Bitwise Operator

Left shift and Right shift operator

By Prince Agarwal
[" Hello World "]

Bits wise operator

There are different bit wise operator in the bit manipulation

It is fast and Can be used In optimising the time complexity
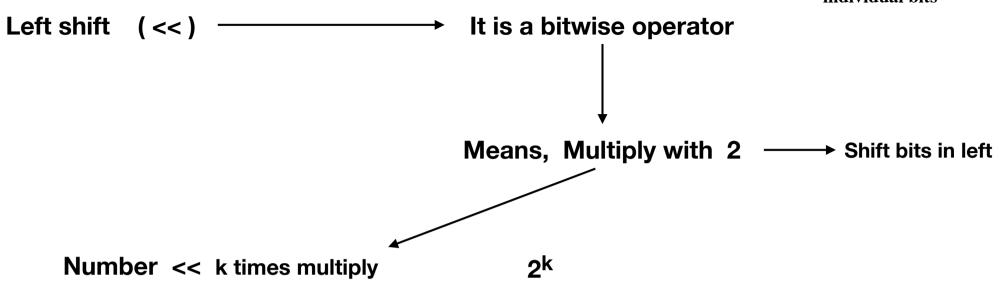
Bit wise operators are :—
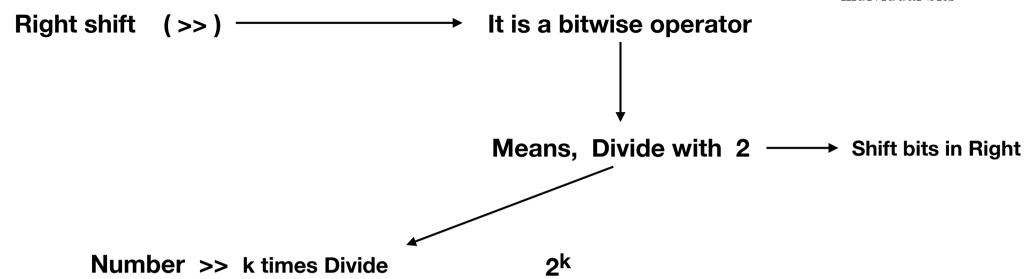
NOT (~)

AND (&)

OR   (|)

XOR   (^)

Left shift   (<<)

Right shift   (>>)

Left shift   (<<) $\longrightarrow$ **It is a bitwise operator**

Means, Multiply with 2 $\longrightarrow$ **Shift bits in left**

Number << k times multiply 2^k

Syntax	Binary form	Value
x= 7	00000111	7
x= x<<1	00001110	x= 14
x= x<<3	01110000	x= 112

Right shift (>>) ————————→ **It is a bitwise operator**

Means, Divide with 2 ——→ **Shift bits in Right**

Number >> k times Divide 2^k

Syntax	Binary form	Value
x= 192	11000000	192
x= x>>1	01100000	x= 96
x= x>>2	00011000	x= 24
x= x>>3	00000011	x= 3

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*" If you feel any problem then comments in my video
I will reply as soon as possible "*

- Prince Agarwal