operators

OPERATOR	TYPE	ASSOCIAVITY
( ) [ ] . ->		left-to-right
++ -- + - ! ~ (type) * & sizeof	Unary Operator	right-to-left
* / %	Arithmetic Operator	left-to-right
+ -	Arithmetic Operator	left-to-right
<< >>	Shift Operator	left-to-right
< <= > >=	Relational Operator	left-to-right
== !=	Relational Operator	left-to-right
&	Bitwise AND Operator	left-to-right
^	Bitwise EX-OR Operator	left-to-right
|	Bitwise OR Operator	left-to-right
&&	Logical AND Operator	left-to-right
||	Logical OR Operator	left-to-right
? :	Ternary Conditional Operator	right-to-left
= += -= *= /= %= &= ^= |= <<= >>=	Assignment Operator	right-to-left
,	Comma	left-to-right

priority

Operator precedence

Type	Operator	Action
Arithmetic	-	Subtraction
	+	Adittion
	*	Multiplication
	/	Division
	%	Modulus
	--	Decrement (by 1)
	++	Increment (by 1)
	+=	Increment (a+=b means a=a+b)
	-=	Decrement (a-=b means a=a-b)
Relational	>	Greater than
	>=	Greater than or equal to
	<	Less than
	<=	Less than or equal to
	==	Equal to
	!=	Different from
Logic	&&	AND
	||	OR
	!	NOT
Bit-wise	&	AND
	|	OR
	^	XOR
	~	NOT
	>>	Right shift
	<<	Left shitf
Miscellaneus	?	Ternary (y=x>9?100:200)
	& and *	Pointer operators
	sizeof	Width of a datatype (in bytes)
	. and ->	Acceess to structures
	[]	Access to arrays

Precedence	Operator
Most	( ) [ ] -> .
↑	! ~ ++ -- - (cast) * & sizeof
	/ %
	<< >>
	< <= > >=
	== !=
	&
	|
	&&
	||
	?
	= += -= *= /=
Least	`