

Operators

1.What are the final values of all variables a, b, c and d after the code below?

```
let a = 1, b = 1;  
let c = ++a; // ?  
let d = b++; // ?
```

a tendrá el valor 2
b tendrá el valor 2
c tendrá el valor 2
d tendrá el valor 1

2.What are the values of a and x after the code below?

```
let a = 2;  
let x = 1 + (a *= 2);
```

a tendrá el valor 4
x tendrá el valor 5

3.What are the results of these expressions?

```
"" + 1 + 0 -----> 10  
"" - 1 + 0 -----> -1  
true + false -----> 1  
6 / "3" -----> 2  
"2" * "3" -----> 6  
4 + 5 + "px" -----> 9px  
"$" + 4 + 5 -----> $45  
"4" - 2 -----> 2  
"4px" - 2 -----> NaN  
"-9 " + 5 -----> -95  
"-9 " - 5 -----> -14  
null + 1 -----> 1  
undefined + 1 -----> NaN  
" \t \n" - 2 -----> -2
```

4.Here's a code that asks the user for two numbers and shows their sum. It works incorrectly. The output in the example below is 12 (for default prompt values). Why? Fix it. The result should be 3.

```
let a = prompt("First number?", 1);  
let b = prompt("Second number?", 2);  
alert(a + b); // 12
```

El valor de 12 porque esta concatenando los 2 números como si fueran cadenas, para poder arreglarlo habría que hacer una conversión a entero cuando el usuario mete el valor en cada variable

5.What will be the result for these expressions?

```
5 > 4 ----> true  
"apple" > "pineapple" ----> false  
"2" > "12" ----> True
```

Alex Samos Muñoz

```
undefined == null -----> true  
undefined === null -----> false  
null == "\n0\n" ----> false  
null === +"\n0\n" -----> false
```