Reserved or keywords used in C, these reserved words may not be used as constant, variable, or as any other identifier name.

auto	else	long	switch
break	enum	register	typedef
case	extern	return	union
char	float	short	unsigned
const	for	signed	void
continue	goto	sizeof	volatile
default	if	static	while
do	int	struct	_Packed
double			

### Escape sequence codes:

Escape sequence	Meaning
\\	\ character
\'	' character
\"	" character
/3	? character
\a	Alert or bell
\b	Backspace
\f	Form feed
\n	Newline
\r	Carriage return
\t	Horizontal tab
\v	Vertical tab
\000	Octal number of one to three digits
\xhh	Hexadecimal number of one or more digits

### Mathematical Operators

Operator	Description	Example
+	Adds two operands.	A + B = 30
_	Subtracts second operand from the first.	A - B = -10
*	Multiplies both operands.	A * B = 200
/	Divides numerator by de-numerator.	B / A = 2
%	Modulus Operator and remainder of after an integer division.	B % A = 0
++	Increment operator increases the integer value by one.	A++ = 11
	Decrement operator decreases the integer value by one.	A = 9

# Boolean Inequality Operators

Operator	Description	Example
==	Checks if the values of two operands are equal or not. If yes,	(A == B) is
	then the condition becomes true.	not true.
! =	Checks if the values of two operands are equal or not. If the	(A != B) is
	values are not equal, then the condition becomes true.	true.
>	Checks if the value of left operand is greater than the value	(A > B) is
	of right operand. If yes, then the condition becomes true.	not true.
<	Checks if the value of left operand is less than the value of	(A < B) is
	right operand. If yes, then the condition becomes true.	true.
>=	Checks if the value of left operand is greater than or equal to	(A >= B) is
	the value of right operand. If yes, then the condition becomes	not true.
	true.	
<=	Checks if the value of left operand is less than or equal to	(A <= B) is
	the value of right operand. If yes, then the condition becomes	true.
	true.	

## Boolean Logical Operators

Operator	Description	Example
& &	Called Logical AND operator. If both the operands are non-zero,	(A && B) is
	then the condition becomes true.	false.
11	Called Logical OR Operator. If any of the two operands is non-	(A    B) is
	zero, then the condition becomes true.	true.
!	Called Logical NOT Operator. It is used to reverse the logical	!(A && B)
	state of its operand. If a condition is true, then Logical NOT	is true.
	operator will make it false.	

### Bitwise Operators

Operator	Description	Example
&	Binary AND Operator copies a bit to the result if it	(A & B) = 12, i.e.,
	exists in both operands.	0000 1100
1	Binary OR Operator copies a bit if it exists in either	$(A \mid B) = 61, i.e.,$
	operand.	0011 1101
^	Binary XOR Operator copies the bit if it is set in one	$(A ^ B) = 49, i.e.,$
	operand but not both.	0011 0001
~	Binary Ones Complement Operator is unary and has the	$(\sim A) = -60$ , i.e.,
	effect of 'flipping' bits.	1100 0100 in 2's
		complement form.
<<	Binary Left Shift Operator. The left operands value is	A << 2 = 240 i.e.,
	moved left by the number of bits specified by the right	1111 0000
	operand.	
>>	Binary Right Shift Operator. The left operands value is	A >> 2 = 15 i.e.,
	moved right by the number of bits specified by the right	0000 1111
	operand.	

## Assignment Operators

Operator	Description	Example
=	Simple assignment operator. Assigns values from right	C = A + B will assign
	side operands to left side operand	the value of A + B to
		С
+=	Add AND assignment operator. It adds the right	C += A is equivalent
	operand to the left operand and assign the result to	to $C = C + A$
	the left operand.	
-=	Subtract AND assignment operator. It subtracts the	C -= A is equivalent
	right operand from the left operand and assigns the	to C = C - A
	result to the left operand.	
*=	Multiply AND assignment operator. It multiplies the	C *= A is equivalent
	right operand with the left operand and assigns the	to C = C * A
,	result to the left operand.	
/=	Divide AND assignment operator. It divides the left	C /= A is equivalent
	operand with the right operand and assigns the result	to C = C / A
0	to the left operand.	
%=	Modulus AND assignment operator. It takes modulus	C %= A is equivalent to C = C % A
	using two operands and assigns the result to the left operand.	10 C = C % A
<<=	1	C <<= 2 is same as
<b>~</b>	Left shift AND assignment operator.	C = C << 2
>>=	Right shift AND assignment operator.	C >>= 2 is same as
//-	Right Shift AND assignment operator.	C = C >> 2
<u>-</u>	Bitwise AND assignment operator.	C &= 2 is same as
α-	Dicking Win assignment oberacor.	C = C & 2
^=	Bitwise exclusive OR and assignment operator.	$C - C \approx 2$ C = 2 is same as
	bicwise exclusive on and assignment operator.	$C = C \wedge 2$
=	Bitwise inclusive OR and assignment operator.	C  = 2 is same as
-	bicwise inclusive or and assignment operator.	C = C + 2
		0 - 0   2

## Operator Precedence and Associativity

Category	Operator	Associativity
Postfix	() [] -> . ++	Left to right
Unary	+ - ! ~ ++ (type) * and sizeof()	Right to left
Multiplicative	* / %	Left to right
Additive	+ -	Left to right
Shift	<< >>	Left to right
Relational	< <= > >=	Left to right
Equality	== !=	Left to right
Bitwise AND	&	Left to right
Bitwise XOR	^	Left to right
Bitwise OR		Left to right
Logical AND	&&	Left to right
Logical OR		Left to right
Conditional	?:	Right to left
Assignment	= += -= *= /= %=>>= <<= &= ^=  =	Right to left
Comma	,	Left to right

#### Trigraph Characters

A trigraph sequence that is found in a string is converted to its respective translation character. This allows people to enter certain characters that are not allowed under some (rare) platforms.