



CHI TIẾT CÁC TOÁN TỬ TRONG LẬP TRÌNH C++

(tài liệu tham khảo dành cho học viên)

Operators in C++

Operators in C		
	Operator	Type
Unary operator	++, --	Unary operator
Binary operator	+, -, *, /, %	Arithmetic operator
	<, <=, >, >=, ==, !=	Relational operator
	&&, , !	Logical operator
	&, , <<, >>, ~, ^	Bitwise operator
	=, +=, -=, *=, /=, %=	Assignment operator
Ternary operator	?:	Ternary or conditional operator

OPERATOR	DESCRIPTION	ASSOCIATIVITY
()	Parentheses (function call)	left-to-right
[]	Brackets (array subscript)	
.	Member selection via object name	
->	Member selection via pointer	
++/-	Postfix increment/decrement	
++/-	Prefix increment/decrement	right-to-left
+/-	Unary plus/minus	
!~	Logical negation/bitwise complement	
(type)	Cast (convert value to temporary value of type)	
*	Dereference	
&	Address (of operand)	
sizeof	Determine size in bytes on this implementation	
*,/,%	Multiplication/division/modulus	left-to-right
+/-	Addition/subtraction	left-to-right
<<, >>	Bitwise shift left, Bitwise shift right	left-to-right
<, <=	Relational less than/less than or equal to	left-to-right
>, >=	Relational greater than/greater than or equal to	left-to-right
=, !=	Relational is equal to/is not equal to	left-to-right

&	Bitwise AND	left-to-right
^	Bitwise exclusive OR	left-to-right
	Bitwise inclusive OR	left-to-right
&&	Logical AND	left-to-right
	Logical OR	left-to-right
?:	Ternary conditional	right-to-left
=	Assignment	right-to-left
+= , -=	Addition/subtraction assignment	
*= , /=	Multiplication/division assignment	
%= , &=	Modulus/bitwise AND assignment	
^= , =	Bitwise exclusive/inclusive OR assignment	
<>=	Bitwise shift left/right assignment	
,	expression separator	left-to-right

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