- **logical operators**

And - Both true

Or - atleast one true

Not - True if condition is false,
False if con is true.

- **membership operators**

→ **in membership**: It we want to know a value is or not- in list we use in membership

→ **Not in Negated membership**: same as in but it shows

(1)

Ex: P = [5, 6, 7, 8, 9]

Print (6 in P) @ True → in m

Print (10 not in P) @ False → Not in m

- **Identity Operators**:

(i) is

(ii) Not-is
is not

Num1 = 10

Num2 = 10

x = num1 is num2

print (x) @ TRUE

x = num1 is not num2

print (x) @ False

- Bitwise operators :

① Bitwise AND : & Ex: 2 & 3 → 2 - 10, 3 - 11 → 10 → (A) 2

② Bitwise OR : 10 | 11 → 11 → (A) 3

③ Bitwise XOR : 10 ^ 11 → 01 → (A) 1

④ Bitwise NOT : ~ Ex: 2 & 3 → 00000010 → 11111101 → (A) -6 (2's)

⑤ Bitwise left shift

⑥ Bitwise right shift

Symbol
&
|
^
~
<<
>>

- Operator precedence [BODMAS]

Brackets Of Division multiplication Addition Subtraction

10 + 20 * 30

Highest

- **, %, /
- +x, -x, ~x
- *, /, //, %
- +, -
- <<, >>
- &
- ^
- |
- ==, !=, <, <=, >, >=
- not
- and
- or