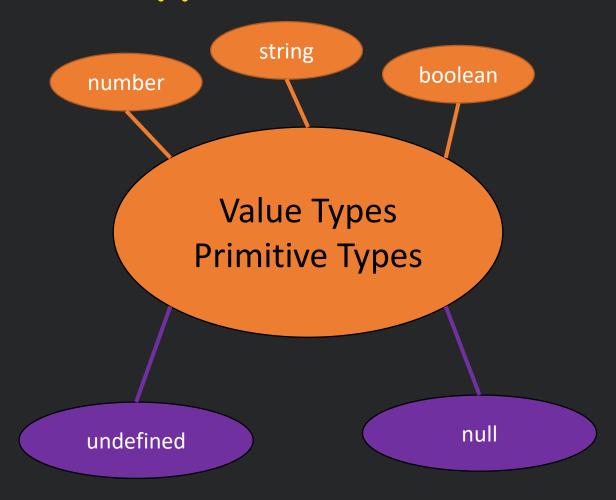
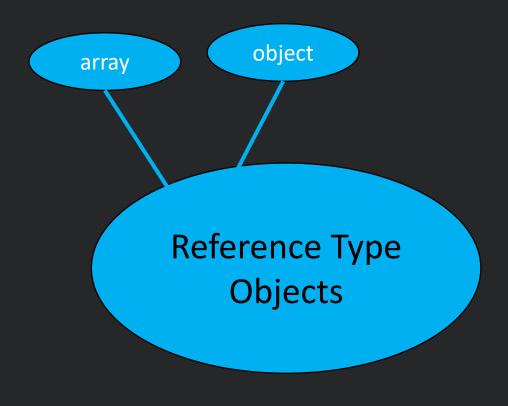


JS Data Types

(part 4: null & undefined)

Data Types







1. Null & undefined

✓ undefined: undefined = "CHUA được định nghĩa / gán"

Nếu bạn không trả lời được câu hỏi giá trị của một variable / object / property / function là gì, thì 96% nó sẽ mang giá trị undefined!

implicitly

✓ null:

KHÔNG chứa gì cả | trỏ vào hư không =))

PHÁI có ai đó gán null (cho object/variable/property) hoặc trả về null (với function) thì nó mới có giá trị null.

Còn ko thì vẫn là undefined!



2. undefined

✓ undefined - variables/objects: without init value

```
let x;
console.log(x); // -> undefined
```

✓ undefined - function: without return value

```
function sum(a, b) {
    const c = a + b;
}
console.log(sum(1, 2)); // -> undefined
```

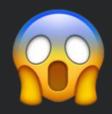
2. undefined

✓ undefined - function: not passing prameters

```
function print(a, b) {
     console.log("a = " + a);
console.log("b = " + b);
print(1);
// b = undefined
```

2. undefined

✓ undefined – object: access to non-exist property



```
const myObj = {
   name: "Jim",
};

console.log(myObj.age); // -> undefined
```

✓ undefined: with void operator:

void 0

3. null

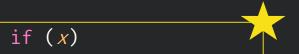
√ explicitly

✓ null: it is primitive value but type of null is object

console.log(typeof null); // -> object

4. Check null and undefined

✓ If you try to access properties/methods from an undefined or null => ERROR



NOTE_1: empty string, 0, NaN, false

if
$$(x == undefined)$$

NOTE_2: undefined is not a keyword

if
$$(x == void 0)$$

NOTE_3: CAN NOT distinguish between

if
$$(x == null)$$

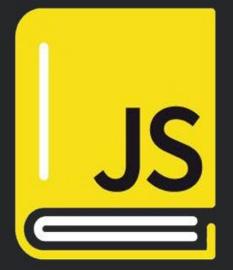
NOTE 4: only for undefined

if (typeof x == "undefined")

Refs

- https://developer.mozilla.org/en-US/docs/Glossary/undefined
- https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global Objects/null





JS Data Types

(part 4: null & undefined)