

Day 4 Note  
operators: It is a special symbol used for particular operations between two operands.

e.g.,  $a+b=c$

$+$ ,  $=$  are the operators.

$a, b, c$  are the operands.

$4 - 8 = -4$

$-$ ,  $=$  are the operators.

Types of operators in python:

\* arithmetic operator =  $+, -, *, /, \%, //, **$   
It is used to perform basic mathematical operations between numbers.

\* Assignment operators =  $=, +=, -=, *=, /=, \%=$   
It is used to assign values to variables.

\* Relational operators =  $=, >, <, \leq, \geq, !=$   
To compare two values. Result is true or false

\* logical operators = and, or, Not  
used to combine conditional statements.

\* Bitwise operators =  $\&, |, \sim, \text{~}, \ll, \ll, ^,$   
work on bits of integers.

\*. Membership operators : In, Not, Is

These are used to check whether a value is present in a sequence such as a list.

\*. Identity operators : Is, Not Is

These are used to compare memory locations.