









## C++ Operator associativity In c++, operator associativity determins the order in which operators with the same precedence are evaluated. There are two types of associavity. Left - to - right associavity: 1 Most operators in c++ have (0) left - to - right associarity. This means that when multiple operators with the same precedence appear in an expression, they are evaluated from left to right. For example 0 in the expression catb-c', the addition ('+') is evaluated first, followed by the subtraction (-') 2 Right to left associativity: The assignment operator ('=') (0) and some unaxy operators, such as the unaxy minus ('-') and unary plus ('+)

have right to left associaulty. This means that when multiple operators with the same precedence appear in an expression, they are evaluated from right to left. For example in the expression 'a = b = c' the assignment ('=') opperator are evaluated from right to left. Here are some examples to illustrate the associavity of operators: (1) Example 1: (Left to right associavity): int result = 5-3-1; 1/ Evaluation as :((5-3)-1)) 11 result = 1 (2) Example 2: (Right to left) int a=5, b=3, C=1; int yesut = a = b = c;

// Eluates as ; a = (b=c) 1/8esuH = 1, a=1, b=1, c=1It's important to note that the associavity of an operator is independent of its precedence, precedence determines the evaluation oxer blu operators of different precedence levels, while associativity determines the evaluation order among operators of the same precedence level. Perenthesis can be used to explicitly specify the evaluation order when needed,