

## ASSIGNMENT: OPERATORS

### BITWISE OPERATOR:

These are type of binary operators. The operators which comes under bitwise operators are: `&`, `|`, `^`, `~`, `<<`, `>>`

1. The **& (bitwise AND)** in C or C++ takes two numbers as operands and does AND on every bit of two numbers. The result of AND is 1 only if both bits are 1.
2. The **| (bitwise OR)** in C or C++ takes two numbers as operands and does OR on every bit of two numbers. The result of OR is 1 if any of the two bits is 1.
3. The **^ (bitwise XOR)** in C or C++ takes two numbers as operands and does XOR on every bit of two numbers. The result of XOR is 1 if the two bits are different.
4. The **<< (left shift)** in C or C++ takes two numbers, left shifts the bits of the first operand, the second operand decides the number of places to shift.
5. The **>> (right shift)** in C or C++ takes two numbers, right shifts the bits of the first operand, the second operand decides the number of places to shift.
6. The **~ (bitwise NOT)** in C or C++ takes one number and inverts all bits of it

### TERENARY OPERATOR:

It is also known as conditional operator where it evaluates the given operands or expressions and deliver output.

Syntax:

Variable= Expression 1? Expression 2: Expression 3

Example : `max=(n1 > n2) ? n1:n2`