



## Operators

|        |                                                                            |
|--------|----------------------------------------------------------------------------|
| +      | Addition Operator                                                          |
| +=     | Addition assignment operator, $x+=y$ , is the same as $x=x+y$              |
| &=     | Bitwise and assignment operator, $x\&y$ , is the same as $x=x\&y$          |
| &      | Address operator                                                           |
| &      | Bitwise and operator                                                       |
| ^=     | Bitwise exclusive or assignment operator, $x\^y$ , is the same as $x=x\^y$ |
| ^      | Bitwise exclusive or operator                                              |
| =      | Bitwise inclusive or assignment operator, $x =y$ , is the same as $x=x y$  |
|        | Bitwise inclusive or operator                                              |
| ?:     | Conditional Expression operator                                            |
| --     | Decrement                                                                  |
| /=     | Division assignment operator, $x/=y$ , is the same as $x=x/y$              |
| /      | Division operator                                                          |
| ==     | Equality                                                                   |
| >      | Greater than operator                                                      |
| >=     | Greater than or equal to operator                                          |
| ++     | Increment                                                                  |
| *      | Indirection operator                                                       |
| !=     | Inequality                                                                 |
| <<=    | Left shift assignment operator, $x<<=y$ , is the same as $x=x<<y$          |
| <      | Less than operator                                                         |
| <<     | Left Shift operator                                                        |
| <=     | Less than or equal to operator                                             |
| &&     | Logical AND operator                                                       |
| !      | Logical negation operator                                                  |
|        | Logical OR operator                                                        |
| %=     | Modules assignment operator $x\%=y$ , is the same as $x=x\%y$              |
| %      | Modules operator                                                           |
| *=     | Multiplication assignment operator, $x*=y$ , is the same as $x=x*y$        |
| *      | Multiplication operator                                                    |
| ~      | One's complement operator                                                  |
| >>=    | Right shift assignment, $x>>=y$ , is the same as $x=x>>y$                  |
| >>     | Right shift operator                                                       |
| ->     | Structure Pointer operation                                                |
| -=     | Subtraction assignment operator                                            |
| -      | Subtraction operator                                                       |
| sizeof | Determines size in bytes of operand                                        |