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CHAP 3: Hoisting in JS (Variables & Functions)

* In JS, even before the code starts executing the memory is allocated to every variable and function. *

- Hoisting: Hoisting is a phenomenon in which we can access the variables & functions even before initializing or declaring it. ~~without~~

OR

- It is a phenomenon in which the variable and function declaration move to top of their scope

```
getName();
console.log(x);
console.log(getName);

var x = 7;
function getName() {
    console.log("Namaste Javascript");
}
```

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- Output:
Namaste Javascript
undefined
function : { ... }

Scenario 2:

getName (); → Error will be thrown
console.log (x); (∵ getName is not a fn)
console.log (getName);

var x = 7;
var getName = () => {
    console.log ("Namaste JS");
}

- Because now this will be treated as a variable not fn.

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-> Not defined scenario :

```
console.log(x);  (3.1)
getName();

function getName() {
    console.log("DP");
}
```

(3.1) So, as we go to this line, it will throw an error x is not defined, because it will find that no x is initialized in the program, which means our program hasn't reserved any memory for x, therefore not defined.