

Operators & Expressions

Arithmetic Operators:

($+$, $-$, $*$, $/$, $\%$)

Integer Arithmetic : (integer o integer) \rightarrow integer

Real " : (real o real) \rightarrow real

Mixed-mode " : (integer o real) \rightarrow real

Logical Operators:

($\&\&$, $\|\$, $!$)

Truth table for above three logical operators.

Assignment Operator:

($=$)

$[V \text{ op} = \text{exp};] = [V = V \text{ op}(\text{exp});]$

Increment & Decrement Operators:

($++$, $--$)

Conditional Operators:

$[\text{exp1} ? \text{exp2} : \text{exp3}]$

Bitwise Operators:

$[\&, !, ^, \sim, <<, \gg, \ggg]$

This operators may not be applied to float/double.

Relational Operators:

$[<, <=, >, >=, ==, !=]$

Precedence and order of evaluation of operators:

Operators

Associativity.

left to right

right to left

left to right

() [] → .

! , ~ , ++ , -- , + , - , * , / , (type) , sizeof

* , / , %

+ , -

<< , >>

< , <= , > , >=

== , !=

&

^

! (Bitwise inclusive OR)

&&

||

:

= , += , -= , *= , /= , %= , &= , ^= , |= , <<= , >>=

?

"

"

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"

"

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"

"

right to left

right to left

left to right