

## JavaScript – Implicit Type Coercion

### Practice Problems

Answer the following questions **WITHOUT** executing the code in Codepen. Also, explain why do you think your answer is correct.

Q1. What will be printed in the console?

1. `console.log(true + false)`    **1**    `true = 1` and `false = 0`
2. `console.log(12 / "6")`    **2**    the string is interpreted as a number
3. `console.log("number" + 15 + 3)`    **'number153'**    "number" at the beginning treats the operation as a string
4. `console.log(15 + 3 + "number")`    **'18number'**    15 being at the beginning treats the operation as an int
5. `console.log(1 > null)`    **true**    1 is greater than an absence of a value (which is considered akin to 0)
6. `console.log("foo" + + "bar")`    **'fooNaN'**    `++` tries to sum an undefined value to a string
7. `console.log('true' == true)`    **false**    strings and booleans are not the same thing
8. `console.log(false == 'false')`    **false**    strings and booleans are not the same thing
9. `console.log(null == "")`    **false**    null is not coerced into 0 or false, so it's not equal to an empty string
10. `console.log(!!"false" == !!"true")`    **true**    non-empty strings are truthy, `!!` is true, true equals true

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**Implicit Coercion Table:** <https://dorey.github.io/JavaScript-Equality-Table/>

**Codepen URL:** <https://codepen.io/qaifikhan/pen/KEmYrr>

**My Twitter Handle:** @qaifikhan

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All the Best!