Full stack web development using python

JavaScript Operators

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Agenda

① JS Operators
② various types of operal

JS Operators

Operators are used to manipulate data. There are variety of operators available in JS.

Arithmetic operators
Comparison Operators
Logical operators
Assignment Operators
Conditional Operators

Arithmetic Operators

Addition   +

Subtraction   −

Multiplication   *

Division   /

Modulus   %

Exponent   **

Increment operator

++x   pre increment

x++   post increment

Decrement operator

--x   pre decrement

x--   post decrement

Comparison Operators

Comparison	$>$, $<$, $>=$, $<=$
Equality	$==$ $!=$
Identity	$===$ $!==$

Logical Operators

Logical AND   **&&**

Logical OR   **||**

Logical NOT   **!**

! true → false

! false → true

true && true → true

true && false → false

false && x → false

false || false → false

false || true → true

true || x → true

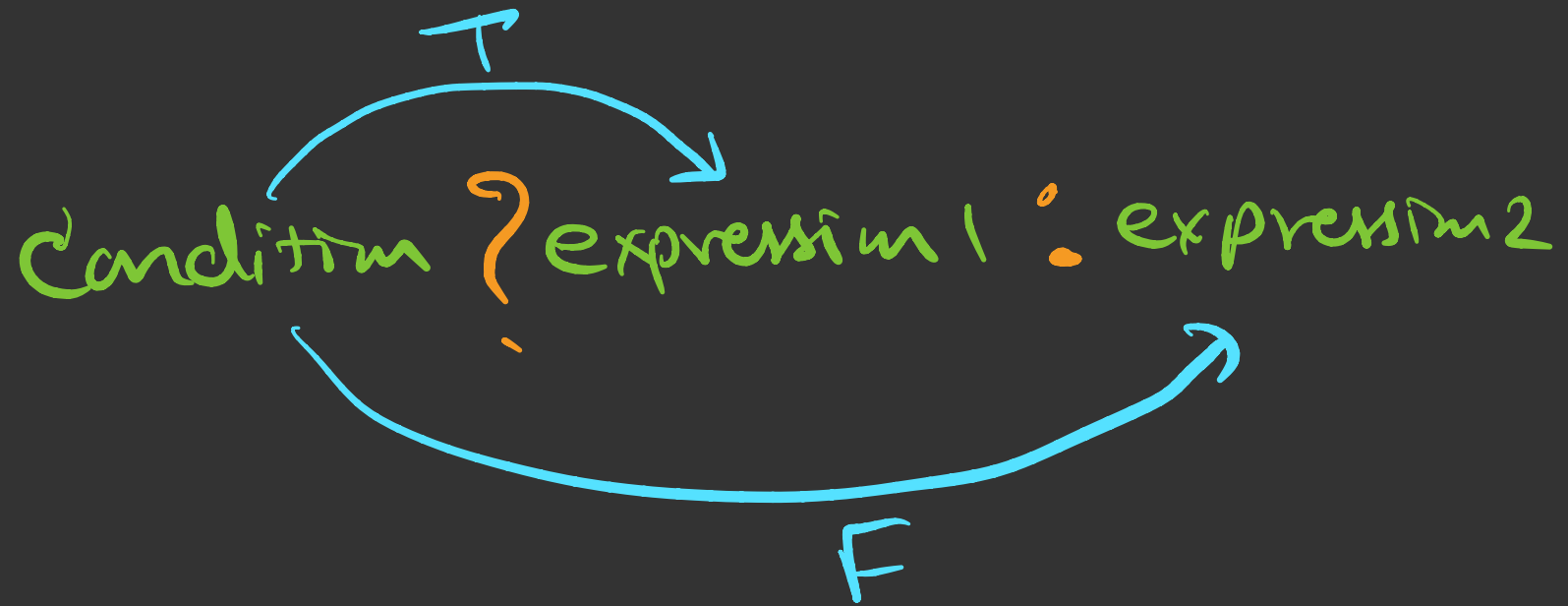# Assignment Operators

Assignment = $x = 5$ $~~~~5 \cancel{=} x$

Compound Assignment $~~~$ += *= -= /= %=

$~~~~x += 5 ~~\rightarrow~~ x = x + 5$

$~~~~x *= 7 ~~\rightarrow~~ x = x * 7$

Conditional Operators

? :

$$\text{Condition} \ ? \ \text{expression1} : \text{expression2}$$

T ⟶ expression1

F ⟶ expression2

$$z = x > y \ ? \ x : y$$