



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>

Simple function call 👉 **this** = undefined

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

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!