04 July, 2021

JS - Day 03

Var	Let	Caust

1) Can be Redeclared
 	
eg var num1 = 37;
 	
✓ Let num1 = 43;
or
var num1 = 43;
	1) Can not be Redeclared.
	
	eg. num
	Let num1 = 37;
	✗ Let num1 = 37;
		1) Can't be redeclared
		
		2) Can't Reassign the value,

2) value Can be Reass- igned. or in siuple terms, we can update the value of an identifier.	2) value Can be Reassigned.	
3) Can declare the Identifier with No value.	Can declare with No value	Can't declare without value

Operators:-

1) Arithmatic : +, -, /, *, %, (binary operators)
                 ++, --, (unary oper) (increment/decrement).

2) Assignment : += , -=, *=, /=, %=

3) Comparision : ==, !=, ===, !==, <, >, <=, >=

4) Conditional (Ternary) :   () ? __ : __
   Operators

5) Logical operators : &&, ||, !

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① Arithmetic

eg document.write (" the value of res =(num1

open (above "the")
close, num
num, open ("[")
close ("]")

[" + num1 + "] + num2[" + NUM2 +

open close
"]) ; "

Increment And decreament

→ ++c ; → c = (1+c)
c++ ; → c = (c+1)
--c ; → c = (1-c) → -ue value (Ans) will
c-- ; → c = (c-1) converted to +u value automatical

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② Assignment :-

num1 += num2 ; → num1 = (num1 +
num1 += 2 ; → num1 = num1+2   num

eg. let num1 = 2 ;

num1 += 4 ;
document.write (num1); → Ans   num1 = 2+4
                                          = 6
                          ↓
                          ⑥

③ Comparision :-

```
let x = 4;
let y = '4';
let z = 4.0;
let d = false;

document.write ("typeof x);        → number
    "        "   ("     y);        → string
    "        "   ("     z);        → number.
```

*①
```
d = (x==y);
document.write ( d );        →  true
                            (∵ only value should
                              be same 9n = = )
```

*②
```
d = (x===y);
document.write (d) ;        →  false
                            (∵ value and type
                              both should be
                              same 9n === )
```

* we have given let d = false that's why
*① and *② are working. If you would
have given caust d = false, then they
will not work since, & value cant be
9n const, value can not be Reassigned
or updated.

(4) Conditional operator.

$$d = ((x \, y = z) \; ? \; \text{"} \quad \text{"} : \text{"} \quad \text{"});$$

Condition

if condition
is true
show
this

if condition
is false
show
this.

document.write (d);