JONAS.IO
SCHMEDTMANN

THE COMPLETE
JAVASCRIPT COURSE

FROM ZERO TO EXPERT!

@JONASSCHMEDTMAN

SECTION

HOW JAVASCRIPT WORKS BEHIND THE
SCENES

LECTURE

THE THIS KEYWORD

JS

HOW THE THIS KEYWORD WORKS

👉 **`this` keyword/variable:** Special variable that is created for every execution context (every function). Takes the value of (points to) the "owner" of the function in which the `this` keyword is used.

☝ `this` is **NOT** static. It depends on **how** the function is called, and its value is only assigned when the function **is actually called**.

EXECUTION CONTEXT

☑ Variable environment
☑ Scope chain
👉 `this` keyword

Method 👉 `this = <Object that is calling the method>`

In strict mode! Otherwise: window (in the browser)

Simple function call 👉 `this = undefined`

Don't get own this

Arrow functions 👉 `this = <this of surrounding function (lexical this)>`

Event listener 👉 `this = <DOM element that the handler is attached to>`

`new`, `call`, `apply`, `bind` 👉 *<Later in the course... ⏳>*

☝ `this` does **NOT** point to the function itself, and also **NOT** the its variable environment!

👉 Method example:

```
const jonas = {
  name: 'Jonas',
  year: 1989,
  calcAge: function() {
    return 2037 - this.year;
  }
};
jonas.calcAge(); // 48
```

calcAge is method

jonas

1989

Way better than using `jonas.year`!