=  \|= | Right |
| 16 | Comma | , | Left |