

- There are 8/9 general operators (regularly uses)
rest of 6 are rarely uses.

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8) Ternary :- it req. three operands.
• Conditional.

eg:-
<html>
<body>
<h3> Demo on Javascript operators </h3>
<script>

let x=23, y=7;

// let a=10, b="Roma", c=true, d=10.35;

(diff. diff. types of variable we can put in a single line. → possible in only Javascript)

1) // Arithmetic operation are:- +, -, *, /, %, **.

document.write('x+y', '
');

document.write('y*3', '
');

document.write('y**3', '
');

strict equal to.

2) // Relational operation:- >, <, >=, <=, ==, !=, ===

!=

strict not equal to...

document.write('x>0', '
');

let z="7";

document.write('y==z', '
');

→ // 7=="7" → "7"=="7" → True.

document.write('y===z', '
');

→ // 7===7 → False.

triple equal to strictly comparison with the data. not flexible. (check data + data type.)

document.write('y!=z', '
');

→ // 7!="7" → "7"!= "7" → False.

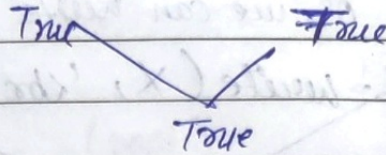
→ document.write('y!= "7"') → True.

('y!=z', '
') ↑.

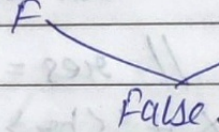
* There are 7 logical operators, but in JS we have only 3. (ie && || !)

3.1) Logical Operation:- &&, ||, ! (using truth table)

document.write (y >= 1 && y <= 10, '
');



document.write (y <= 1 || y <= 10, '
');



document.write (! (x > 0), '
');

4) Assignment operation:- =

Short-hand-oper:- +=, -=, /=, *=, %=, **=, */.

eg:- X += 50; // X = X + 50;

Y *= 10; // Y = Y * 10;

document.write (x, "
", y, '
');

→ one of the operand should be string.

5) Concatenation operation:- +.

document.write ("rama" + "rao" + "
");

document.write (100 + "mangos" '
');

↳ while concat, atleast 1 value should be string.

document.write (20 + true)

↳ there is no string but it will adding 20 + (boolean value of true is 1)

so the O/p will be 20 + 1 = 21.

Same in Python.

6) /* increment ++ // ++var (pre) var++ (post)
7) decrement -- // --var (pre) var-- (post)

pre \rightarrow $++X$; or we can write like $X++$;
document.write (X, '
'); post.

Both work is +1 only nothing more.

res = ++X * 10; // res = X++ * 10;
document.write (X + '
' + res + '
');

8) Conditional Operation :- $?:$ \rightarrow decision making.

eg:- $y \% 2 == 0 ?$ "Even number." $:$ "Odd number."
opr1. opr2 True False opr3

Ternary operator.

document.write ($y \% 2 == 0 ?$ "even number." :
"Odd number.");

\langle Style
 \langle Body
 \langle html

eg:- document.write ($\underbrace{10 + 20}_{3} * \underbrace{5}_{1} - \underbrace{100}_{4} \% \underbrace{30}_{2}$)

document.write ($\underbrace{10 - 20}_{3} / \underbrace{4}_{1} + \underbrace{10}_{4} * \underbrace{5}_{2}$)