HOISTING

JS

STOP SAYING THIS DEFINITION WHILE ANSWING HOISTING

Hoisting is a javascript mechanism where variables and function declarations are moved to the top to their scope before code execution

FIRST WE WILL UNDERSTANDING HOSITING THEN WE WILL COME BACK TO DEFINITION

```
Var x=5;

console.log(x+""+y)

var y=7;
```

output: 5 Undefined

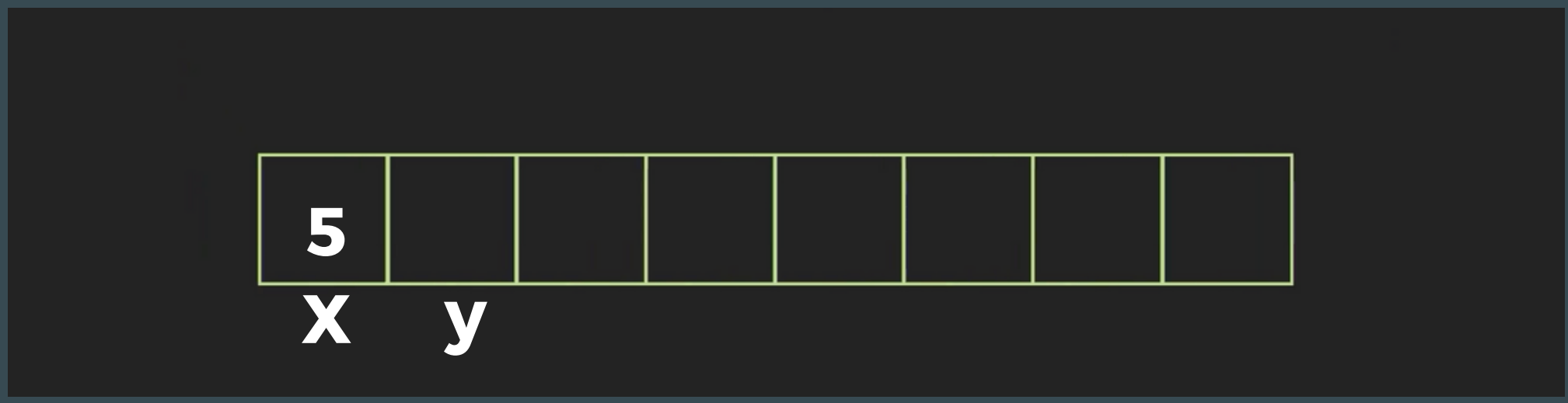
In other programming languages when we call the variables and functions even before it declared , it throws error

But here in Javascript its throws "undefined"

Background behaviour

When variables and functions are declared, javascript allocates space to variables and functions in the memory even before its executed.

- Which means with our simple code above ,the memory allocations follows like this



- As y is called way before its executed , the memory will be allocated but the values not been intialized

That's the reason you see "undefined" when its called before execution

Definition

Javascript mechanism allocates space to the variables and functions way before its executed.

So that's the reason we see "undefined" when the variable is called even before its declared

To get ride of this behaviour

- **Javascript introduced Let keyword for declaring variables and to get ride of hoisting.**
- **For functions , it introduced arrow functions to solve hositing issue**