

Quick Recap

index.html

```
<!doctype html>
<html>
  <head>
    <title>
      Домашняя страница Васи Пупкина
    </title>
  </head>

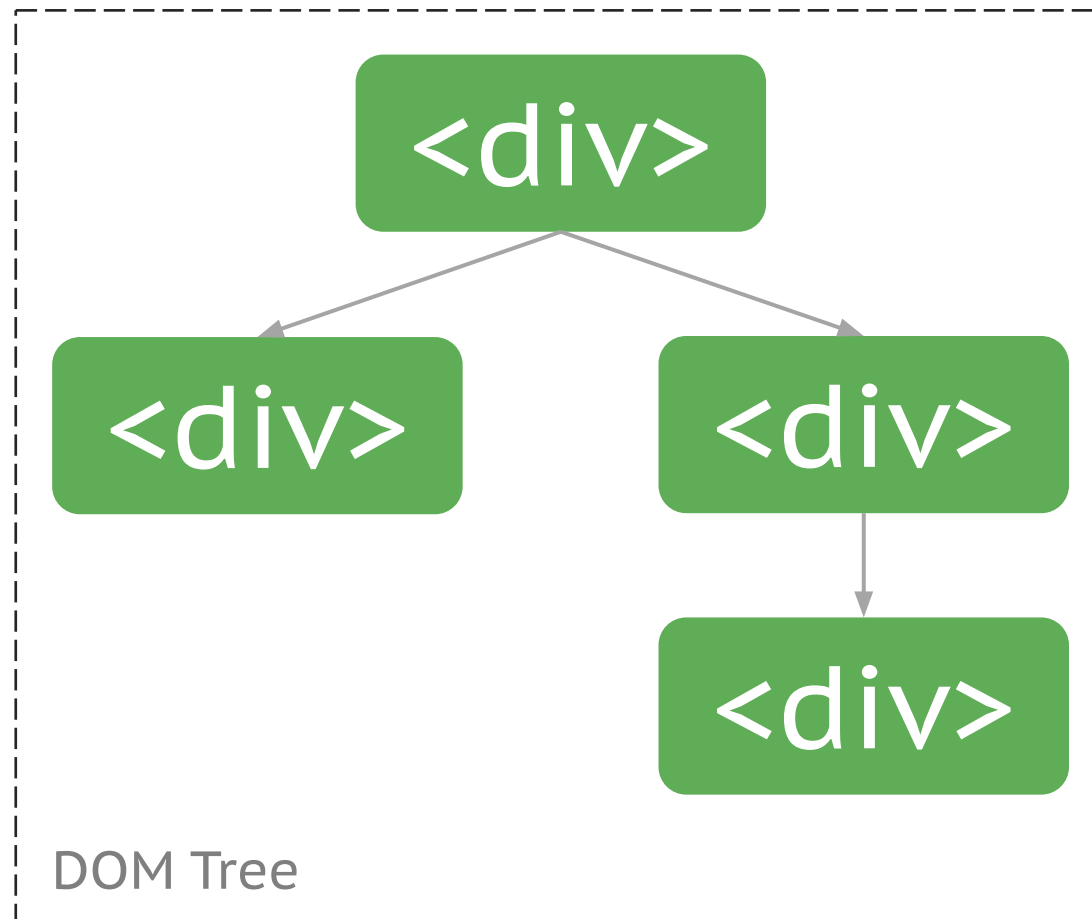
  <body>
    . . .
  </body>
</html>
```

web page

```
<tag> </tag>
```

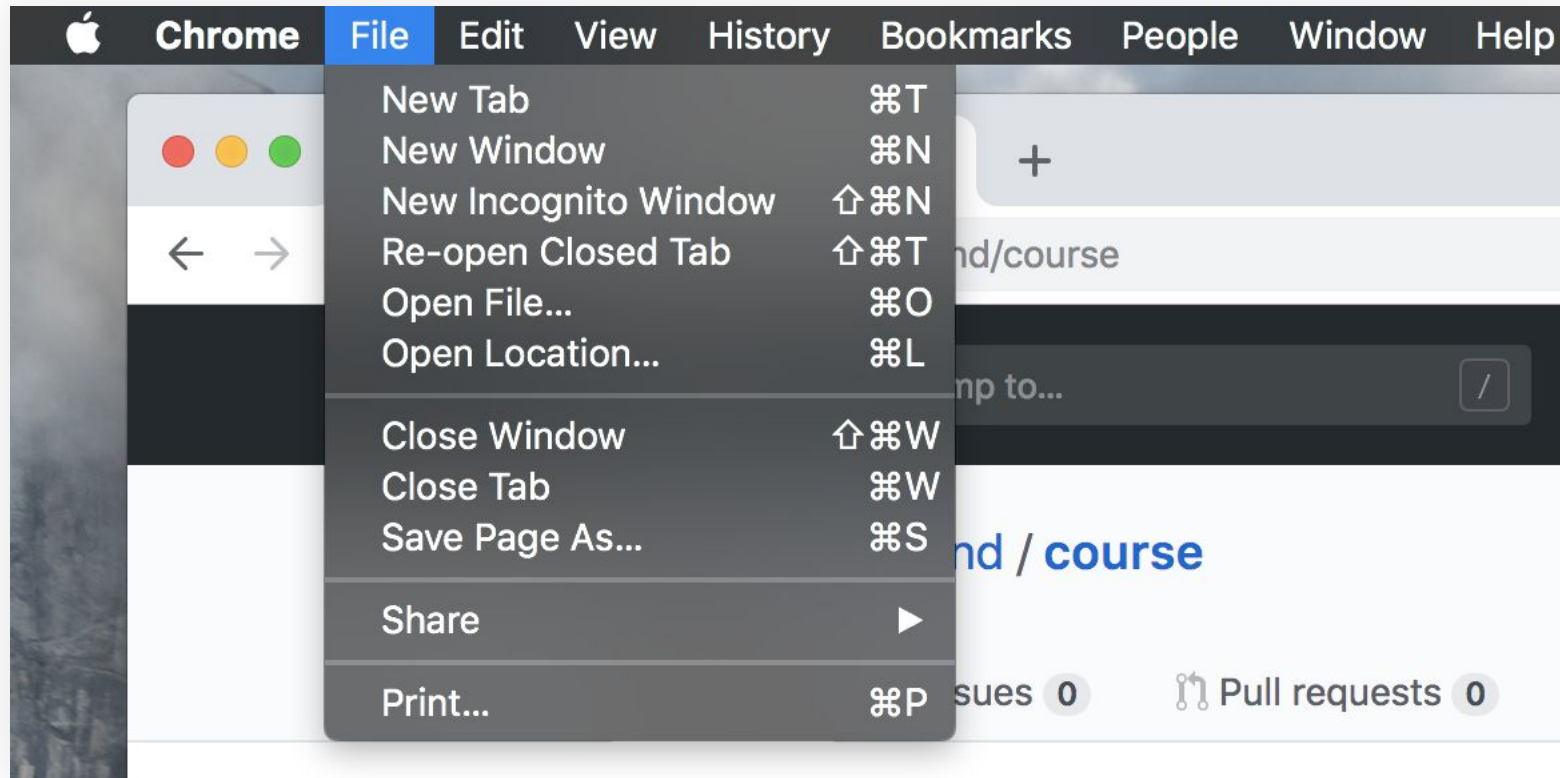
nested.html

```
<div>  
  <div> Какой-то блок </div>  
  <div>  
    Нырнём поглубже  
    <div> Достаточно. </div>  
  </div>  
</div>
```



вложенные теги

```
<tag attr='value'>
```



glance at your creation

[am-cp-frontend/course](#)

[Code](#) [Issues 0](#) [Pull requests 0](#) [Projects 0](#) [Wiki](#) [Insights](#) [Settings](#)

Курс по frontend-разработке на базе факультета прикладной математики СПбГУ

Edit

Cancel edit description



Manage topics

Cancel manage topics

- [2 commits](#)
- [1 branch](#)
- [0 releases](#)
- [1 contributor](#)

Branch: master

Switch branches/tags

Find or create a branch.

- [Branches](#)
- [Tags](#)

✓ [master](#)



Create branch: from 'master'

Nothing to show

[New pull request](#)

Create new file

[Upload files](#) [Find file](#)

Clone or download



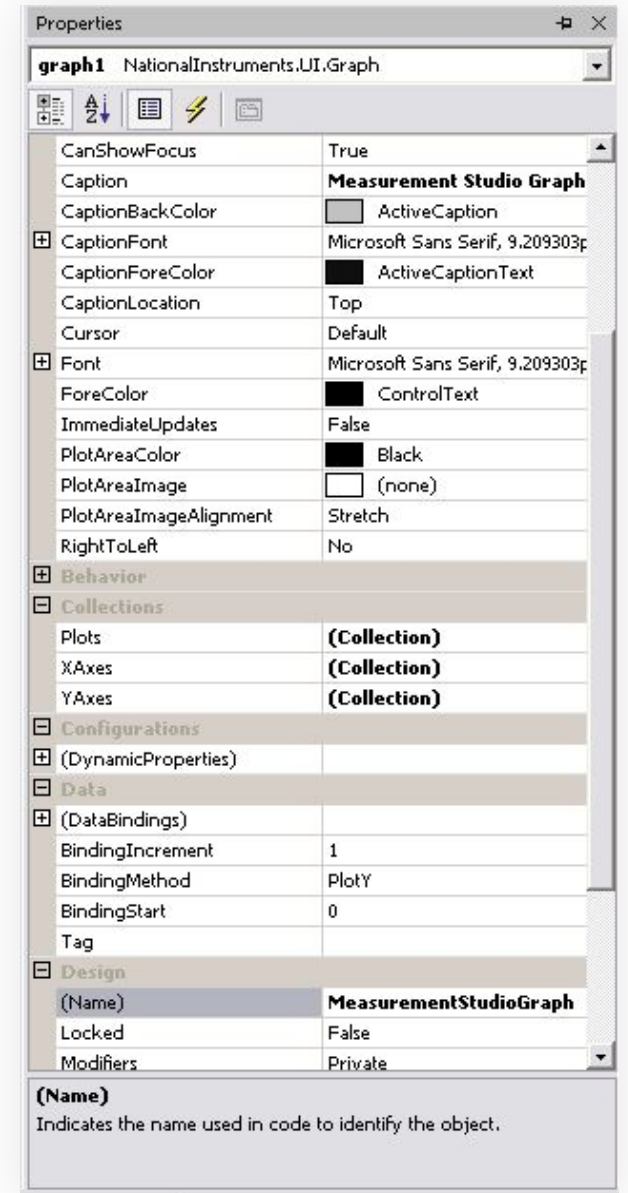
[brotheroftux](#) [Added course roadmap link](#)

Latest commit [b45c702](#) 3 days ago



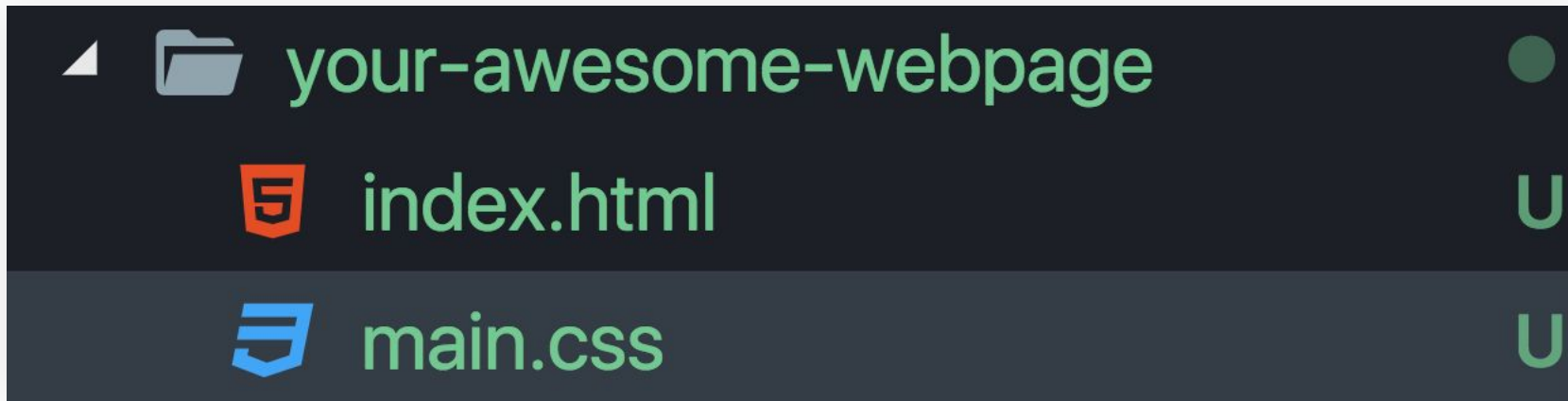
why

```
selector {  
    property: value;  
}
```



basic syntax

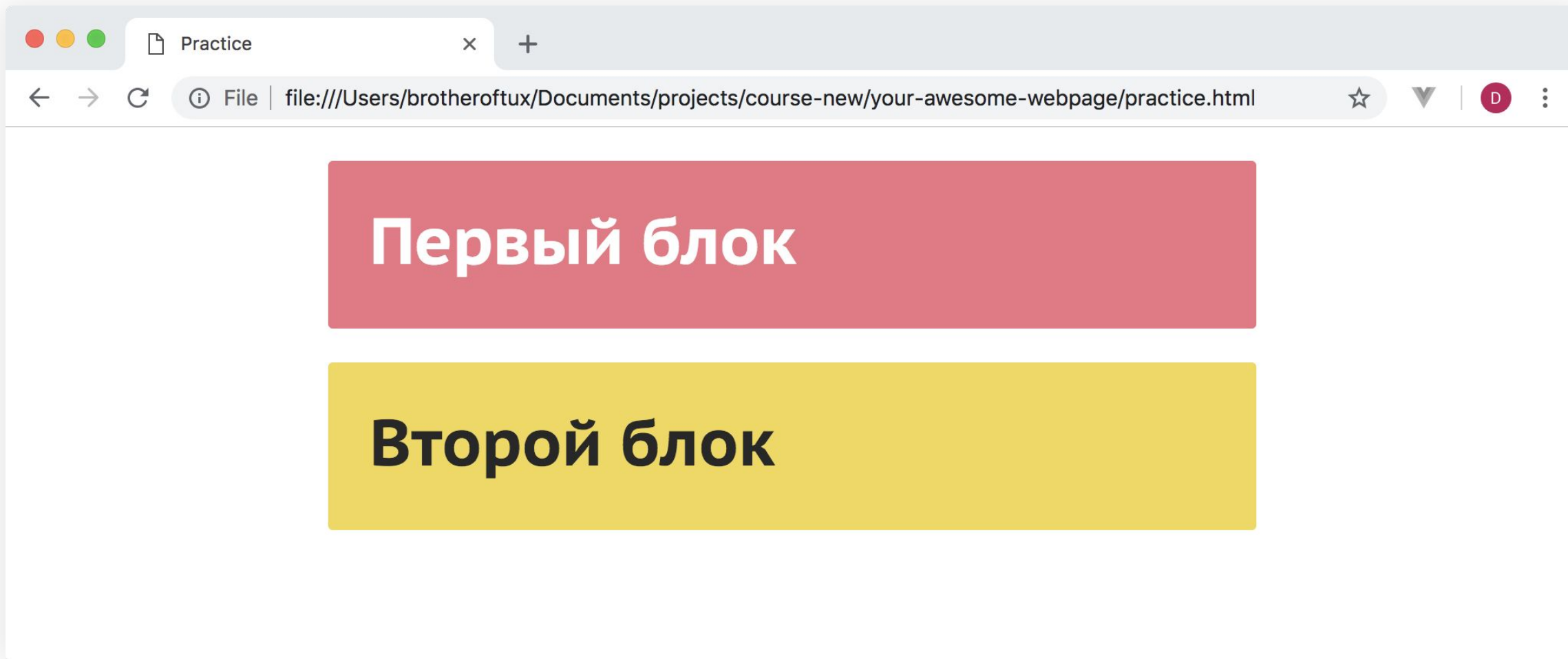

```
.className  
#idValue  
div
```



file tree

```
<link rel='stylesheet'  
      href='main.css' />
```

Практика



JS

The image shows a browser window with the URL `github.com/am-cp-frontend/course`. The page displays the GitHub repository interface for `am-cp-frontend/course`. The repository name is `am-cp-frontend / course`. The page shows 5 commits, 1 branch, and 0 releases. The current branch is `master`. A commit by `brotheroftux` is highlighted, with the message "Added slides for the first lecture". Below the commit list, there is a section for `readme.md` with the title `Курс по frontend-разработке (2018 edition)`.

The DevTools console is open on the right side of the browser. The console shows the message `Console was cleared` and the text `< undefined` on the line `VM58:1`. The console tabs at the bottom include `Console`, `What's New`, `Remote devices`, and `Rendering`.

Basics


```
let variable = value
```

To ; or not to ;

```
var variable = value
```

const some = constVal

variables.js

```
const number = 0.5
const string = 'Hey guys, massive legend here!'
const array = ['some', 42, number]

// yikes
const greeter = name => `Hello, ${name}`
console.log(greeter('world'))
```

Типы данных

Number

42.0


```
> 42 / 0
```

```
Infinity
```

String

‘Продам гараж’

```
> 'THANOS' + 'CAR'
```

```
THANOS CAR
```



```
const str = 'Hello'  
str[0] = 'B'  
// no effect
```

Boolean

```
> true !== false
```

```
true
```


Null

Undefined

Symbol

Object

```
const object = {  
  someKey: 'value',  
  another: 7  
}
```

```
> object.someKey
```

```
value
```

```
> object['another']
```

```
7
```

```
const a = {k: 1}
```

```
const b = a
```

```
a.k = 2
```

```
b.k
```

```
// 2
```

always by reference

Синтаксические конструкции

If clause

```
if (condition) {  
    statements  
}
```

```
if (condition) {  
    statements  
}  
else {  
    more statements  
}
```

```
if (condition) {  
    statements  
} else if (cond) {  
    more statements  
}
```

0, null, undefined, ' ',
false, NaN

```
if ( '0' )  
    console.log( 'yikes' )
```

```
> 5 == '5'
```

```
true
```

```
> 5 === '5'
```

```
false
```

many pitfalls of js comparisons

Lööps


```
while (condition) {  
    statements  
}
```

```
for (i; cond; i++) {  
    statements  
}
```

```
for (el of iterable) {  
    statements  
}
```

for-of.js

```
const numbers = [1, 2, 3, 7]
```

```
for (let number of numbers)  
  console.log(number)
```

```
/*
```

```
1
```

```
2
```

```
3
```

```
7
```

```
*/
```

```
for (key in iterable) {  
    statements  
}
```

for-of.js

```
const numbers = [1, 2, 3, 7]
```

```
for (let index in numbers)  
  console.log(index)
```

```
/*
```

```
0
```

```
1
```

```
2
```

```
3
```

```
*/
```

Functions

```
function name (args) {  
    statements  
}
```



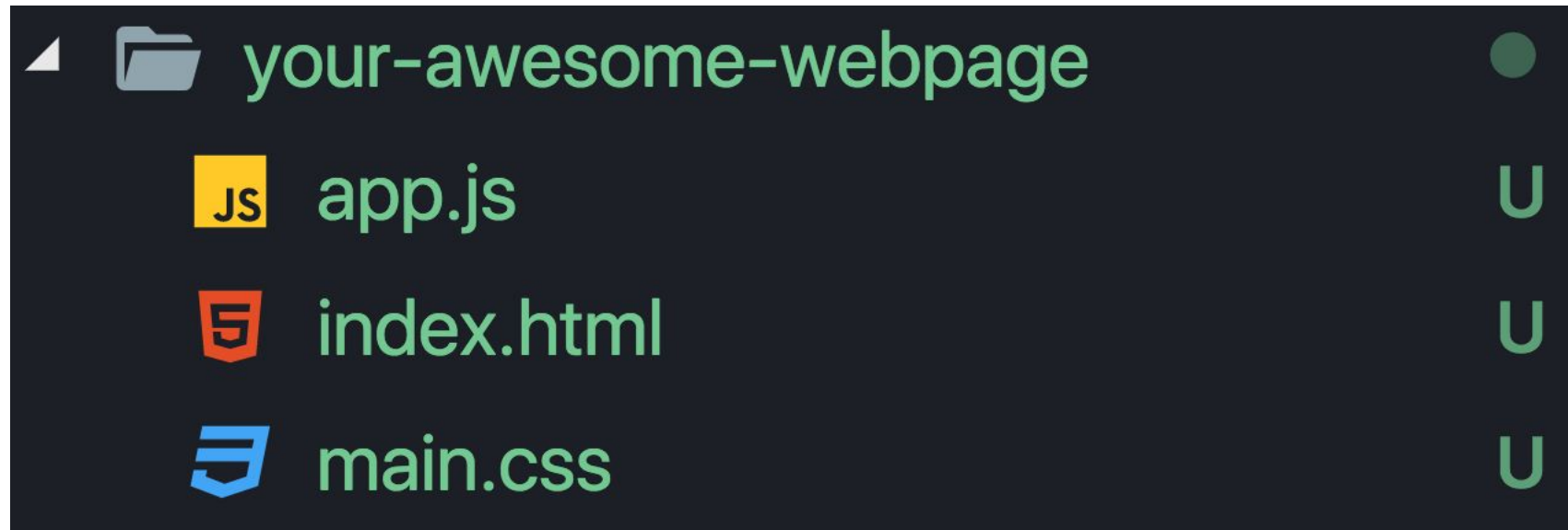
```
function (args) {  
    statements  
}
```

anonymous.js

```
const greeter = function (name) {  
    console.log('Hello, ' + name.toString())  
}  
  
greeter('Billy')
```

Практика

DOM API



file tree

```
<script src='app.js'>  
</script>
```

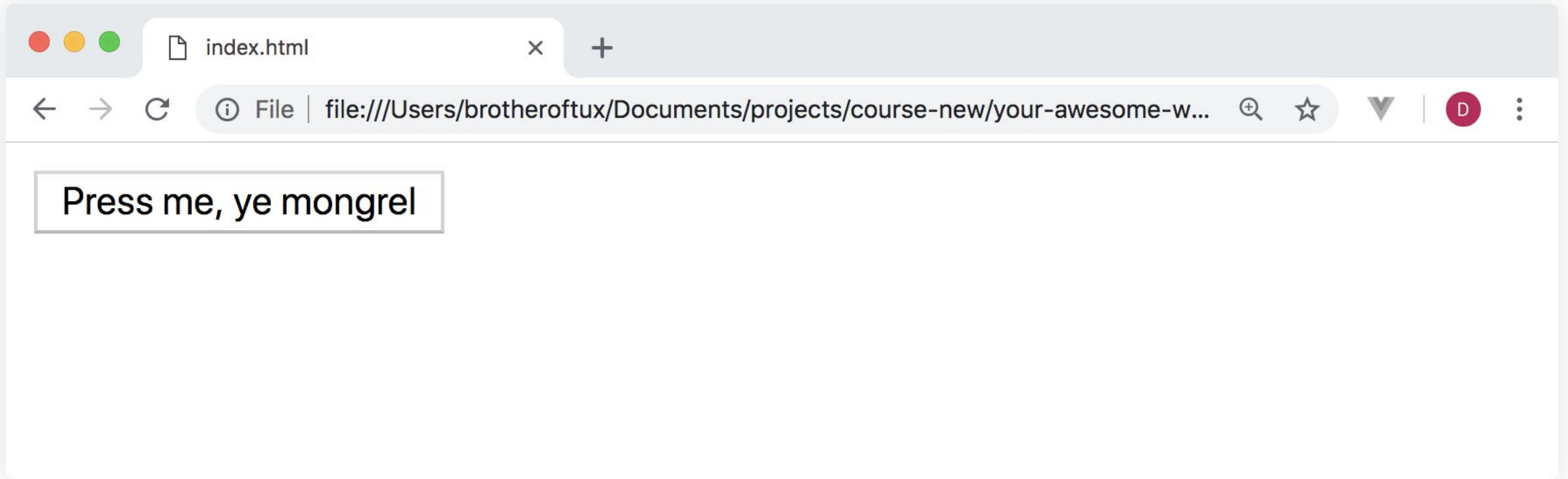
```
<script>
```

```
    your awesome code
```

```
</script>
```

button.html

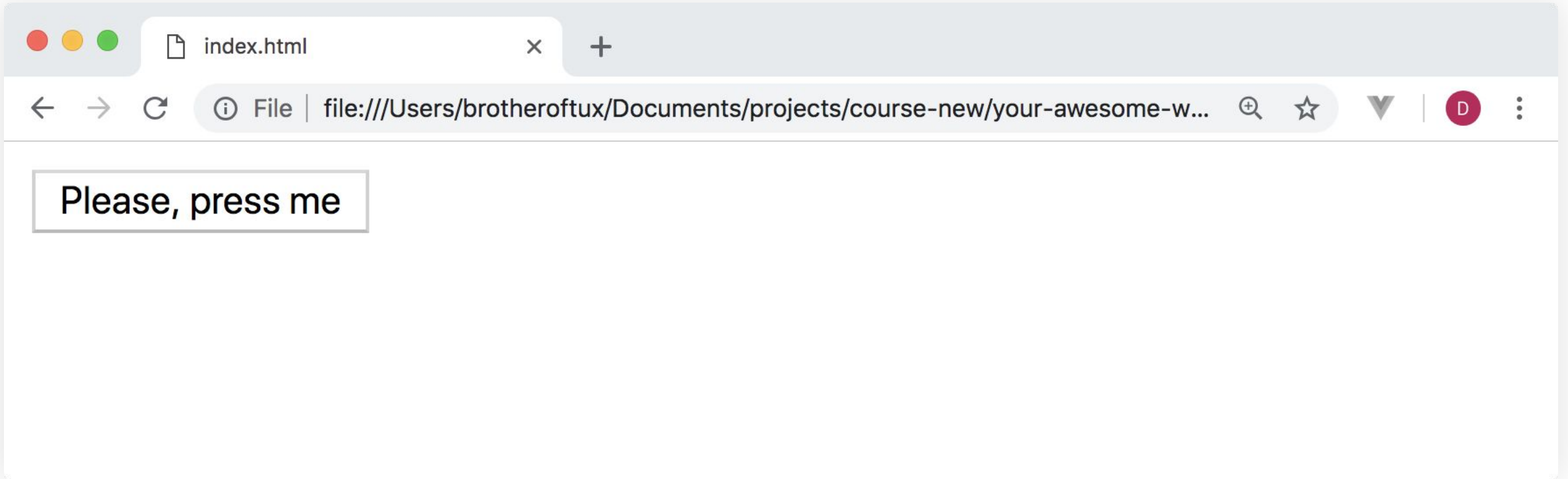
```
<button id='button'>Press me, ye mongrel</button>
```



button tag

querySelector.js

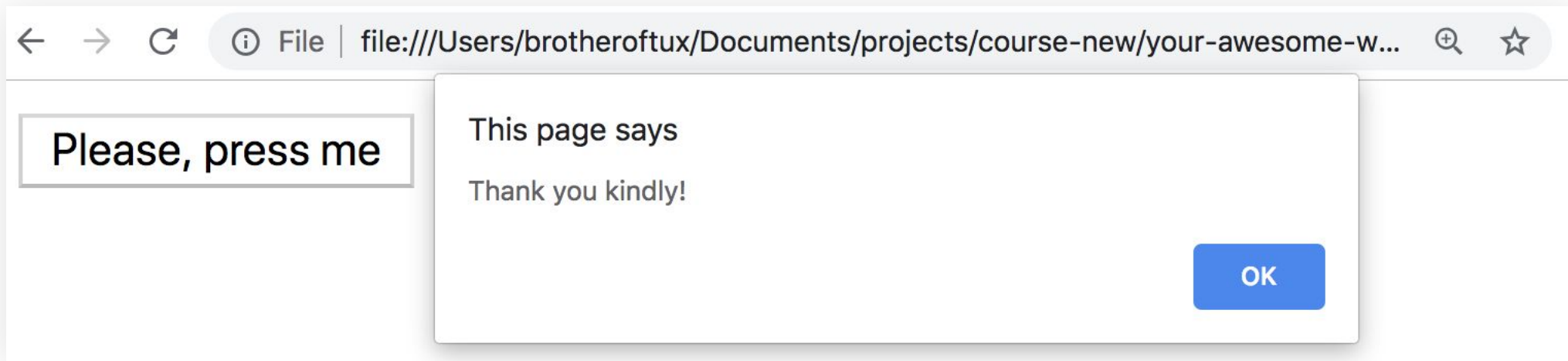
```
const button = document.querySelector('#button')  
button.textContent = 'Please, press me'
```



query selector

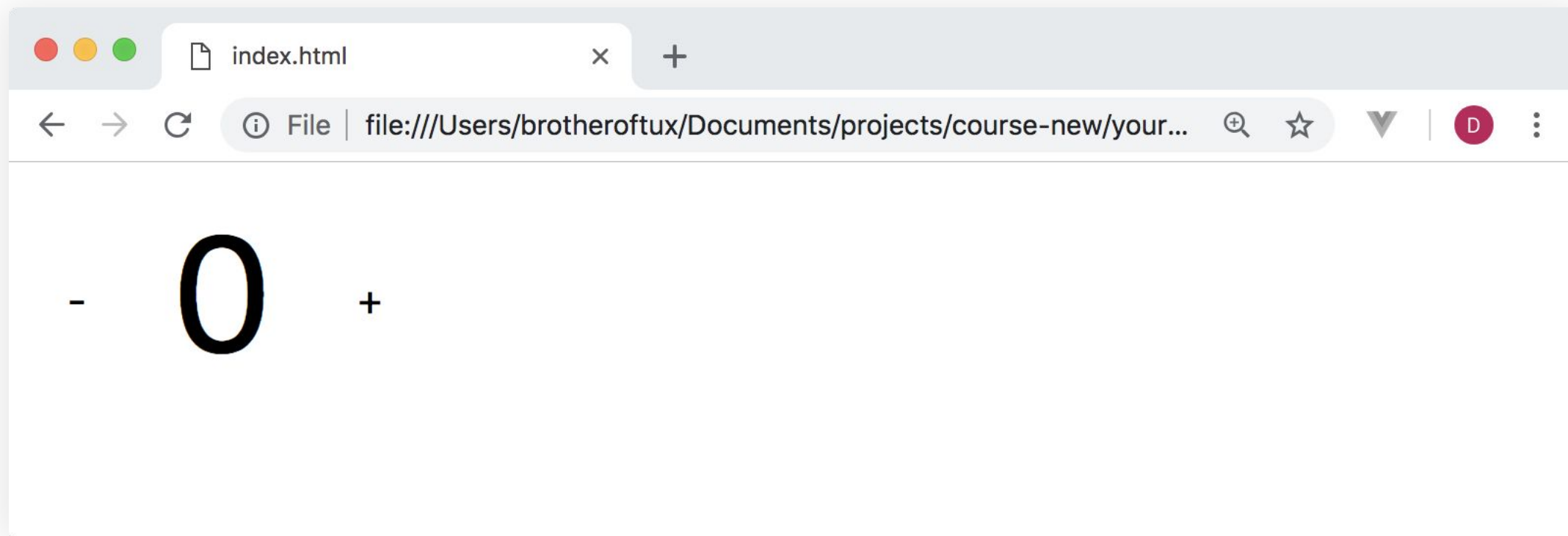
addEventListener.js

```
const button = document.querySelector('#button')  
  
button.addEventListener('click', function () {  
  alert('Thank you kindly!')  
})
```



event listeners

Практика



practice