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* Operators :

- Python operators is a symbol that performs an operation on one or more operands.

- An operand is a variable or a value on which we perform the operation

- python operator falls into 7 categories.

1) python Arithmetic Operator
2) Python Relational Operator
3) Python Assignment Operator
4) Python Logical Operator
5) python Membership operator
6) Python Bitwise Operator
7) Python Identity Operator

1) Python Arithmetic Operator

   i) Addition (+)
   ii) Subtraction (-)
   iii) Multiplication (*)
   iv) Division (/)
   v) Modulus (%)

2) Python Relational Operator

   i) less than (<)
   ii) Greater than (>)
   iii) less than or equal to (<=)

iv) Greater than or equal to (>=)
v) Equal to (==)
vi) Not equal to (!=)

3) Python Assignment Operator

i) Assign (=)
ii) Add and Assign (+=)
iii) Subtract and Assign (-=)
iv) Divide and Assign (/=)
v) multiply and Assign (*=)
vi) modulus and Assign (%=)

4) Python logical Operator

i) and operator (&&)
ii) or operator (||)
iii) not operator (!)

5) Python Bitwise Operator

i) Binary AND (&)
ii) Binary OR (|)
iii) Binary XOR (^)
iv) Binary left-shift (<<)
v) Binary Right-shift (>>)

6) Python Indentity Operator

    i) is operator
    ii) is not operator
    iii)