

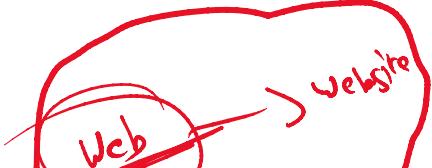
# Java Script

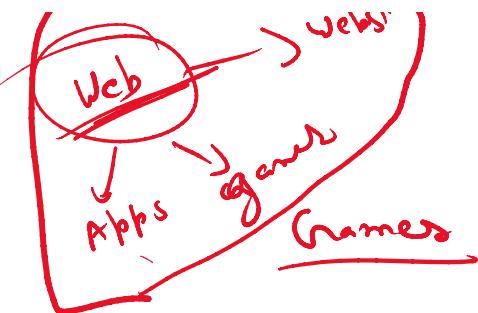
What?

- 1) It is a scripting language, made to dynamically control the content as well as the UI (look & feel) of your website

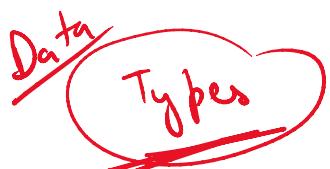
Why?

- 1) highly acceptable by every browser
- 2) easy to code
- 3) Big community





(game engine)  
were used to on desktop  
nB's



Number ( integers, floats, doubles )

String ( " ,

" character, string  
, different strings

..  
("")

Empty String

Boolean true, false

Undefined null

Implicit Type conversion

false ~~true~~ true

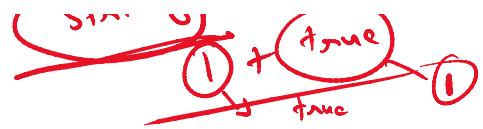
undefined → false → null → false

String  
Number  
Boolean

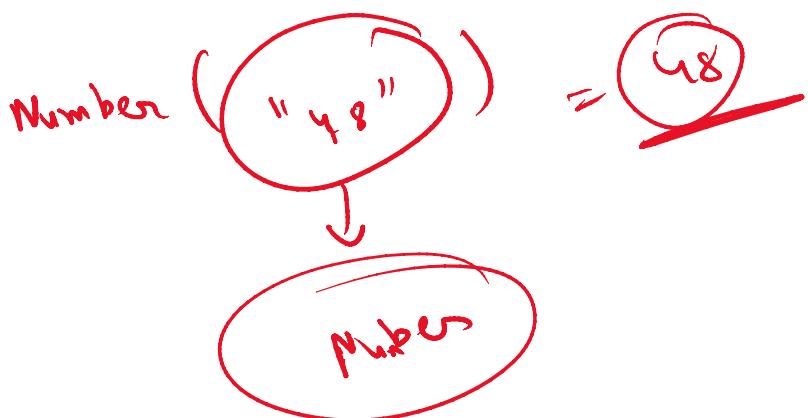
false

2 + '3'  
String  
Number  
true  
1 + true  
1

false

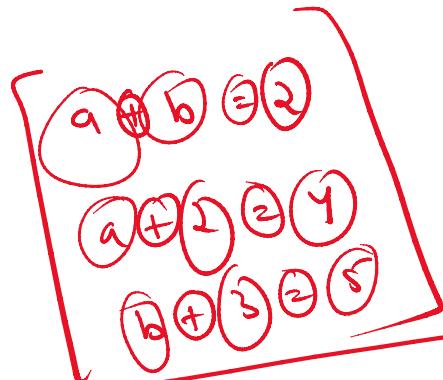


String



Value

Statements



variables , operators , values

**Keywords**

a is a variable of  
type int

int a

let a  
var a  
const a

a is a variable

a is a variable

a is a variable

but you can't change the  
value of this variable  
Once assigned

loosely  
typed  
data type

Var ↗  
a = 2

a = 2

Operations

Basic  
+  
-

Conditional  
Operators  
and  
or  
negation  
false  
as false  
as true  
→ "conclusion"

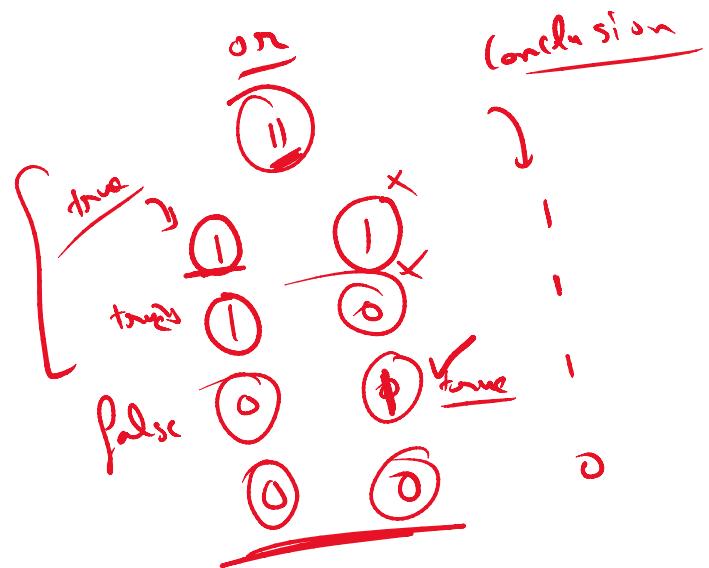
$\begin{bmatrix} + \\ - \\ \times \\ / \\ \% \end{bmatrix} \rightarrow \text{modulus}$

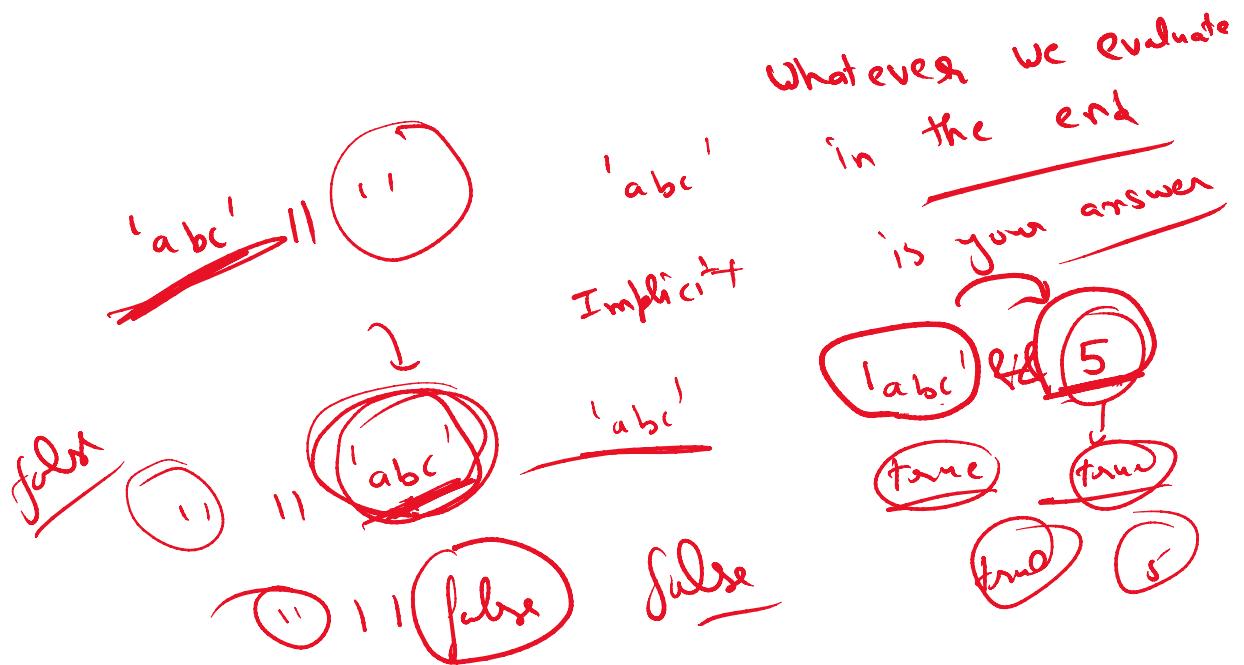
$uu.y + uu = \frac{88.y}{y}$   
 $uu.y \div y = 0.y$

on negation ("not") ~~(if true)~~  
 equate ~~(if false)~~  
 true  $\rightarrow$  true  
 false  $\rightarrow$  false

conclusion

False  $\rightarrow$   $\Delta\Delta (a \parallel b \Delta\Delta (c \parallel d \Delta\Delta$   
 True  $\rightarrow$   $\dots$   
 False  $\rightarrow$   $\dots$





Implicit typecast  
temporary conversion  
not actually changing  
the value

Actually  
Changing  
the value

a = '2'  
Number(2)

