

B Binary Operator:

① Arithmetic: $+$, $-$, $*$, $/$, $\%$

② Bitwise operators:

NOT	\sim
AND	$\&$
OR	$ $
EXOR	\wedge
Left Shift	\ll
Right Shift	\gg

NOT:	001100	NOT \rightarrow 110011		
		AND	OR	EXOR
AND:	0 0	0	0	0
	0 1	0	1	1
	1 0	0	1	1
	1 1	1	1	0

Left Shift: \ll $(1111)_2 = 15_{10}$
Left shift by 2

$$x = 15$$

$$x = x \ll 2$$



$$(1100)_2 = (12)_{10}$$

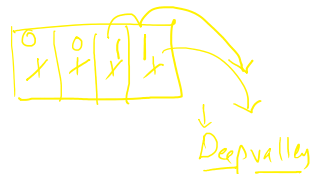
Right Shift

$$x = 15$$

$$x \gg 2$$

$$x = (0011)_2$$

$$= (3)_{10}$$



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REC

$x = 15$ $(1111)_2$

① $x \gg 1$

$\text{int } x = 15;$
 $x = x \gg 1;$

$(10111)_2$ $(0111)_2$

Operators

② $x \gg 2$

$(10111)_2$ $(0011)_2$

③ $x \gg 3$

$(10111)_2$ $(0001)_2$

④ $x \gg 4$

$(10111)_2$ $(0000)_2$

DI

Your screen is being shared

Stop Sharing Expand Preview

Screen - Dr. Darshan... (you)

Start Open Session

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Chat

To everyone

Vishal Kumar Singh 11m ago

Siri 2m ago

ok

Arunangshu Mullick just now

0011

0001

Siri just now

ok now clear

Yogesh G. Rajpayle just now

Sir this one just for int...

Message...

28°C Clear

Search

11:18 PM 2/18/2023

③ Logical Operators: $\&\&$ \parallel

$\text{int } y = 5;$
 $\text{Sopln}(y > 5 \ \&\& \ y < 10); \parallel \text{true}$

$\text{int } x = 9;$
 $\text{Sopln}(x > 8 \parallel x = 5); \parallel \text{true}$

_____ X _____