

Operators

Mathematical Symbols in C

C is able to perform basic mathematical operations on variables and values using the following symbols:

- Addition: +
- Subtraction: -
- Division: /
- Multiplication: *
- Incrementing: ++
- Decrementing: --
- Modulo: %

Assignment Operations in C

C can assign values to variables and perform basic mathematical operations using shorthand operators:

- Assignment: =
- Addition then assignment: +=
- Subtraction then assignment: -=
- Multiplication then assignment: *=
- Division then assignment: /=
- Modulo then assignment: %=

Comparing values in C

C can compare two values and/or variables against each other to return true or false. The operators are as follows:

- Do both sides have the same value? `==`
- Do the two sides have different values? `!=`
- Is the left side a lower value than the right side?
`<`
- Is the left side a lower or equal value to the right side? `<=`
- Is the left side a greater value than the right side? `>`
- Is the left side a greater or equal value to the right side? `>=`

Logical Operators in C

C can perform logical operations using the following operators:

- and: `&&` (Are both sides true?)
- or: `||` (Is at least one side true?)
- not: `!` (True becomes false and false becomes true.)

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