

operator is a symbol that tells the computer to perform certain mathematical or logical manipulations.

Type of operators \rightarrow

(1) Arithmetic Operators:- This operator are use to perform arithmetic operations includes like addition, subtraction, multiplication, Division and modulus.

Multiplication	*	$x * y$	x times y
Division	/	x / y	x divided by y
Remainder	%	$x \% y$	remainder of x div by y
Addition	+	$x + y$	y is added to x
Subtraction	-	$x - y$	y is subtracted from x

(2). Relational operators^(a) These operators such as greater than ($>$) or less than ($<$) are used to compare b/w two variable and they form relation expression.

(b) C support six relational operators in all.

Operator

Meaning

$<$

Less than

$<=$

Less than or equal to

$>$

greater than

$>=$

greater than or equal to

$=$

equal to

$!=$

not equal to

(3) Logical operators. (a) C has three following logical operators.

$\&$

\rightarrow Logical AND

$\|$

\rightarrow Logical OR

$!$

\rightarrow Logical NOT

(4) Assignment operators: are used to a value from right to left

Ex.

$a = b$

if $a = 10$ then
 $b = 10$

(5) Increment and decrement operators \rightarrow
 These operators are represented by
 $++$ and $--$ sign respectively.

(ii) $++$ The operator means "add 1" and $--$
 operator means "subtract 1".

(6) Conditional operator: is a ternary
 operator ($? : \text{end} :$) which requires three
 expression as operands:
 $\text{exp}_1 ? \text{exp}_2 : \text{exp}_3$.

(7) Bitwise operators: (a) perform on bit
 level it is also called Bit manipulation
 operator.

(b) This operator are used to for testing
 the bits, or shifting them right or left.
 this operator may not be applied in
 float or double.

&

bitwise AND

|

bitwise OR

^

bitwise exclusive OR

<<

Shift Left

>>

Shift Right