

Operators Precedence & Associativity Table

Operator	Meaning of operator	Associativity
()	Functional call	Left to right
[]	Array element reference	
->	Indirect member selection	
.	Direct member selection	
!	Logical negation	Right to left
~	Bitwise(1 's) complement	
+	Unary plus	
-	Unary minus	
++	Increment	
--	Decrement	
&	Dereference (Address)	
*	Pointer reference	
sizeof	Returns the size of an object	
(type)	Typecast (conversion)	Left to right
*	Multiply	
/	Divide	
%	Remainder	Left to right
+	Binary plus(Addition)	
-	Binary minus(subtraction)	Left to right
<<	Left shift	Left to right
>>	Right shift	
<	Less than	Left to right
<=	Less than or equal	
>	Greater than	
>=	Greater than or equal	
==	Equal to	Left to right
!=	Not equal to	
&	Bitwise AND	Left to right
^	Bitwise exclusive OR	Left to right
	Bitwise OR	Left to right
&&	Logical AND	Left to right
	Logical OR	Left to right
?:	Conditional Operator	Right to left
=	Simple assignment	Right to left
*=	Assign product	
/=	Assign quotient	
%=	Assign remainder	
+=	Assign sum	
-=	Assign difference	
&=	Assign bitwise AND	
^=	Assign bitwise XOR	
=	Assign bitwise OR	
<<=	Assign left shift	
>>=	Assign right shift	
,	Separator of expressions	Left to right