



Most common **JavaScript** Interview Questions

What is the **difference** between

`==`

and

`== ?`

?

?



JavaScript is a **loosely typed language** which means we don't have to **declare** a variable's **type** at creation, and a variable can change types afterwards.

number
→

To a computer, the characters **2** and **"2"** are entirely different.

String
↑

→ I'm not so strict
by my nature



Using the `==` operator, we are trying to **determine if two items are exactly equal**, which means they must match in **type** and **value**.



```
2 === 2      // true  
2 === "2"    // false
```

```
2 == 2      // true  
2 == "2"    // true
```

If we instead use `==`, JavaScript will try to **convert** them to the same type and then compare them.



For `2 == "2"` JavaScript **converts** the "2" to a number 2 before checking if they're equal which is why we get true.

The `==` comparision is almost always **favoured** over `=` because it is more explicit and **prevents unintended bugs**.



Check these interesting cases :

```
0 == ' ';           // true
0 == '0';          // true
0 == false;         // true
null == undefined; // true
1 == [1];          // true
1 == true;          // true
1 == '1';          // true
```



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