① conversion from Decimal → Binary

② Bitwise operator's

[& ✓ , | ✓ , ^ ✓ , ~ ✓ , << ✓ , >> ✓]

& ⇒ Bitwise AND

| ⇒ Bitwise OR

~ ⇒ Bitwise NOT

^ ⇒ Bitwise XOR

<< ⇒ Bitwise Left Shift

>> ⇒ Bitwise Right Shift

11th, 12th

Bitwise AND (&) → (Mul) (A x B) Truth table :

	A	B	output
0	0	0	0
1	0	1	0
2	1	0	0
3	1	1	1

Bitwise OR (|) → Add (A+B) truth table :

	A	B	output
0	0	0	0
1	0	1	1
2	1	0	1
3	1	1	1

(0,1) → 2

Am 2

Bitwise XOR (^) truth table :

→ Same (1,1) ↳ output - 0 Not same ↳ output - 1

	A	B	output
0	0	0	0
1	0	1	1
2	1	0	1
3	1	1	0

Bitwise Not (~) Truth table :

A	output
0	1
1	0

Bitwise operators