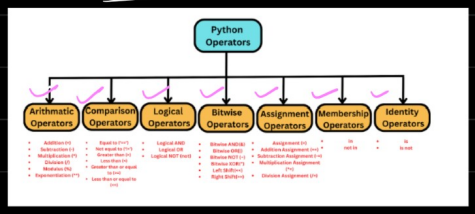
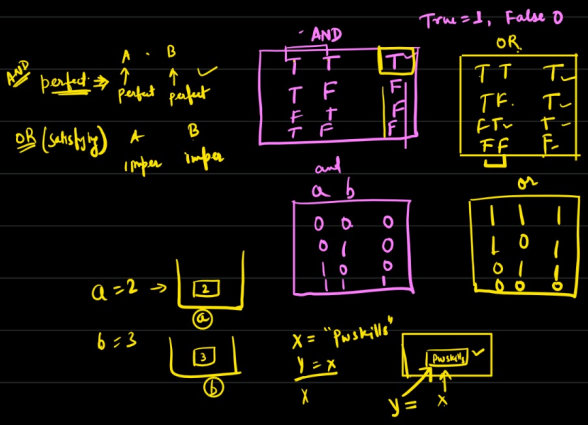
Operators → a = 120 , b = "Hiyy" +, -, *





2^3 2^2 2^1 2^0

0 0 0 1 — 1

0 0 1 0 — 2

0 0 1 1 — 3

0 1 0 0 — 4

&, |, ~, ^, XOR, Shift

10 & 10 → 1010 and 1010

→ 1010

18 — 10010

3 — 00011

00010

XOR

a	b	a ^ b
0	0	0
→ 1	0	1
0	→ 1	1
→ 1	1	0

5 ^ 3 → 11 → 01

XOR(^) 101 / 011

1 1 0

35 — 1000 11000

35 << 3

280

Operators	Meaning
()	Parentheses
**	Exponent
+X, -X, ~X (X is variable)	Unary Plus, Unary Minus, Bitwise NOT
*, /, //, %	Multiplication, Division, Floor Division, Modulus
+, -	Addition, Subtraction
<<, >>	Bitwise Shift Operators
&	Bitwise AND
^	Bitwise XOR
|	Bitwise OR
==, !=, >, >=, <, <=, is, is not, in, not in	Comparisons, Identity, Membership operators
not	Logical NOT
and	Logical AND
or	Logical OR