

THE COMPLETE JAVASCRIPT COURSE

FROM ZERO TO EXPERT!

SECTION

HOW JAVASCRIPT WORKS BEHIND THE SCENES

LECTURE

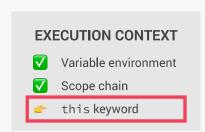
THE THIS KEYWORD



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**.



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

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

Simple function call this = undefined

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... \(\begin{align*}
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```

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 jonas 1989
is method
```

Way better than using jonas. year!