

Javascript desde cero

Ignácio Gutierrez (Bluuweb)

<https://www.youtube.com/watch?v=Zwcqg-7IDI0&list=PLPI81lqbj-4I11QPam9ApoT7tGbmyBg9P>

Resumo do curso feito por Roberto Pinheiro

Aula 1 - Introdução

Executando um arquivo em javascript

<http://localhost/javascript-desde-cero/aula-1/aula-1a.html>

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Javascript - Introdução</title>
</head>
<body>

  <script src="js/aula-1a.js"></script>
</body>
</html>
```

aula-1/js/aula-1a.js

```
alert("Funcionando!");
```



Variáveis em Javascript

<http://localhost/javascript-desde-cero/aula-1/aula-1b.html>

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Javascript - Introdução</title>
</head>
<body>

  <script src="js/aula-1b.js"></script>
</body>
</html>
```

[aula-1/js/aula-1b.js](#)

```
/* Variáveis */

var numero = 5;

alert(numero);

var num1 = 5;
var num2 = 10;

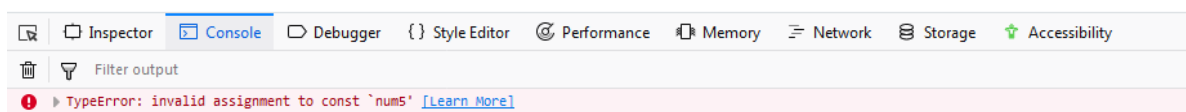
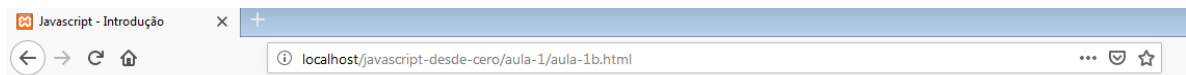
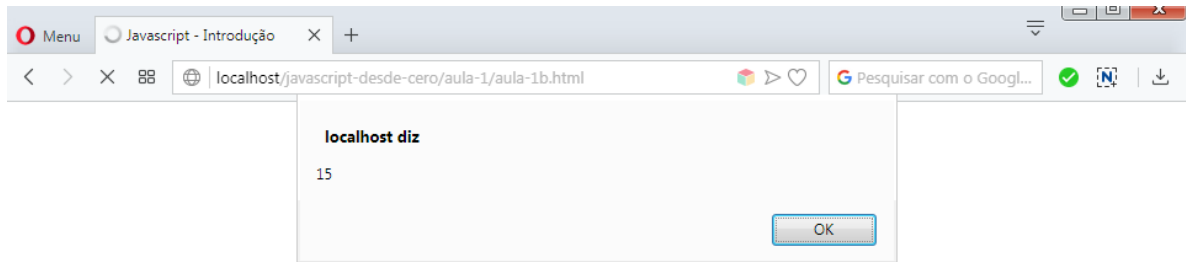
alert(num1 + num2);

var num3 = 5;
var num4 = '10';

alert(num3 + num4);

const num5 = 20;
num5 = 10; // Vai gerar um erro

alert(num5);
```



Operadores de incremento e de decremento

<http://localhost/javascript-desde-cero/aula-1/aula-1c.html>

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Javascript - Introdução</title>
</head>
<body>

  <script src="js/aula-1c.js"></script>
</body>
</html>
```

aula-1/js/aula-1c.js

```
var num1 = 5;

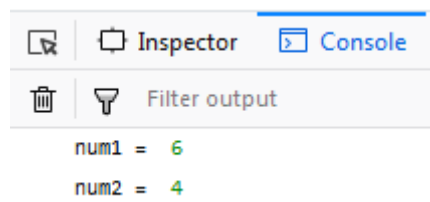
num1++;

console.log('num1 = ', num1);

var num2 = 5;

num2--;

console.log('num2 = ', num2);
```



Condicionais em Javascript

if-else

<http://localhost/javascript-desde-cero/aula-1/aula-1d.html>

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Javascript - Introdução</title>
</head>
<body>
  <script src="js/aula-1d.js"></script>
</body>
</html>
```

aula-1/js/aula-1d.js

```
/* Condicionais */



var numero = 10;
var nome = 'Roberto';
var status = true;



if((numero > 5) && (nome === 'Roberto')){
  console.log('Verdadeiro');
} else {
  console.log('Falso');
}

if(status){
  console.log('Verdadeiro');
} else {
  console.log('Falso');
}

if(!status){
  console.log('Verdadeiro');
} else {
  console.log('Falso');
}
```

```
if(numero>15 || status){  
  console.log('Verdadeiro');  
} else {  
  console.log('Falso');  
}
```

 Inspector  Console

  Filter output

Verdadeiro

Verdadeiro

Falso

Verdadeiro

Arrays em Javascript

<http://localhost/javascript-desde-cero/aula-1/aula-1e.html>

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Javascript - Introdução</title>
</head>
<body>
  <script src="js/aula-1e.js"></script>
</body>
</html>
```

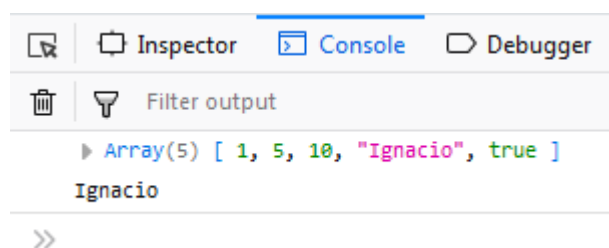
aula-1/js/aula-1e.js

```
/* Arrays */

var array = [1,5,10,'Ignacio',true];

console.log(array);

console.log(array[3]);
```



Estruturas de controle em Javascript

<http://localhost/javascript-desde-cero/aula-1/aula-1f.html>

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Javascript - Introdução</title>
</head>
<body>
  <script src="js/aula-1f.js"></script>
</body>
</html>
```

aula-1/js/aula-1f.js

```
/* Estruturas de controle */

var array = [1,5,10,'Ignacio',true];

for(var i = 0; i < array.length; i++){
  console.log(array[i])
}

var i = 1;

while(i<=5){
  console.log('i = ', i);
  i++;
}

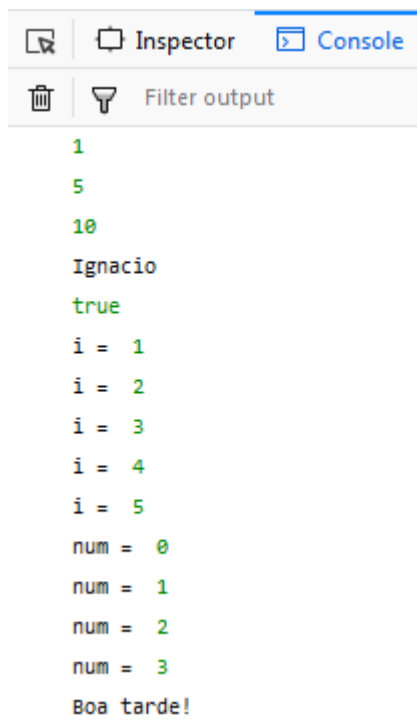
var num = 0;

do {
  console.log('num = ', num);
  num++;
} while(num < 4);
```



```
var hora = 15;

switch(hora){
  case 10:
    console.log('Bom dia!');
    break;
  case 15:
    console.log('Boa tarde!');
    break;
  case 20:
    console.log('Boa noite!');
    break;
  default:
    console.log('Saudação não programada!');
}
```



Funções em Javascript

<http://localhost/javascript-desde-cero/aula-1/aula-1g.html>

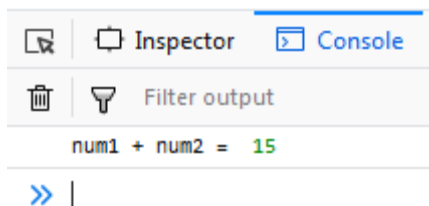
```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Javascript - Introdução</title>
</head>
<body>
  <script src="js/aula-1g.js"></script>
</body>
</html>
```

[aula-1/js/aula-1f.js](#)

```
var num1 = 5;
var num2 = 10;

function soma(n1, n2){
  console.log('num1 + num2 = ', n1 + n2);
}

soma(num1, num2);
```



Aula 2 - var, let e const - Diferenças

Inicialização de variáveis

- Uma variável **var** pode ser inicializada uma ou mais vezes, deve ter um valor atribuído, caso contrário será gerada uma mensagem de alerta do tipo: **variável undefined** e pode ter um novo valor atribuído.
- Uma variável **let** só pode ser inicializada uma única vez, deve ter um valor atribuído, caso contrário será gerada uma mensagem de alerta do tipo: **variável undefined** e pode ter um novo valor atribuído.
- Uma constante **const** só pode ser inicializada uma única vez, deve ter um valor atribuído, caso contrário será gerada uma mensagem de erro de **sintaxe** e não pode ter um novo valor atribuído.

var

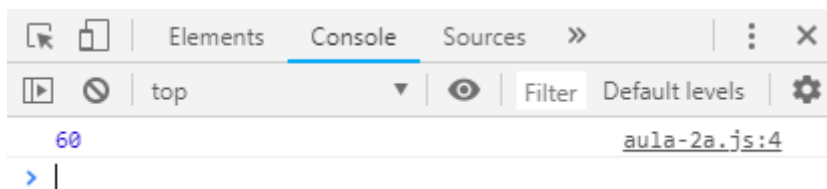
http://localhost/javascript-desde-cero/aula-2/aula-2a.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>var, let e const</title>
</head>
<body>
  <script src="js/aula-2a.js"></script>
</body>
</html>
```

aula-2/js/aula-2a.js

```
var idade = 65;
var idade = 60;

console.log(idade);
```



let

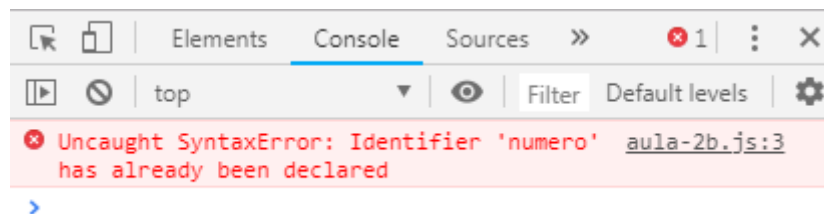
http://localhost/javascript-desde-cero/aula-2/aula-2b.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>var, let e const</title>
</head>
<body>
  <script src="js/aula-2b.js"></script>
</body>
</html>
```

aula-2/js/aula-2b.js

```
let numero = 12;
let numero = 20;

console.log(numero);
```



Vida de uma variável

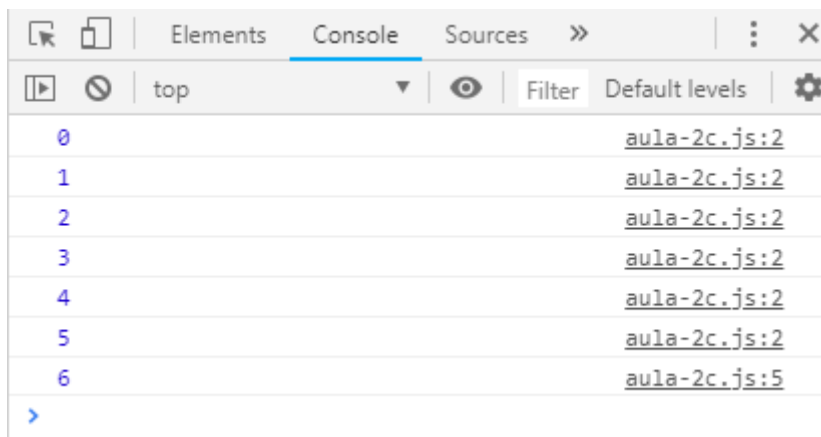
<http://localhost/javascript-desde-cero/aula-2/aula-2c.html>

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>var, let e const</title>
</head>
<body>
  <script src="js/aula-2c.js"></script>
</body>
</html>
```

[aula-2/js/aula-2c.js](#)

```
for (var i = 0; i <= 5; i++){
  console.log(i);
}

console.log(i);
```



Com **var**, mesmo após ter terminado o loop **for** a variável **i** continua existindo.

<http://localhost/javascript-desde-cero/aula-2/aula-2d.html>

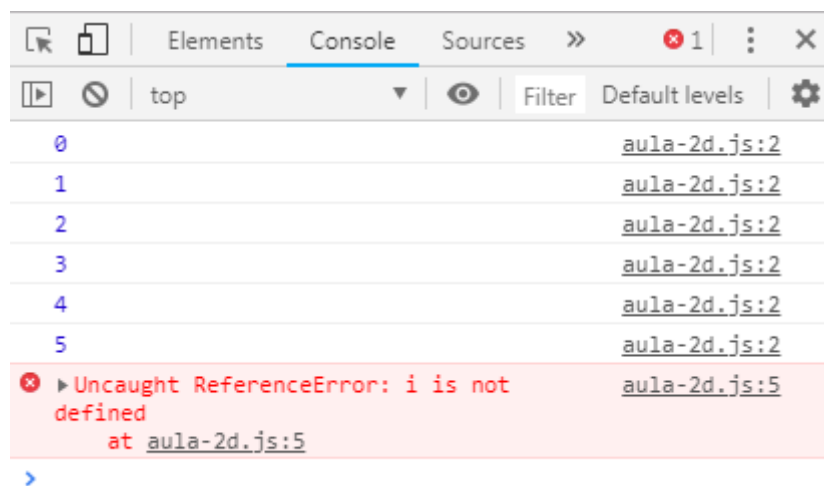
```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>var, let e const</title>
</head>
<body>
  <script src="js/aula-2d.js"></script>
</body>
</html>
```

aula-2/js/aula-2d.js

```
for (let i = 0; i <= 5; i++){
  console.log(i);
}

console.log(i);
```

Com **let**, a variável só existe no ambiente em que é criada. Portanto, após o término do loop **for** a variável **i** deixa de existir.



http://localhost/javascript-desde-cero/aula-2/aula-2e.html

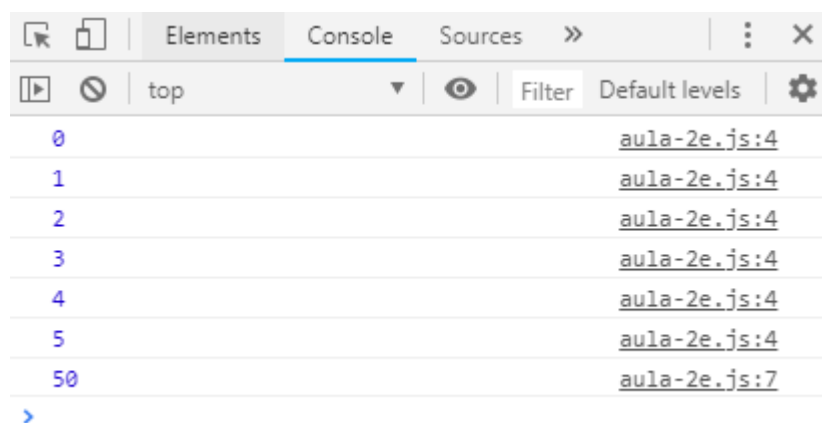
```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>var, let e const</title>
</head>
<body>
  <script src="js/aula-2e.js"></script>
</body>
</html>
```

aula-2/js/aula-2e.js

```
let i = 50;

for (let i = 0; i <= 5; i++){
  console.log(i);
}

console.log(i);
```



0	aula-2e.js:4
1	aula-2e.js:4
2	aula-2e.js:4
3	aula-2e.js:4
4	aula-2e.js:4
5	aula-2e.js:4
50	aula-2e.js:7
>	

const

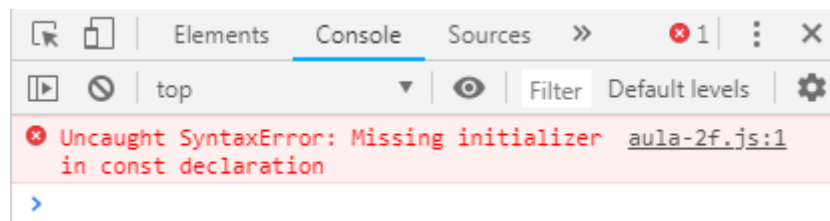
<http://localhost/javascript-desde-cero/aula-2/aula-2f.html>

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>var, let e const</title>
</head>
<body>
  <script src="js/aula-2f.js"></script>
</body>
</html>
```

[aula-2/js/aula-2f.js](#)

```
const numero;

console.log(numero);
```



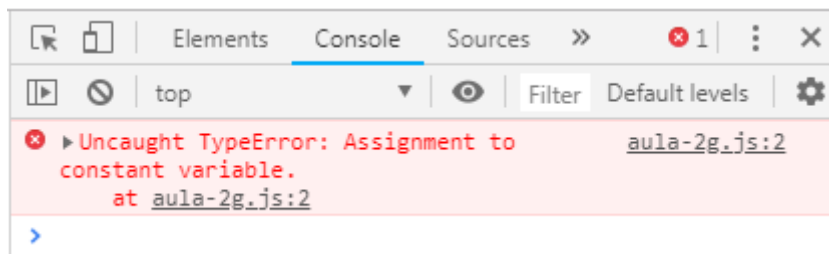
<http://localhost/javascript-desde-cero/aula-2/aula-2g.html>

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>var, let e const</title>
</head>
<body>
  <script src="js/aula-2g.js"></script>
</body>
</html>
```

aula-2/js/aula-2g.js

```
const numero = 44;
numero = 50;

console.log(numero);
```



A uma **const** já inicializada, não é permitido atribuir um novo valor.

http://localhost/javascript-desde-cero/aula-2/aula-2h.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>var, let e const</title>
</head>
<body>
  <script src="js/aula-2h.js"></script>
</body>
</html>
```

aula-2/js/aula-2h.js

```
const numeros = [1, 2, 3];
numeros.push(4);

console.log(numeros);
```

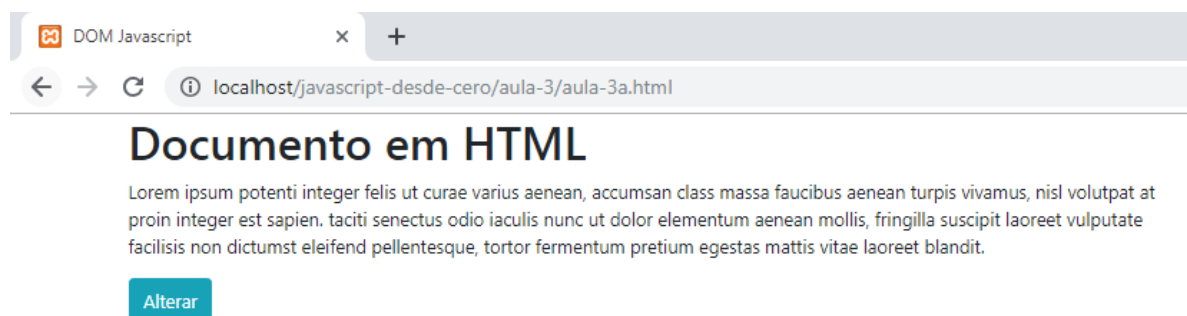


A uma **const** já inicializada, não é permitido atribuir um novo valor, porém se for um **array** podem ser incluídos valores diferentes dos existentes ou deletados valores nesse array.

Aula 3 - DOM Javascript

<http://localhost/javascript-desde-cero/aula-3/aula-3a.html>

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>DOM Javascript</title>
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css
">
</head>
<body>
  <div class="container">
    <h1 id="titulo">Documento em HTML</h1>
    <p id="paragrafo1">Lorem ipsum potenti integer felis ut curae varius
aenean, accumsan class massa faucibus aenean turpis vivamus, nisl volutpat at
proin integer est sapien. taciti senectus odio iaculis nunc ut dolor elementum
aenean mollis, fringilla suscipit laoreet vulputate facilisis non dictumst
eleifend pellentesque, tortor fermentum pretium egestas mattis vitae laoreet
blandit.</p>
    <button id="botao" class="btn btn-info">Alterar</button>
  </div>
  <script src="js/aula-3a.js"></script>
</body>
</html>
```



aula-3/js/aula-3a.js

```
var titulo1 = document.getElementById('titulo');

console.log(titulo1.innerHTML);

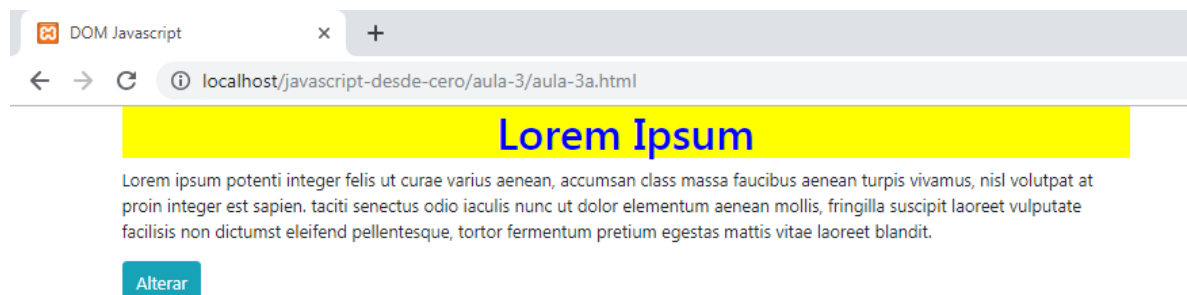
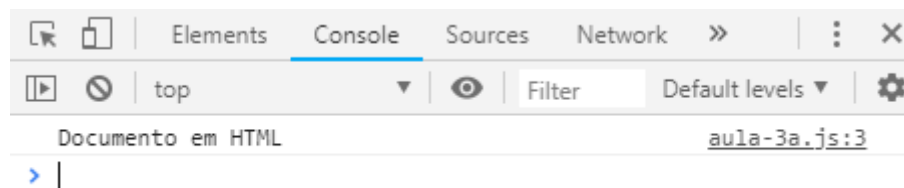
titulo1.innerHTML = "Lorem Ipsum";

titulo1.style.color = "blue";
titulo1.style.background = "yellow";
titulo1.style.textAlign = "center";

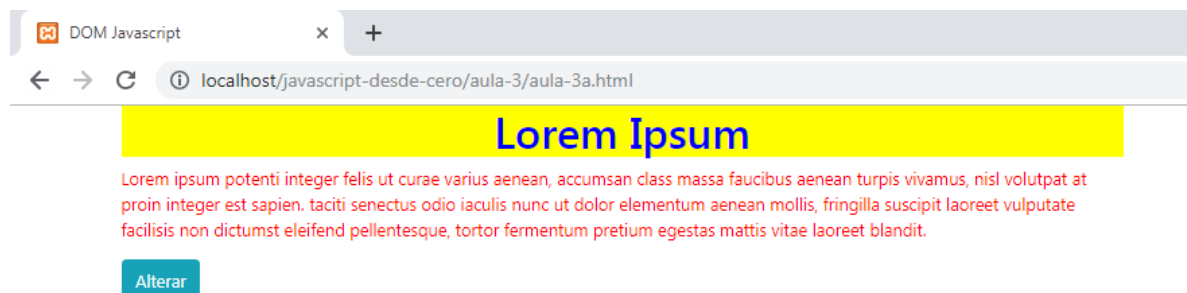
var p1 = document.getElementById('paragrafo1');
var bt1 = document.getElementById('botao');

function alterar_cor_p1(){
    p1.style.color = "red";
}

bt1.onclick = alterar_cor_p1;
```



Clicando no botão:



http://localhost/javascript-desde-cero/aula-3/aula-3b.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>DOM Javascript</title>
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
">
</head>
<body>
  <div class="container">
    <h1 id="titulo">Documento em HTML</h1>
    <p id="paragrafo1" class="lead">Lorem ipsum dictumst odio interdum
curabitur vel venenatis cursus pellentesque rhoncus, vestibulum ad consequat
cras libero enim platea porttitor nam donec est, integer leo eu ipsum
curabitur vulputate at aliquam metus. suspendisse gravida suscipit ipsum
eleifend cras orci donec dapibus justo aenean, iaculis placerat condimentum
non commodo justo etiam vestibulum cursus aptent conubia, nisi tortor tempor
facilisis sit vel lacus placerat nunc. rhoncus congue tortor curae vel per
aenean elit nisl mattis dapibus massa posuere sagittis, sed hendrerit eleifend
bibendum tortor euismod taciti donec est eu donec ornare. accumsan metus purus
semper condimentum cursus pretium nibh arcu, lobortis nulla porttitor potenti
sociosqu himenaeos ultrices, condimentum vestibulum nisi leo tristique non
luctus.</p>
    <p id="paragrafo2" class="lead">Justo suspendisse a luctus velit at
odio auctor, posuere aenean pulvinar scelerisque eget platea, justo inceptos
primis lobortis lacus praesent. conubia curae ut lobortis habitasse aliquet
primis potenti arcu id justo, vulputate iaculis nibh consequat tempus habitant
interdum nisi lacinia, massa netus at senectus primis laoreet posuere elit
erat. morbi amet curabitur tellus nullam vehicula libero nulla vel, pulvinar
molestie imperdiet urna sodales eleifend lacus tristique ullamcorper,
consequat euismod elementum quis ut malesuada urna. tempor torquent auctor
aptent cubilia potenti lacinia sem, aenean risus vestibulum aliquet cursus
quisque curabitur conubia, donec vestibulum scelerisque adipiscing ac viverra.
</p>
    <button id="botao" class="btn btn-info">Alterar</button>
  </div>
  <script src="js/aula-3b.js"></script>
</body>
</html>
```

aula-3/js/aula-3b.js

```
var lead = document.getElementsByClassName('lead');  
  
console.log(lead[1]);
```

The screenshot shows a web browser window with the address bar displaying 'localhost/javascript-desde-cero/aula-3/aula-3b.html'. The page title is 'Documento em HTML'. The main content consists of two paragraphs of Lorem Ipsum text. Below the second paragraph is a blue button labeled 'Alterar'. At the bottom of the page, a browser developer console is open, showing the 'Console' tab. A log entry indicates that the element '<p id="paragrafo2" class="lead">...</p>' was selected from 'aula-3b.js:3'. The console also shows a prompt character '>' for further input.

DOM Javascript x +

localhost/javascript-desde-cero/aula-3/aula-3b.html

Documento em HTML

Lorem ipsum dictumst odio interdum curabitur vel venenatis cursus pellentesque rhoncus, vestibulum ad consequat cras libero enim platea porttitor nam donec est, integer leo eu ipsum curabitur vulputate at aliquam metus. suspendisse gravida suscipit ipsum eleifend cras orci donec dapibus justo aenean, iaculis placerat condimentum non commodo justo etiam vestibulum cursus aptent conubia, nisi tortor tempor facilisis sit vel lacus placerat nunc. rhoncus congue tortor curae vel per aenean elit nisl mattis dapibus massa posuere sagittis, sed hendrerit eleifend bibendum tortor euismod taciti donec est eu donec ornare. accumsan metus purus semper condimentum cursus pretium nibh arcu, lobortis nulla porttitor potenti sociosqu himenaeos ultrices, condimentum vestibulum nisi leo tristique non luctus.

Justo suspendisse a luctus velit at odio auctor, posuere aenean pulvinar scelerisque eget platea, justo inceptos primis lobortis lacus praesent. conubia curae ut lobortis habitasse aliquet primis potenti arcu id justo, vulputate iaculis nibh consequat tempus habitant interdum nisi lacinia, massa netus at senectus primis laoreet posuere elit erat. morbi amet curabitur tellus nullam vehicula libero nulla vel, pulvinar molestie imperdiet urna sodales eleifend lacus tristique ullamcorper, consequat euismod elementum quis ut malesuada urna. tempor torquent auctor aptent cubilia potenti lacinia sem, aenean risus vestibulum aliquet cursus quisque curabitur conubia, donec vestibulum scelerisque adipiscing ac viverra.

Alterar

Elements Console Sources Network >> | : X

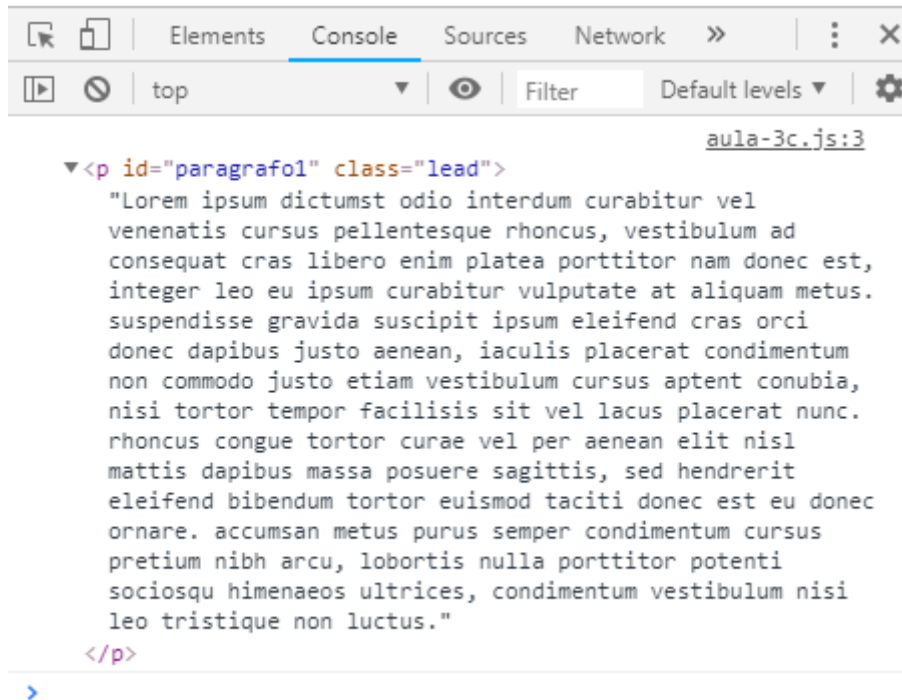
top | Filter Default levels |

> <p id="paragrafo2" class="lead">...</p> aula-3b.js:3

> |

aula-3/js/aula-3c.js

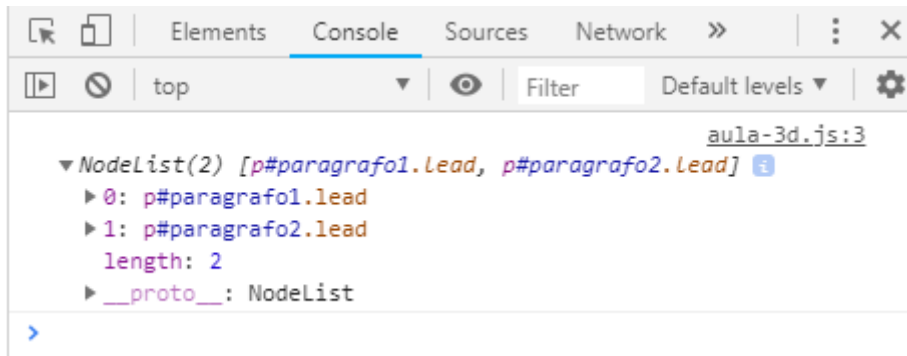
```
var paragrafos = document.querySelector('p');  
  
console.log(paragrafos);
```



Selecione apenas o primeiro parágrafo.

aula-3/js/aula-3d.js

```
var paragrafos = document.querySelectorAll('p');  
  
console.log(paragrafos);
```



Selecciona todos os parágrafos.

Eventos em Javascript

<http://localhost/javascript-desde-cero/aula-3/aula-3b.html>

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>DOM Javascript</title>
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css
">
</head>
<body>
  <div class="container">
    <h1 id="titulo">Documento em HTML</h1>
    <p id="paragrafo1" class="lead">Lorem ipsum dictumst odio interdum
curabitur vel venenatis cursus pellentesque rhoncus, vestibulum ad consequat
cras libero enim platea porttitor nam donec est, integer leo eu ipsum
curabitur vulputate at aliquam metus. suspendisse gravida suscipit ipsum
eleifend cras orci donec dapibus justo aenean, iaculis placerat condimentum
non commodo justo etiam vestibulum cursus aptent conubia, nisi tortor tempor
facilisis sit vel lacus placerat nunc. rhoncus congue tortor curae vel per
aenean elit nisl mattis dapibus massa posuere sagittis, sed hendrerit eleifend
bibendum tortor euismod taciti donec est eu donec ornare. accumsan metus purus
semper condimentum cursus pretium nibh arcu, lobortis nulla porttitor potenti
sociosqu himenaeos ultrices, condimentum vestibulum nisi leo tristique non
luctus.</p>
    <p id="paragrafo2" class="lead">Justo suspendisse a luctus velit at
odio auctor, posuere aenean pulvinar scelerisque eget platea, justo inceptos
primis lobortis lacus praesent. conubia curae ut lobortis habitasse aliquet
primis potenti arcu id justo, vulputate iaculis nibh consequat tempus habitant
interdum nisi lacinia, massa netus at senectus primis laoreet posuere elit
erat. morbi amet curabitur tellus nullam vehicula libero nulla vel, pulvinar
molestie imperdiet urna sodales eleifend lacus tristique ullamcorper,
consequat euismod elementum quis ut malesuada urna. tempor torquent auctor
aptent cubilia potenti lacinia sem, aenean risus vestibulum aliquet cursus
quisque curabitur conubia, donec vestibulum scelerisque adipiscing ac viverra.
</p>
    <button id="botao" class="btn btn-info">Alterar</button>
  </div>
  <script src="js/aula-3e.js"></script>
</body>
</html>
```

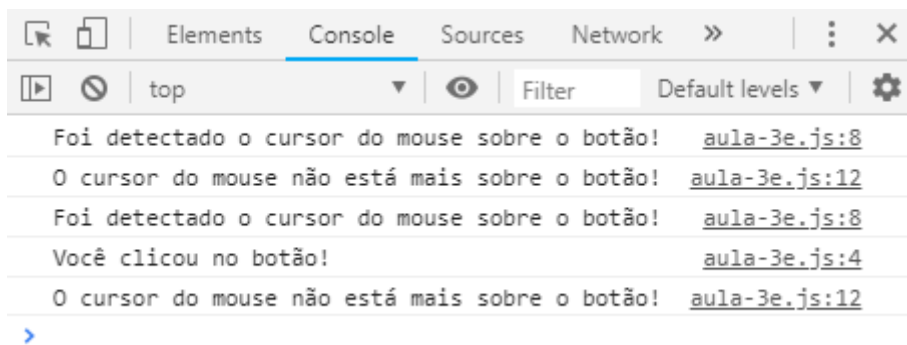
aula-3/js/aula-3e.js

```
var bt1 = document.getElementById('botao');

bt1.addEventListener('click', function(){
    console.log('Você clicou no botão!');
})

bt1.addEventListener('mouseover', function(){
    console.log('Foi detectado o cursor do mouse sobre o botão!');
})

bt1.addEventListener('mouseout', function(){
    console.log('O cursor do mouse não está mais sobre o botão!');
})
```



Aula 4 - Funções de arrow (flecha)

<http://localhost/javascript-desde-cero/aula-4/aula-4a.html>

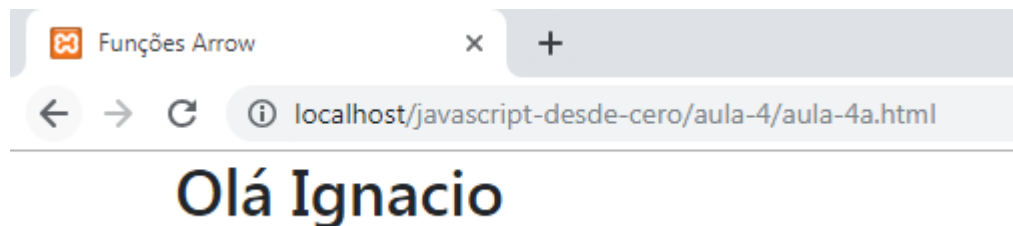
```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Funções Arrow</title>
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css
">
</head>
<body>
  <div class="container">
    <h1 id="titulo">Documento em HTML</h1>
    <p id="paragrafo1" class="lead">Lorem ipsum dictumst odio interdum
curabitur vel venenatis cursus pellentesque rhoncus, vestibulum ad consequat
cras libero enim platea porttitor nam donec est, integer leo eu ipsum
curabitur vulputate at aliquam metus. suspendisse gravida suscipit ipsum
eleifend cras orci donec dapibus justo aenean, iaculis placerat condimentum
non commodo justo etiam vestibulum cursus aptent conubia, nisi tortor tempor
facilisis sit vel lacus placerat nunc. rhoncus congue tortor curae vel per
aenean elit nisl mattis dapibus massa posuere sagittis, sed hendrerit eleifend
bibendum tortor euismod taciti donec est eu donec ornare. accumsan metus purus
semper condimentum cursus pretium nibh arcu, lobortis nulla porttitor potenti
sociosqu himenaeos ultrices, condimentum vestibulum nisi leo tristique non
luctus.</p>
    <p id="paragrafo2" class="lead">Justo suspendisse a luctus velit at
odio auctor, posuere aenean pulvinar scelerisque eget platea, justo inceptos
primis lobortis lacus praesent. conubia curae ut lobortis habitasse aliquet
primis potenti arcu id justo, vulputate iaculis nibh consequat tempus habitant
interdum nisi lacinia, massa netus at senectus primis laoreet posuere elit
erat. morbi amet curabitur tellus nullam vehicula libero nulla vel, pulvinar
molestie imperdiet urna sodales eleifend lacus tristique ullamcorper,
consequat euismod elementum quis ut malesuada urna. tempor torquent auctor
aptent cubilia potenti lacinia sem, aenean risus vestibulum aliquet cursus
quisque curabitur conubia, donec vestibulum scelerisque adipiscing ac viverra.
</p>
    <button id="botao" class="btn btn-info">Alterar</button>
  </div>
  <script src="js/aula-4a.js"></script>
</body>
</html>
```

aula-4/js/aula-4a.js

```
var saudacaoId = document.getElementById('saudacoes');

saudacaoId.innerHTML = saudar('Ignacio');

function saudar(nome){
    return 'Olá ' + nome;
}
```

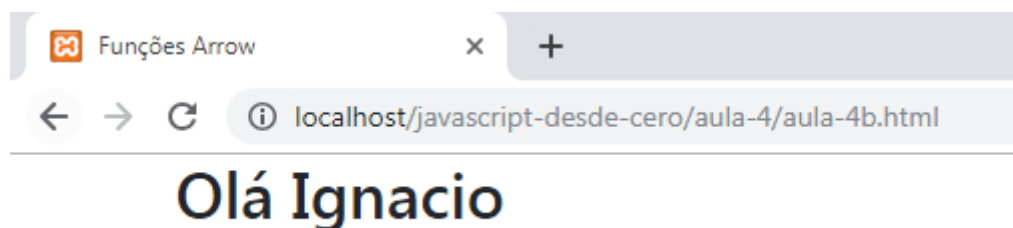


aula-4/js/aula-4b.js

```
var saudacaoId = document.getElementById('saudacoes');

var saudar = nome => 'Olá ' + nome;

saudacaoId.innerHTML = saudar('Ignacio');
```



http://localhost/javascript-desde-cero/aula-4/aula-4b.html

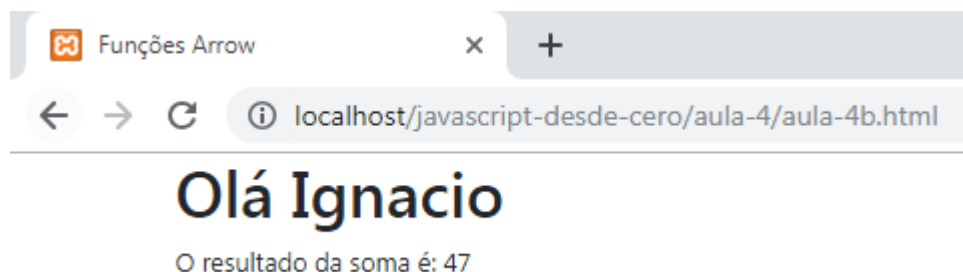
```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Funções Arrow</title>
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css
">
</head>
<body>
  <div class="container">
    <h1 id="saudacoes"></h1>
    <p id="soma">O resultado da soma é: </p>
  </div>
  <script src="js/aula-4b.js"></script>
</body>
</html>
```

aula-4/js/aula-4b.js

```
var saudacaoId = document.getElementById('saudacoes');
var somaId = document.getElementById('soma');

var saudar = nome => 'Olá ' + nome;
var somar = (num1, num2) => num1 + num2;

saudacaoId.innerHTML = saudar('Ignacio');
somaId.innerHTML += somar(18, 29);
```



http://localhost/javascript-desde-cero/aula-4/aula-4c.html

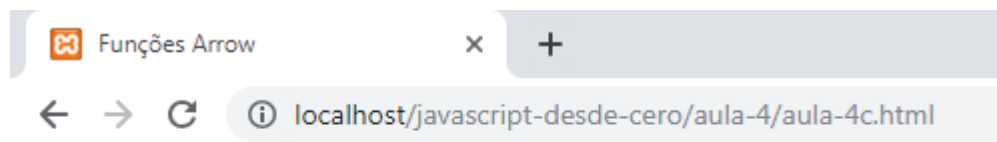
```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Funções Arrow</title>
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css
">
</head>
<body>
  <div class="container">
    <h1 id="saudacoes"></h1>
    <p id="soma">O resultado da soma é: </p>
  </div>
  <script src="js/aula-4c.js"></script>
</body>
</html>
```

aula-4/js/aula-4c.js

```
var saudacaoId = document.getElementById('saudacoes');
var somaId = document.getElementById('soma');

var saudar = nome => 'Olá ' + nome;
var somar = (num1, num2) => {
  var num3 = 15;
  return num1 + num2 + num3;
}

saudacaoId.innerHTML = saudar('Ignacio');
somaId.innerHTML += somar(18, 29);
```



Olá Ignacio

O resultado da soma é: 62

Aula 5 - Objetos em Javascript

Acesse:
<http://mindicador.cl>



Noticias

Para enterarte de las ultimas noticias y también comentar sobre el API, utiliza el hashtag [#MindicadorChile](#)

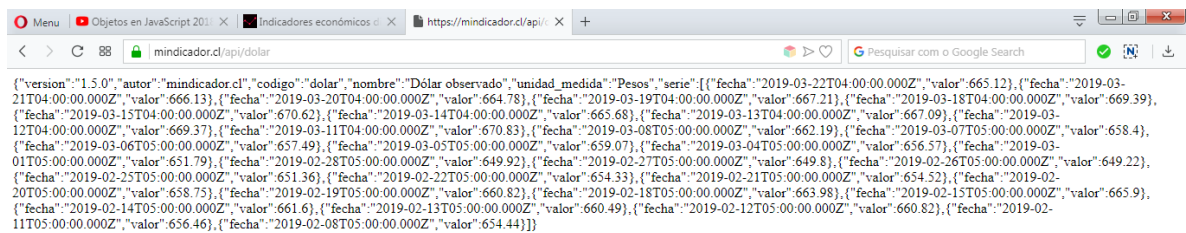
Indicadores económicos diarios API REST

Este es un servicio open source (web service) que entrega los principales indicadores económicos para Chile en formato JSON. Tanto los indicadores diarios como históricos para que desarrolladores puedan utilizarlos en sus aplicaciones o sitios web.

La aplicación mapea constantemente el sitio del Banco Central de Chile manteniendo así nuestra base de datos actualizada con los últimos valores del día.

Unidad de fomento (UF):	Valores desde 1977 hasta hoy.
Libra de Cobre:	Valores desde 2012 hasta hoy.

<https://mindicador.cl/api/dolar>



Arrays

http://localhost/javascript-desde-cero/aula-5/aula-5a.html

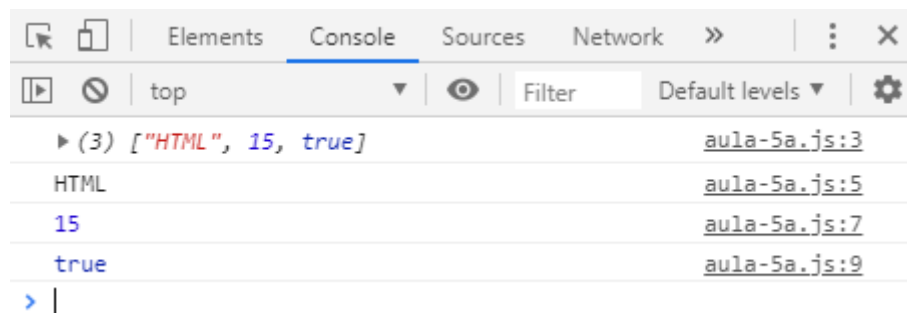
```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Objetos</title>
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
">
</head>
<body>
  <div class="container">
  </div>
  <script src="js/aula-5a.js"></script>
</body>
</html>
```

aula-5/js/aula-5a.js

```
var array = ['HTML', 15, true];

console.log(array);

console.log(array[0]);
console.log(array[1]);
console.log(array[2]);
```



Objetos

<http://localhost/javascript-desde-cero/aula-5/aula-5b.html>

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Objetos</title>
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css
">
</head>
<body>
  <div class="container">
    </div>
    <script src="js/aula-5b.js"></script>
</body>
</html>
```

[aula-5/js/aula-5b.js](#)

```
var objeto = {
  nome: 'HTML',
  duracao: 15,
  status: true,
  capitulos: {
    nome: 'introdução',
    videos: 20
  }
}

console.log(objeto);

console.log('Nome: ', objeto['nome']);
console.log('Duração: ', objeto['duracao']);
console.log('Status: ', objeto['status']);

console.log('Nome: ', objeto.nome);
console.log('Duração: ', objeto.duracao);
console.log('Status: ', objeto.status);

console.log('Nome do capítulo: ', objeto.capitulos.nome);
```

▶ {nome: "HTML", duracao: 15, status: true, capitulos: {...}}	aula-5b.js:11
Nome: HTML	aula-5b.js:13
Duração: 15	aula-5b.js:14
Status: true	aula-5b.js:15
Nome: HTML	aula-5b.js:17
Duração: 15	aula-5b.js:18
Status: true	aula-5b.js:19
Nome do capítulo: introdução	aula-5b.js:21

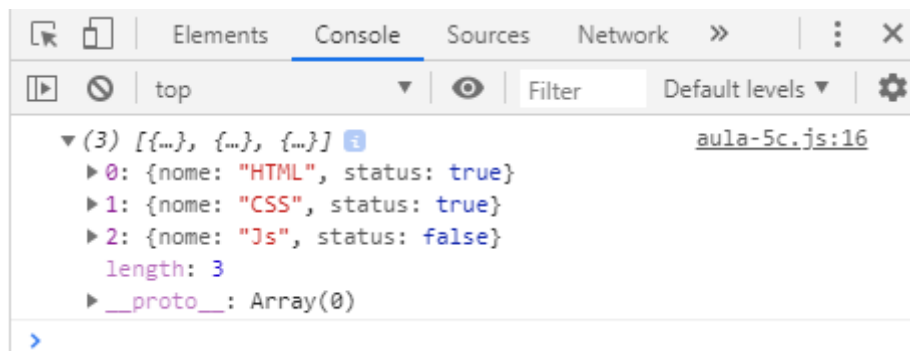
Array de objetos

<http://localhost/javascript-desde-cero/aula-5/aula-5c.html>

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Objetos</title>
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
">
</head>
<body>
  <div class="container">
    </div>
    <script src="js/aula-5c.js"></script>
</body>
</html>
```

aula-5/js/aula-5c.js

```
var arrayObjetos = [  
  {  
    nome: 'HTML',  
    status: true  
  },  
  {  
    nome: 'CSS',  
    status: true  
  },  
  {  
    nome: 'Js',  
    status: false  
  }  
]  
  
console.log(arrayObjetos);
```



http://localhost/javascript-desde-cero/aula-5/aula-5d.html

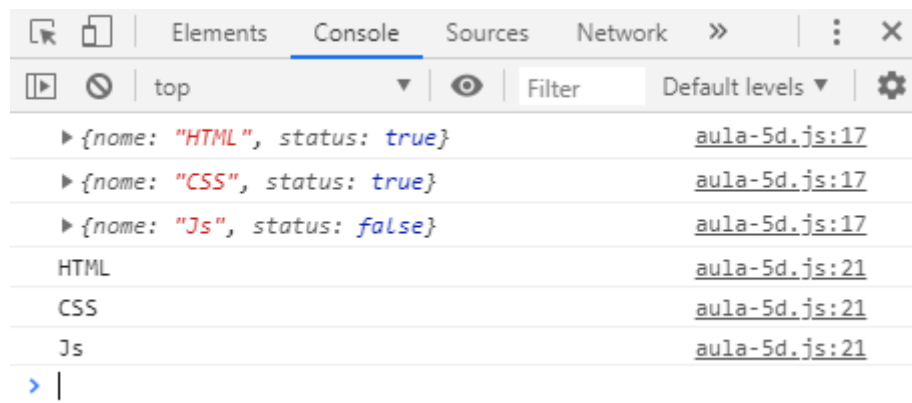
```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Objetos</title>
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css
">
</head>
<body>
  <div class="container">
  </div>
  <script src="js/aula-5d.js"></script>
</body>
</html>
```

aula-5/js/aula-5d.js

```
var arrayObjetos = [
  {
    nome: 'HTML',
    status: true
  },
  {
    nome: 'CSS',
    status: true
  },
  {
    nome: 'Js',
    status: false
  }
]

for ( let indice of arrayObjetos ){
  console.log(indice);
}

for ( let indice of arrayObjetos ){
  console.log(indice.nome);
}
```



http://localhost/javascript-desde-cero/aula-5/aula-5e.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Objetos</title>
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css
">
</head>
<body>
  <div class="container">
    </div>
    <script src="js/aula-5e.js"></script>
</body>
</html>
```

aula-5/js/aula-5e.js

```
var dolar = [
  {"fecha": "2019-03-22T04:00:00.000Z", "valor": 665.12}, {"fecha": "2019-03-21T04:00:00.000Z", "valor": 666.13}, {"fecha": "2019-03-20T04:00:00.000Z", "valor": 664.78}, {"fecha": "2019-03-19T04:00:00.000Z", "valor": 667.21}, {"fecha": "2019-03-18T04:00:00.000Z", "valor": 669.39}, {"fecha": "2019-03-15T04:00:00.000Z", "valor": 670.62}, {"fecha": "2019-03-14T04:00:00.000Z", "valor": 665.68}, {"fecha": "2019-03-13T04:00:00.000Z", "valor": 667.09}, {"fecha": "2019-03-12T04:00:00.000Z", "valor": 669.37}, {"fecha": "2019-03-11T04:00:00.000Z", "valor": 670.83}, {"fecha": "2019-03-08T05:00:00.000Z", "valor": 662.19}, {"fecha": "2019-03-07T05:00:00.000Z", "valor": 658.4}, {"fecha": "2019-03-06T05:00:00.000Z", "valor": 657.49}, {"fecha": "2019-03-05T05:00:00.000Z", "valor": 659.07}, {"fecha": "2019-03-04T05:00:00.000Z", "valor": 656.57}, {"fecha": "2019-03-01T05:00:00.000Z", "valor": 651.79}, {"fecha": "2019-02-28T05:00:00.000Z", "valor": 649.92}, {"fecha": "2019-02-27T05:00:00.000Z", "valor": 649.8}, {"fecha": "2019-02-26T05:00:00.000Z", "valor": 649.22}, {"fecha": "2019-02-25T05:00:00.000Z", "valor": 651.36}, {"fecha": "2019-02-22T05:00:00.000Z", "valor": 654.33}, {"fecha": "2019-02-21T05:00:00.000Z", "valor": 654.52}, {"fecha": "2019-02-20T05:00:00.000Z", "valor": 658.75}, {"fecha": "2019-02-19T05:00:00.000Z", "valor": 660.82}, {"fecha": "2019-02-18T05:00:00.000Z", "valor": 663.98}, {"fecha": "2019-02-15T05:00:00.000Z", "valor": 665.9}, {"fecha": "2019-02-14T05:00:00.000Z", "valor": 661.6}, {"fecha": "2019-02-13T05:00:00.000Z", "valor": 660.49}, {"fecha": "2019-02-12T05:00:00.000Z", "valor": 660.82}, {"fecha": "2019-02-11T05:00:00.000Z", "valor": 656.46}, {"fecha": "2019-02-08T05:00:00.000Z", "valor": 654.44}
]

for ( let indice of dolar ){
  console.log(indice);
}
```


Elements	Console	Sources	Network	Performance	Memory	»	⋮
top	Filter	Default levels					
▶ {fecha: "2019-03-22T04:00:00.000Z", valor: 665.12}							aula-5e.js:6
▶ {fecha: "2019-03-21T04:00:00.000Z", valor: 666.13}							aula-5e.js:6
▶ {fecha: "2019-03-20T04:00:00.000Z", valor: 664.78}							aula-5e.js:6
▶ {fecha: "2019-03-19T04:00:00.000Z", valor: 667.21}							aula-5e.js:6
▶ {fecha: "2019-03-18T04:00:00.000Z", valor: 669.39}							aula-5e.js:6
▶ {fecha: "2019-03-15T04:00:00.000Z", valor: 670.62}							aula-5e.js:6
▶ {fecha: "2019-03-14T04:00:00.000Z", valor: 665.68}							aula-5e.js:6
▶ {fecha: "2019-03-13T04:00:00.000Z", valor: 667.09}							aula-5e.js:6
▶ {fecha: "2019-03-12T04:00:00.000Z", valor: 669.37}							aula-5e.js:6
▶ {fecha: "2019-03-11T04:00:00.000Z", valor: 670.83}							aula-5e.js:6
▶ {fecha: "2019-03-08T05:00:00.000Z", valor: 662.19}							aula-5e.js:6
▶ {fecha: "2019-03-07T05:00:00.000Z", valor: 658.4}							aula-5e.js:6
▶ {fecha: "2019-03-06T05:00:00.000Z", valor: 657.49}							aula-5e.js:6
▶ {fecha: "2019-03-05T05:00:00.000Z", valor: 659.07}							aula-5e.js:6
▶ {fecha: "2019-03-04T05:00:00.000Z", valor: 656.57}							aula-5e.js:6
▶ {fecha: "2019-03-01T05:00:00.000Z", valor: 651.79}							aula-5e.js:6
▶ {fecha: "2019-02-28T05:00:00.000Z", valor: 649.92}							aula-5e.js:6
▶ {fecha: "2019-02-27T05:00:00.000Z", valor: 649.8}							aula-5e.js:6
▶ {fecha: "2019-02-26T05:00:00.000Z", valor: 649.22}							aula-5e.js:6
▶ {fecha: "2019-02-25T05:00:00.000Z", valor: 651.36}							aula-5e.js:6
▶ {fecha: "2019-02-22T05:00:00.000Z", valor: 654.33}							aula-5e.js:6
▶ {fecha: "2019-02-21T05:00:00.000Z", valor: 654.52}							aula-5e.js:6
▶ {fecha: "2019-02-20T05:00:00.000Z", valor: 658.75}							aula-5e.js:6
▶ {fecha: "2019-02-19T05:00:00.000Z", valor: 660.82}							aula-5e.js:6
▶ {fecha: "2019-02-18T05:00:00.000Z", valor: 663.98}							aula-5e.js:6
▶ {fecha: "2019-02-15T05:00:00.000Z", valor: 665.9}							aula-5e.js:6
▶ {fecha: "2019-02-14T05:00:00.000Z", valor: 661.6}							aula-5e.js:6
▶ {fecha: "2019-02-13T05:00:00.000Z", valor: 660.49}							aula-5e.js:6
▶ {fecha: "2019-02-12T05:00:00.000Z", valor: 660.82}							aula-5e.js:6
▶ {fecha: "2019-02-11T05:00:00.000Z", valor: 656.46}							aula-5e.js:6
▶ {fecha: "2019-02-08T05:00:00.000Z", valor: 654.44}							aula-5e.js:6

Aula 6 - Fetch API

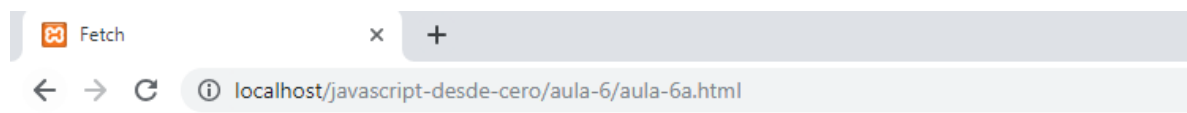
<http://localhost/javascript-desde-cero/aula-6/aula-6a.html>

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Fetch</title>
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css
">
</head>
<body>
  <div class="container my-5 text-center">
    <button class="btn btn-danger w-100" onclick="trazer()">Obter</button>
    <div class="mt-5" id="conteudo">
      <p></p>
    </div>
  </div>
  <script src="js/aula-6a.js"></script>
</body>
</html>
```

aula-6/js/aula-6a.js

```
var conteudo = document.querySelector('#conteudo');

function trazer(){
  conteudo.innerHTML = "<p>texto carregado!</p>";
}
```



Obter

texto carregado!

http://localhost/javascript-desde-cero/aula-6/aula-6b.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Fetch</title>
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
">
</head>
<body>
  <div class="container my-5 text-center">
    <button class="btn btn-danger w-100" onclick="trazer()">Obter</button>
    <div class="mt-5" id="conteudo">
      <p></p>
    </div>
  </div>
  <script src="js/aula-6b.js"></script>
</body>
</html>
```

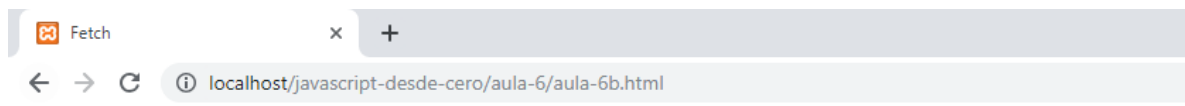
aula-6/js/aula-6b.js

```
var conteudo = document.querySelector('#conteudo');

function trazer(){
  fetch('textos/texto1.txt')
    .then(data => data.text())
    .then (data => {
      console.log(data)
      conteudo.innerHTML = `${data}`
    })
}
```

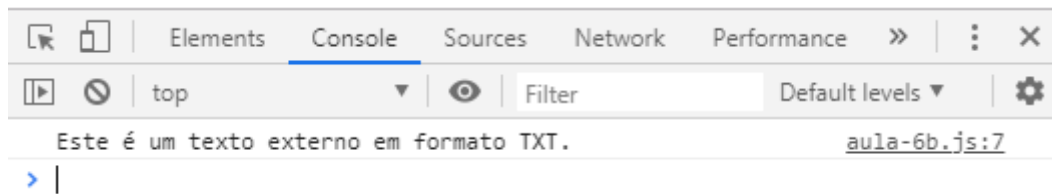
aula-6/textos/texto1.txt

Este é um texto externo em formato TXT.



Obter

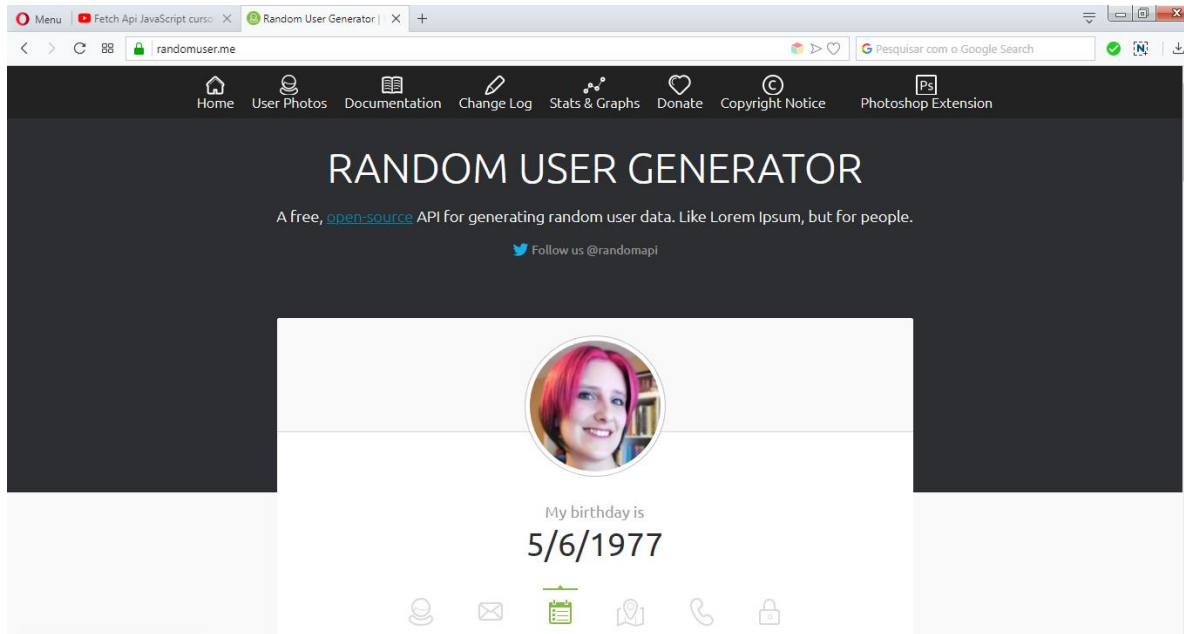
Este é um texto externo em formato TXT.



Aula 7 - Consumir API pública

Acesse a URL:

<https://randomuser.me>



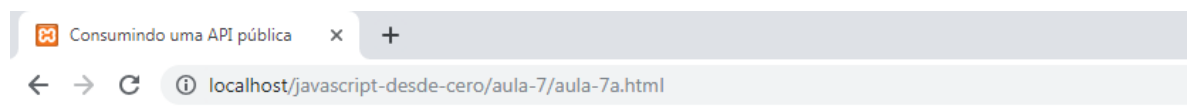
<http://localhost/javascript-desde-cero/aula-7/aula-7a.html>

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Consumindo uma API pública</title>
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css
">
</head>
<body>
  <div class="container my-5 text-center">
    <button class="btn btn-danger w-100" onclick="trazer()">Obter</button>
    <div class="mt-5" id="conteudo">
    </div>
  </div>
  <script src="js/aula-7a.js"></script>
</body>
</html>
```

aula-7/js/aula-7a.js

```
var conteudo = document.querySelector('#conteudo');

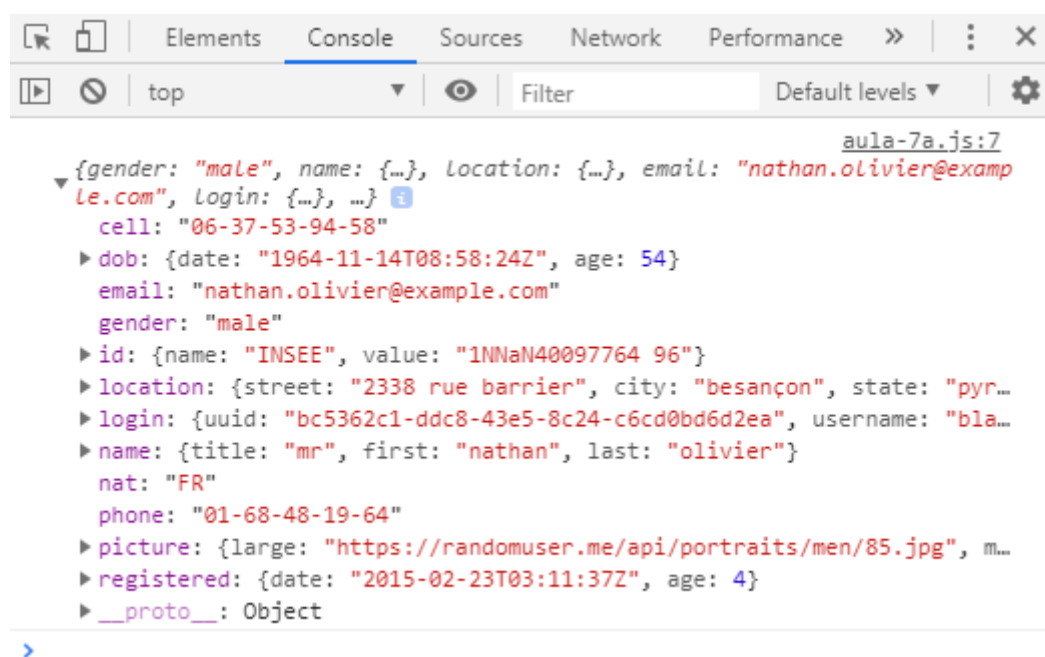
function trazer(){
  fetch('https://randomuser.me/api/')
    .then(res => res.json())
    .then (data => {
      console.log(data.results['0'])
      conteudo.innerHTML = `
        
        <p>Nome: ${data.results['0'].name.first}
${data.results['0'].name.last}</p>
      `
    })
}
```



Obter



Nome: nathan olivier



Aula 8 - Criar tabela dinâmica com JSON

<http://localhost/javascript-desde-cero/aula-8/aula-8a.html>

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Tabelas dinâmicas com JSON</title>
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css
">
</head>
<body>
  <div class="container my-5 text-center">
    <button class="btn btn-danger w-100" onclick="trazer()">Obter</button>
    <div class="mt-5" id="conteudo">
    </div>
  </div>
  <script src="js/aula-8a.js"></script>
</body>
</html>
```

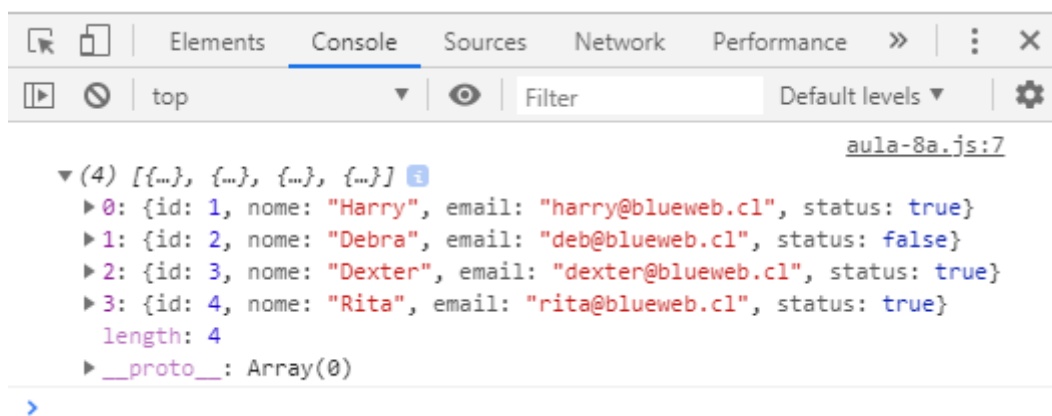
aula-8/js/aula-8a.js

```
var conteudo = document.querySelector('#conteudo');

function trazer(){
  fetch('dados/tabela1.json')
    .then(res => res.json())
    .then (dados => {
      console.log(dados)
    })
}
```

aula-8/dados/tabela1.json

```
[
  {
    "id": 1,
    "nome": "Harry",
    "email": "harry@blueweb.cl",
    "status": true
  },
  {
    "id": 2,
    "nome": "Debra",
    "email": "deb@blueweb.cl",
    "status": false
  },
  {
    "id": 3,
    "nome": "Dexter",
    "email": "dexter@blueweb.cl",
    "status": true
  },
  {
    "id": 4,
    "nome": "Rita",
    "email": "rita@blueweb.cl",
    "status": true
  }
]
```



http://localhost/javascript-desde-cero/aula-8/aula-8b.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Tabelas dinâmicas com JSON</title>
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css
">
</head>
<body>
  <div class="container my-5 text-center">
    <button class="btn btn-danger w-100" onclick="trazer()">Obter</button>
    <div class="mt-5">

      <table class="table">
        <thead>
          <tr>
            <th scope="col">#</th>
            <th scope="col">Nome</th>
            <th scope="col">Email</th>
            <th scope="col">Status</th>
          </tr>
        </thead>
        <tbody id="conteudo">
          <tr>
            <th scope="row">1</th>
            <td>Mark</td>
            <td>Otto</td>
            <td>@mdo</td>
          </tr>
        </tbody>
      </table>

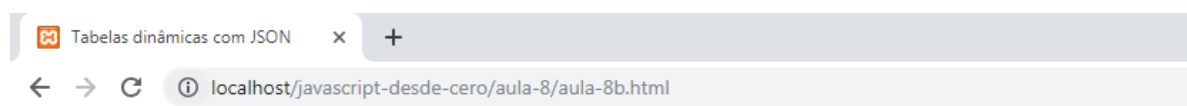
    </div>
  </div>
  <script src="js/aula-8b.js"></script>
</body>
</html>
```

aula-8/js/aula-8b.js

```
var conteudo = document.querySelector('#conteudo');

function trazer(){
  fetch('dados/tabela1.json')
    .then(res => res.json())
    .then (dados => {
      tabela(dados)
    })
}

function tabela(dados){
  // console.log(dados);
  conteudo.innerHTML = '';
  for(let valor of dados){
    // console.log(valor);
    conteudo.innerHTML += `
    <tr>
      <th scope="row">${ valor.id }</th>
      <td>${ valor.nome }</td>
      <td>${ valor.email }</td>
      <td>${ valor.status ? "Ativo" : "Eliminado" }</td>
    </tr>
  `
  }
}
```



Obter			
#	Nome	Email	Status
1	Mark	Otto	@mdo

Obter

#	Nome	Email	Status
1	Harry	harry@blueweb.cl	Ativo
2	Debra	deb@blueweb.cl	Eliminado
3	Dexter	dexter@blueweb.cl	Ativo
4	Rita	rita@blueweb.cl	Ativo

Aula 9 - Formulário com FetchAPI

<http://localhost/javascript-desde-cero/aula-9/aula-9a.html>

```
<!doctype html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">

    <!-- Bootstrap CSS -->
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css
" integrity="sha384-
ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T"
crossorigin="anonymous">

    <title>Formulário com FetchAPI</title>
  </head>
  <body>
    <div class="container my-5">
      <h2>Formulário com FetchAPI</h2>
      <form id="formulario">
        <input type="text" name="usuario" placeholder="Entre com o nome de
usuário" class="form-control my-3">
        <input type="password" name="senha" placeholder="Entre com a
senha" class="form-control my-3">
        <button type="submit" class="btn btn-primary">Enviar</button>
      </form>
      <div class="mt-3" id="resposta">
      </div>
    </div>

    <!-- Optional JavaScript -->
    <!-- jQuery first, then Popper.js, then Bootstrap JS -->
    <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
integrity="sha384-
q8i/X+965Dz00rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
crossorigin="anonymous"></script>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js
" integrity="sha384-
U02eT0CpHqdsSJQ6hJty5KVphtPhzWj9W01c1HTMGa3JDZwrnQq4sF86dIHNDz0W1"
crossorigin="anonymous"></script>
```

```
<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"
integrity="sha384-
JjSmVgyd0p3pXB1rRibZUAYoIIy60rQ6VrjIEaFf/nJGzIxFDs4x0xIM+B07jRM"
crossorigin="anonymous"></script>
<script src="aula-9a.js"></script>
</body>
</html>
```

aula-9/post.php

```
<?php

$usuario = $_POST['usuario'];
$senha = $_POST['senha'];

if($usuario === '' || $senha === ''){
    echo json_encode('error');
} else {
    echo json_encode('Correto!<br>Usuário: ' . $usuario . '<br>Senha: ' .
$senha);
}
```

aula-9/aula-9a.js

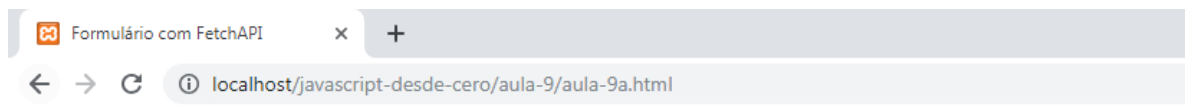
```
// console.log('Funcionando!');

var formulario = document.getElementById('formulario');
var resposta = document.getElementById('resposta');

formulario.addEventListener('submit', function(e){
    e.preventDefault();
    console.log('O botão foi clicado!');

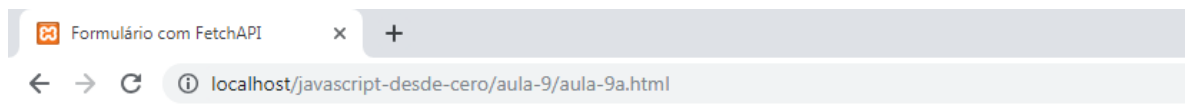
    var dados = new FormData(formulario);
    console.log(dados);
    console.log(dados.get('usuario'));
    console.log(dados.get('senha'));

    fetch('post.php',{
        method: 'POST',
        body: dados
    })
    .then( res => res.json() )
    .then( data => {
        console.log(data)
        if(data === 'error'){
            resposta.innerHTML = `
                <div class="alert alert-danger" role="alert">
                    Preencha todos os campos!
                </div>
            `
        } else {
            resposta.innerHTML = `
                <div class="alert alert-primary" role="alert">
                    ${data}
                </div>
            `
        }
    })
});
```



Formulário com FetchAPI

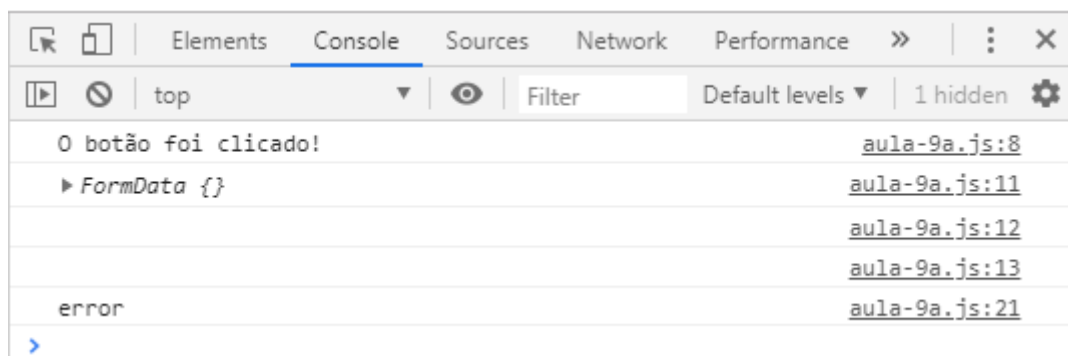
Enviar



Formulário com FetchAPI

Enviar

Preencha todos os campos!



Formulário com FetchAPI

Preencha todos os campos!

Elements	Console	Sources	Network	Performance	»	:	X
top	Filter	Default levels	1 hidden				
	O botão foi clicado!						aula-9a.js:8
	▶ <i>FormData</i> {}						aula-9a.js:11
	betopinheiro						aula-9a.js:12
							aula-9a.js:13
	error						aula-9a.js:21
	>						

Formulário com FetchAPI

Correto!
Usuário: betopinheiro
Senha: 123456

Elements	Console	Sources	Network	Performance	»	:	X
top	Filter	Default levels	1 hidden				
	O botão foi clicado!						aula-9a.js:8
	▶ <i>FormData</i> {}						aula-9a.js:11
	betopinheiro						aula-9a.js:12
	123456						aula-9a.js:13
	Correto! Usuário: betopinheiro Senha: 123456						aula-9a.js:21
	>						

Aula 10 - Javascript orientado a objetos

<http://localhost/javascript-desde-cero/aula-10/index.html>

```
<!doctype html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">

    <!-- Bootstrap CSS -->
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css
" integrity="sha384-
ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T"
crossorigin="anonymous">

    <title>Javascript orientado a objetos</title>
  </head>
  <body>
    <div class="container my-5">
    </div>

    <!-- Optional JavaScript -->
    <!-- jQuery first, then Popper.js, then Bootstrap JS -->
    <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
integrity="sha384-
q8i/X+965Dz00rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
crossorigin="anonymous"></script>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js
" integrity="sha384-
U02eT0CpHqdsJQ6hJty5KVphtPhzWj9W01clHTMGa3JJDZwrnQq4sF86dIHNDz0W1"
crossorigin="anonymous"></script>
    <script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"
integrity="sha384-
JjSmVgyd0p3pXB1rRibZUAYoIIy60rQ6VrjIEaFf/nJGzIxFDsf4x0xIM+B07jRM"
crossorigin="anonymous"></script>
    <script src="app.js"></script>
  </body>
</html>
```

aula-10/app.js

```
const Filme1 = {
  nome: 'Harry',
  id: 1,
  reproduzir(){
    return `Reproduzindo o filme... ${this.nome}`;
  }
}

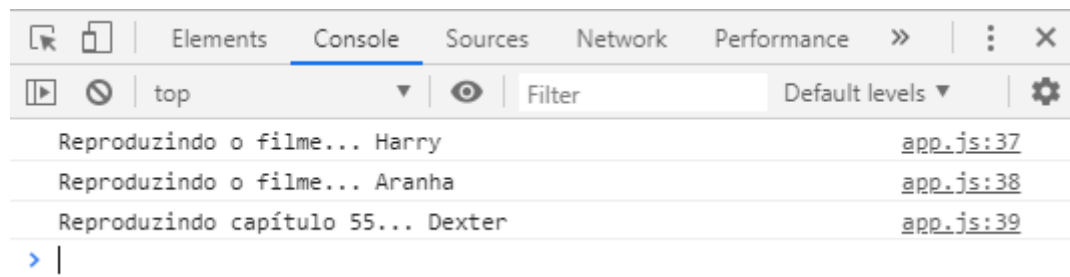
class Filme{
  constructor(nome, id){
    this.nome = nome;
    this.id = id;
  }
  reproduzir(){
    return `Reproduzindo o filme... ${this.nome}`;
  }
}

class Serie extends Filme{
  constructor(nome, id, cap){
    super(nome, id);
    this.cap = cap;
  }
  reproduzirCapitulo(){
    return `Reproduzindo capítulo ${this.cap}... ${this.nome}`;
  }
}

const filme1 = new Filme('Harry', 1);
const filme2 = new Filme('Aranha', 2);
const serie1 = new Serie('Dexter', 3, 55);

// console.log(filme1);
// console.log(filme2);

console.log(filme1.reproduzir());
console.log(filme2.reproduzir());
console.log(serie1.reproduzirCapitulo());
```



Aula 11 - Ajax com Vanilla Javascript

XMLHttpRequest | Ler arquivo TXT com JavaScript

<http://localhost/javascript-desde-cero/aula-11/index.html>

```
<!doctype html>
<html lang="pt-br">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">

    <!-- Compiled and minified CSS -->
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/css/materialize
.min.css">

    <title>Ajax com Vanilla Javascript</title>
  </head>
  <body>

    <div class="container">
      <div class="section">
        <button id="botao" class="btn">Ajax</button>
      </div>
      <div class="section" id="resposta">

    </div>
  </div>

  <script src="ajax1.js"></script>
</body>
</html>
```

aula-11/arquivo.txt

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

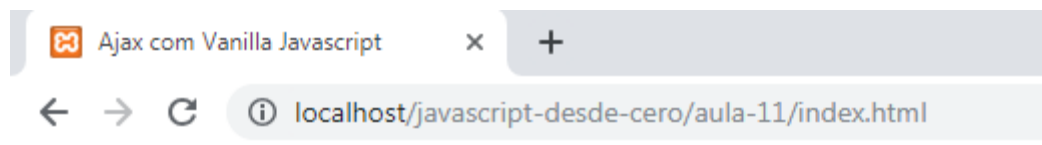
aula-11/ajax1.js

```
console.log('Ativo');

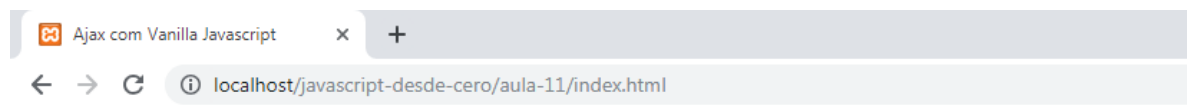
document.querySelector('#botao').addEventListener('click', trazerDados);

function trazerDados(){
    // console.log('Função ativada!');

    const xhttp = new XMLHttpRequest();
    xhttp.onreadystatechange = function() {
        if (this.readyState == 4 && this.status == 200) {
            // console.log(this.responseText);
            document.querySelector('#resposta').innerHTML = this.responseText;
        }
    };
    xhttp.open("GET", "arquivo.txt", true);
    xhttp.send();
}
```

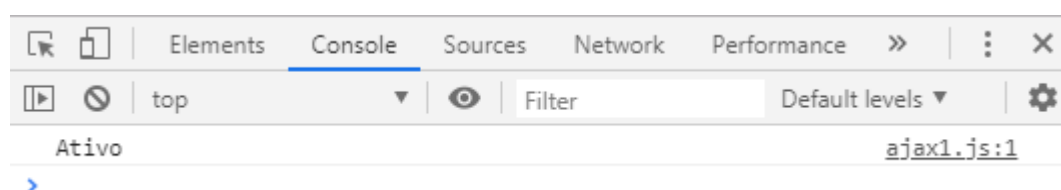


AJAX



AJAX

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute inure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.



Aula 12 - Ajax com Vanilla Javascript

Ler arquivo JSON e exibir em tabela HTML

<http://localhost/javascript-desde-cero/aula-12/index.html>

```
<!doctype html>
<html lang="pt-br">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">

    <!-- Compiled and minified CSS -->
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/css/materialize
.min.css">

    <title>Ajax - Ler arquivo JSON</title>
  </head>
  <body>

    <div class="container">
      <div class="section">
        <button id="botao" class="btn">JSON</button>
      </div>

      <table>
        <thead>
          <tr>
            <th>Título</th>
            <th>Artista</th>
          </tr>
        </thead>
        <tbody id="res">
        </tbody>
      </table>
    </div>
  </div>

  <script src="ajax2.js"></script>
</body>
</html>
```

aula-12/catalogo.json

```
[
  {
    "titulo": "Empire Burlesque",
    "artista": "Bob Dylan"
  },
  {
    "titulo": "Hide your heart",
    "artista": "Bonnie Tyler"
  },
  {
    "titulo": "Greatest Hits",
    "artista": "Dolly Parton"
  }
]
```

aula-12/ajax2.js

```
console.log('Correto!');

document.querySelector('#botao').addEventListener('click', trazerDados);

function trazerDados(){
  const xhttp = new XMLHttpRequest();
  xhttp.onreadystatechange = function() {
    if (this.readyState == 4 && this.status == 200) {
      // console.log(this.responseText);
      let dados = JSON.parse(this.responseText);
      console.log(dados);
      let res = document.querySelector('#res');
      res.innerHTML = '';
      for(let item of dados){
        // console.log(item.artista);
        res.innerHTML +=
          `<tr>
            <td>${item.titulo}</td>
            <td>${item.artista}</td>
          </tr>`;
      }
    }
  };
  xhttp.open("GET", "catalogo.json", true);
  xhttp.send();
}
```

JSON

Título

Artista

JSON

Título

Artista

Empire Burlesque

Bob Dylan

Hide your heart

Bonnie Tyler

Greatest Hits

Dolly Parton

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Correto! ajax2.js:1

▼ (3) [{...}, {...}, {...}] ajax2.js:11

- ▶ 0: {titulo: "Empire Burlesque", artista: "Bob Dylan"}
- ▶ 1: {titulo: "Hide your heart", artista: "Bonnie Tyler"}
- ▶ 2: {titulo: "Greatest Hits", artista: "Dolly Parton"}

length: 3 Object

▶ __proto__: Array(0)

>

Aula 13 - Ajax com Vanilla Javascript

Consumindo uma API pública

<http://localhost/javascript-desde-cero/aula-13/index.html>

```
<!doctype html>
<html lang="pt-br">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">

    <!-- Compiled and minified CSS -->
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/css/materialize
.min.css">

    <title>Consumindo uma API pública</title>
  </head>
  <body>

    <div class="container">
      <div class="section">
        <button id="dolar" class="btn blue">Dolar</button>
        <button id="uf" class="btn red">Uf</button>
        <div class="section">
          <ul id="resultado">

            </ul>
        </div>
      </div>

      <script src="moedas.js"></script>
    </body>
  </html>
```

aula-13/moedas.js

```
document.querySelector('#dolar').addEventListener('click', function(){
    obterDados('dolar');
});

document.querySelector('#uf').addEventListener('click', function(){
    obterDados('uf');
});

function obterDados(valor){
    console.log('Clicado!');

    let url = `https://mindicador.cl/api/${valor}`;

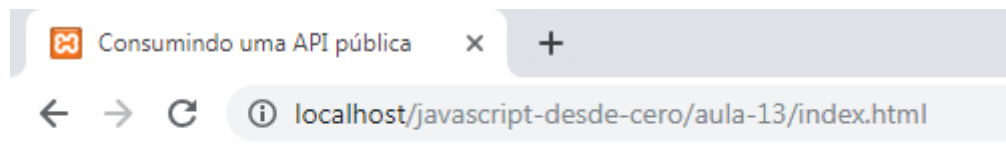
    const api = new XMLHttpRequest();
    api.onreadystatechange = function() {
        if (this.readyState == 4 && this.status == 200) {
            // console.log(this.responseText);
            let dados = JSON.parse(this.responseText);
            console.log(dados.serie);

            let resultado = document.querySelector('#resultado');
            resultado.innerHTML = '';

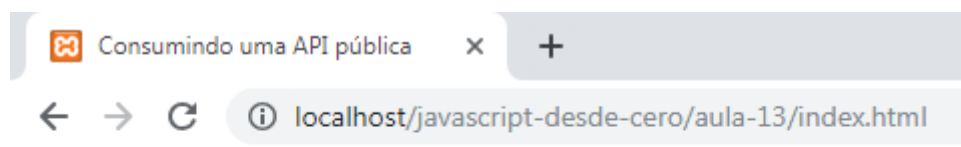
            let i = 0;

            for(let item of dados.serie){
                // console.log(item.fecha);
                resultado.innerHTML += `<li>${item.fecha.substr(0,10)} | $
${item.valor}</li>`
                i++;
                if(i>10){
                    break;
                }
            }
        }
    };

    api.open("GET", url, true);
    api.send();
}
```

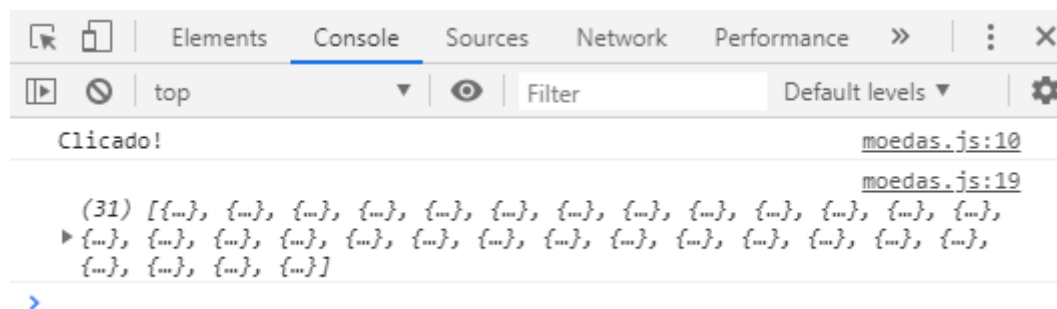


DOLAR UF



DOLAR UF

2019-03-25 | \$ 676.6
2019-03-22 | \$ 665.12
2019-03-21 | \$ 666.13
2019-03-20 | \$ 664.78
2019-03-19 | \$ 667.21
2019-03-18 | \$ 669.39
2019-03-15 | \$ 670.62
2019-03-14 | \$ 665.68
2019-03-13 | \$ 667.09
2019-03-12 | \$ 669.37
2019-03-11 | \$ 670.83



DOLAR

UF

2019-03-25 | \$ 27565.76
2019-03-24 | \$ 27565.76
2019-03-23 | \$ 27565.76
2019-03-22 | \$ 27565.76
2019-03-21 | \$ 27565.76
2019-03-20 | \$ 27565.76
2019-03-19 | \$ 27565.76
2019-03-18 | \$ 27565.76
2019-03-17 | \$ 27565.76
2019-03-16 | \$ 27565.76
2019-03-15 | \$ 27565.76

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Clicado! moedas.js:10

moedas.js:19

(31) [{...}, {...}, {...}, {...}, {...}, {...}, {...}, {...}, {...}, {...}, {...}, {...}, {...},
▶ {...}, {...}, {...}, {...}, {...}, {...}, {...}, {...}, {...}, {...}, {...}, {...}, {...},
 {...}, {...}, {...}, {...}]

>

Aula 14 - Funções invocadas imediatamente

<http://localhost/javascript-desde-cero/aula-14/aula-14a.html>

```
<!doctype html>
<html lang="pt-br">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">

    <!-- Compiled and minified CSS -->
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/css/materialize
.min.css">

    <title>Funções invocadas imediatamente</title>
  </head>
  <body>

    <div class="container">
      <div class="section"></div>
    </div>

    <script src="js/aula-14a.js"></script>
  </body>
</html>
```

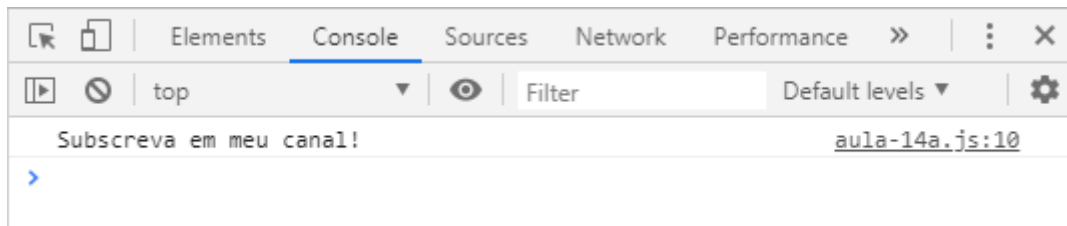
aula-14/aula-14a.js

```
/* IIFE (Immediately Invoked Function Express) */

// function subscreever(){
//   console.log(`Subscreva em meu canal!`);
// }

// subscreever();

(function subscreever(){
  console.log(`Subscreva em meu canal!`);
})();
```



http://localhost/javascript-desde-cero/aula-14/aula-14b.html

```
<!doctype html>
<html lang="pt-br">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">

    <!-- Compiled and minified CSS -->
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/materialize/1.0.0/css/materialize
.min.css">

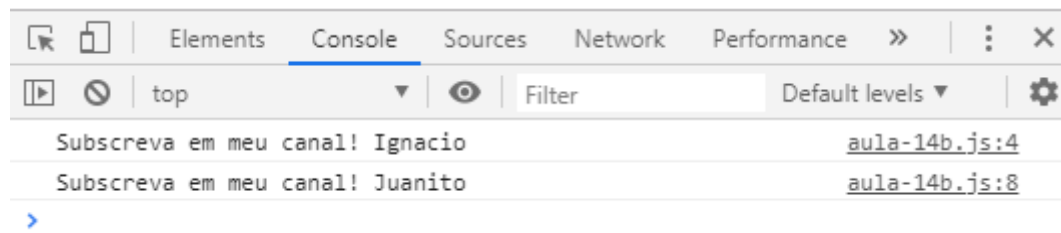
    <title>Funções invocadas imediatamente</title>
  </head>
  <body>
    <div class="container">
      <div class="section"></div>
    </div>
    <script src="js/aula-14b.js"></script>
  </body>
</html>
```

aula-14/aula-14b.js

```
/* IIFE (Immediately Invoked Function Express) */

((nome = 'Ignacio') => {
  console.log(`Subscriba em meu canal! ${nome}`);
})();

((nome = 'Ignacio') => {
  console.log(`Subscriba em meu canal! ${nome}`);
})('Juanito');
```



Aula 15 - Event Delegation

<http://localhost/javascript-desde-cero/aula-15/index.html>

```
<!doctype html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">

    <!-- Bootstrap CSS -->
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
" integrity="sha384-
ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T"
crossorigin="anonymous">

    <title>Event Delegation</title>
  </head>
  <body id="fundo">
    <div class="container mt-5">
      <button id="addBotoes" class="btn btn-dark">Adicionar botões</button>
    </div>
    <div class="container mt-5" id="botoes"></div>

    <!-- Optional JavaScript -->
    <!-- jQuery first, then Popper.js, then Bootstrap JS -->
    <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
integrity="sha384-
q8i/X+965Dz00rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
crossorigin="anonymous"></script>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"
" integrity="sha384-
U02eT0CpHqdSJQ6hJty5KVphtPhzWj9W01c1HTMGa3JDZwrnQq4sF86dIHNDz0W1"
crossorigin="anonymous"></script>
    <script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"
integrity="sha384-
JjSmVgyd0p3pXB1rRibZUAYoIIy60rQ6VrjIEaFf/nJGzIxFDs4x0xIM+B07jRM"
crossorigin="anonymous"></script>
    <script src="app.js"></script>
  </body>
</html>
```


aula-15/app.js

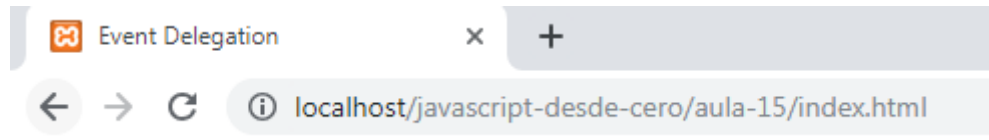
```
/* Variáveis globais */
const addBotoes = document.querySelector('#addBotoes');
const botoes = document.querySelector('#botoes');
const fundo = document.querySelector('#fundo');

(() => {
  addBotoes.addEventListener('click', adicionarBotoes);
  botoes.addEventListener('click', delegation);
})();

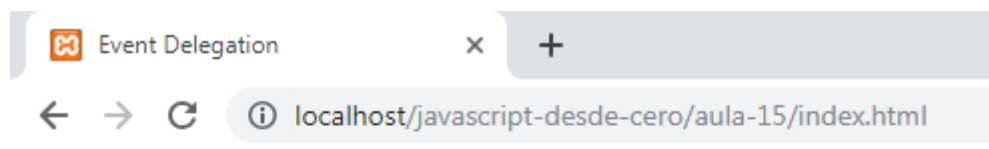
function delegation(e){
  e.preventDefault();
  // console.log('Você clicou no container!');
  // console.log(e.target.classList[1]);
  const colorButton = e.target.classList[1];
  switch(colorButton){
    case ('btn-primary'):
      fundo.className = 'bg-primary';
      break;
    case ('btn-secondary'):
      fundo.className = 'bg-secondary';
      break;
    case ('btn-success'):
      fundo.className = 'bg-success';
      break;
    case ('btn-danger'):
      fundo.className = 'bg-danger';
      break;
    case ('btn-warning'):
      fundo.className = 'bg-warning';
      break;
    case ('btn-info'):
      fundo.className = 'bg-info';
      break;
  }
}

function adicionarBotoes(e){
  e.preventDefault();
  console.log('Você clicou no botão preto!');
```

```
botoes.innerHTML = `<button type="button" class="btn btn-
primary">Primary</button>
<button type="button" class="btn btn-secondary">Secondary</button>
<button type="button" class="btn btn-success">Success</button>
<button type="button" class="btn btn-danger">Danger</button>
<button type="button" class="btn btn-warning">Warning</button>
<button type="button" class="btn btn-info">Info</button>`;
}
```

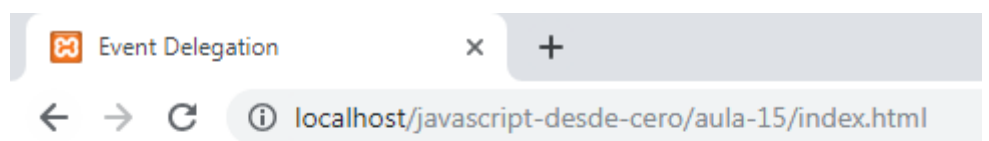


Adicionar botões



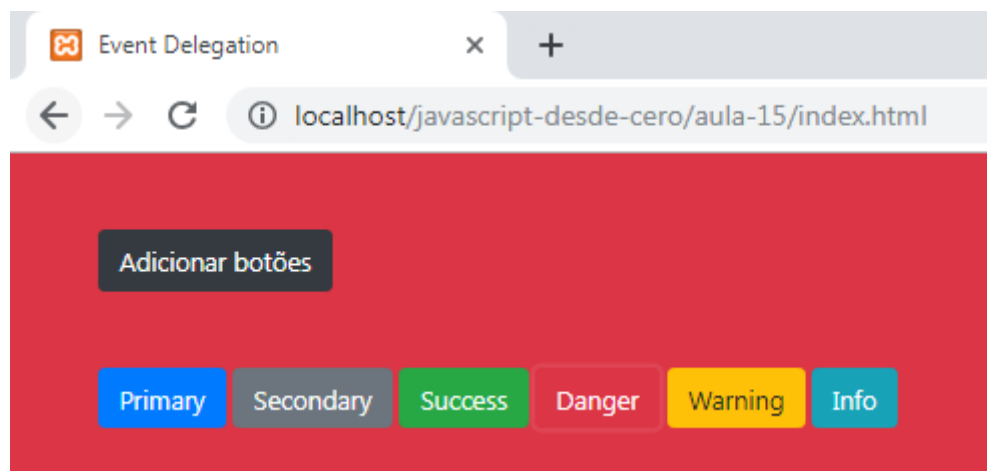
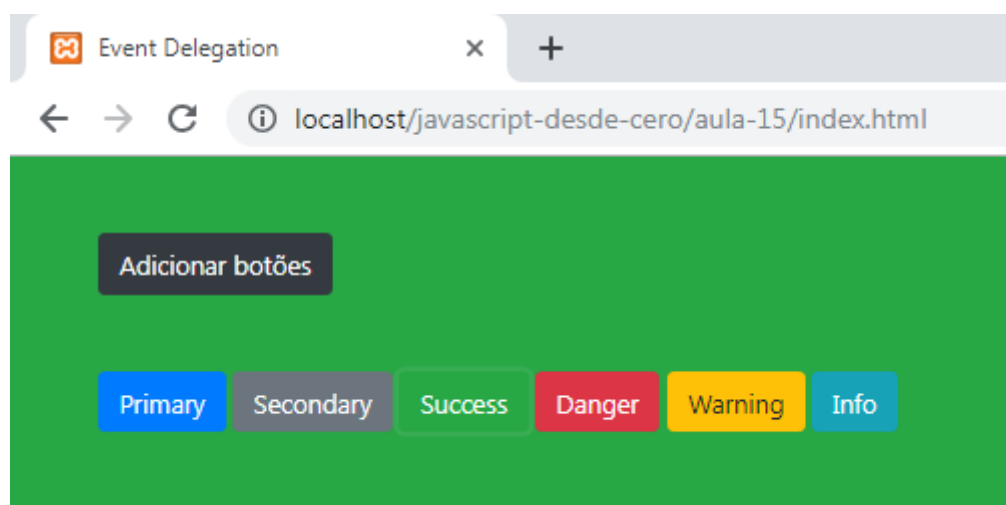
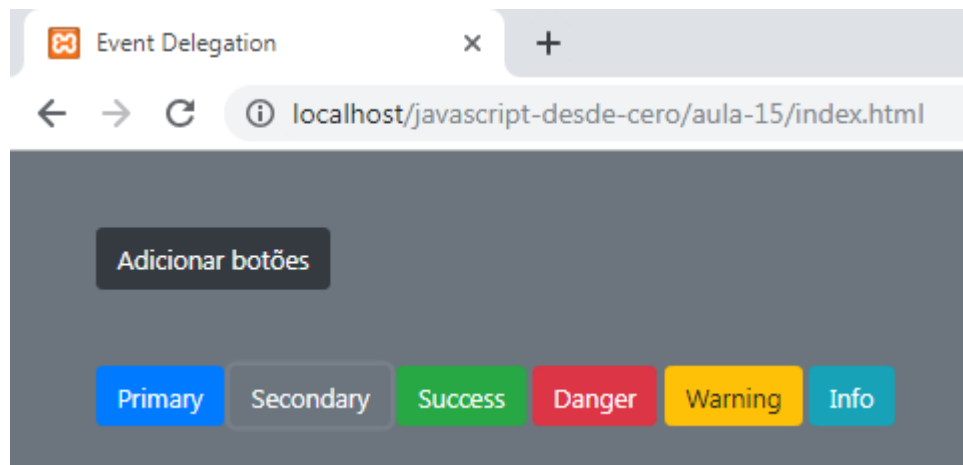
Adicionar botões

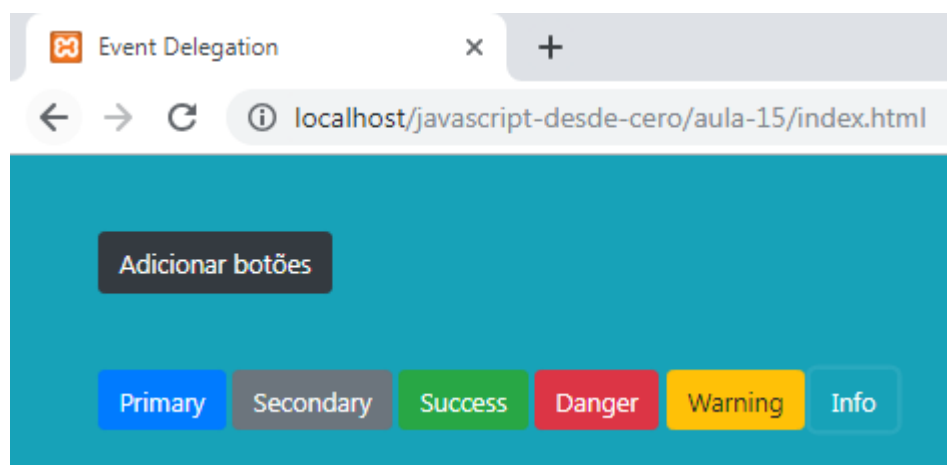
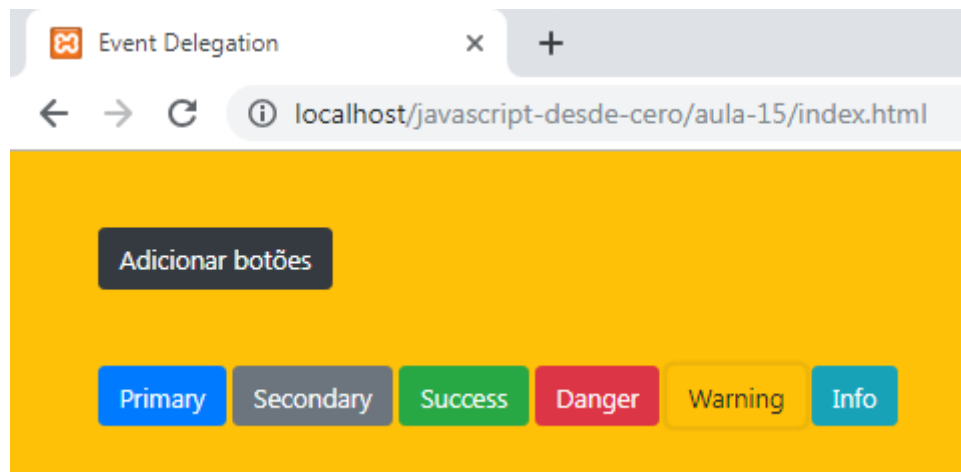
Primary Secondary Success Danger Warning Info



Adicionar botões

Primary Secondary Success Danger Warning Info





Aula 16 - LocalStorage

Conceitos e definições

LocalStorage guarda cadeias de texto.

chave => valor

SET => guardar

GET => obter

As informações são guardadas no navegador do usuário.

<http://localhost/javascript-desde-cero/aula-16/index.html>

```
<!doctype html>
<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">

    <!-- Bootstrap CSS -->
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css
" integrity="sha384-
ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T"
crossorigin="anonymous">

    <title>Local Storage</title>
  </head>
  <body id="fundo">
    <div class="container mt-5">
      <button id="addBotoes" class="btn btn-dark">Alterar fundo</button>
    </div>
    <div class="container mt-5" id="botoes">
    </div>
```

```

    <!-- Optional JavaScript -->
    <!-- jQuery first, then Popper.js, then Bootstrap JS -->
    <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
integrity="sha384-
q8i/X+965Dz00rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
crossorigin="anonymous"></script>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js
" integrity="sha384-
U02eT0CpHqD5JQ6hJty5KVphtPhzWj9W01cllHTMGa3JDZwrnQq4sF86dIHNDz0W1"
crossorigin="anonymous"></script>
    <script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"
integrity="sha384-
JjSmVgyd0p3pXB1rRibZUAYoIIy60rQ6VrjIEaFf/nJGzIxFDs4x0xIM+B07jRM"
crossorigin="anonymous"></script>
    <script src="app.js"></script>
  </body>
</html>

```

aula-16/app.js

```

/* LocalStorage: Guarda cadeias de texto, chave => valor */

// SET => Guardar
// GET => Obter

// const nome = 'Ignacio';
// localStorage.setItem('nomeUsuario', nome);

// const nomeLocalStorage = localStorage.getItem('nomeUsuario');
// console.log(nomeLocalStorage);

// localStorage.removeItem('nomeUsuario');

/* Variáveis globais */

const addBotoes = document.querySelector('#addBotoes');
const botoes = document.querySelector('#botoes');
const fundo = document.querySelector('#fundo');

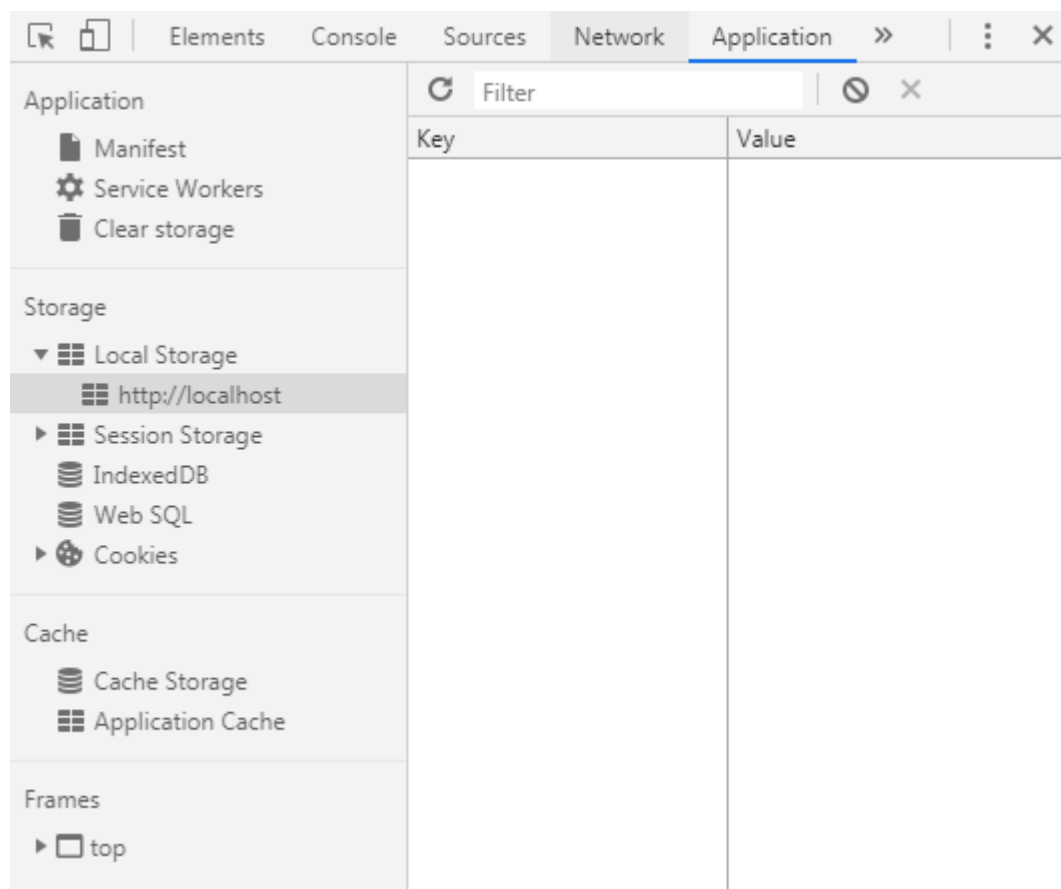
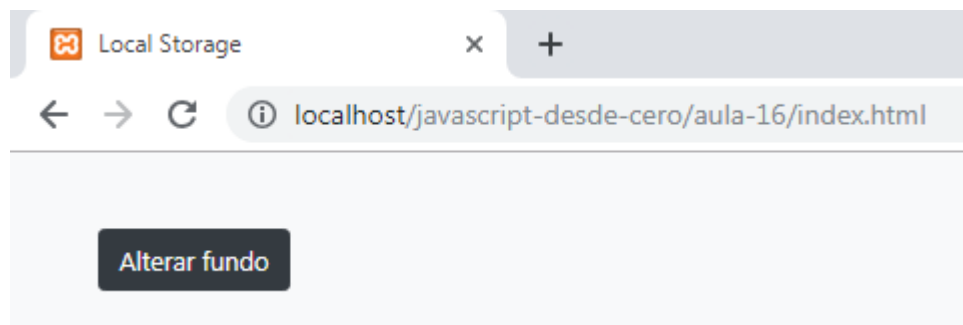
((() => {
  addBotoes.addEventListener('click', adicionarBotoes);
  botoes.addEventListener('click', delegation);
}));

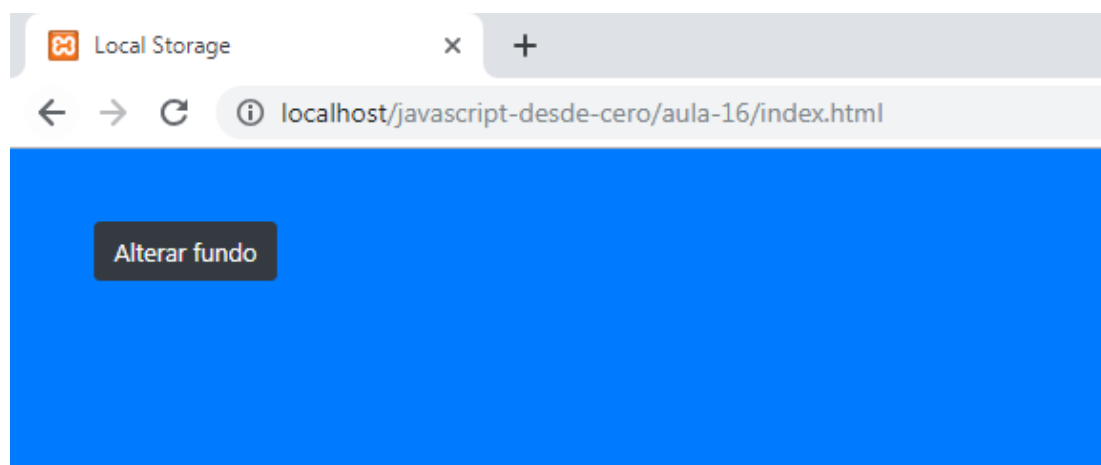
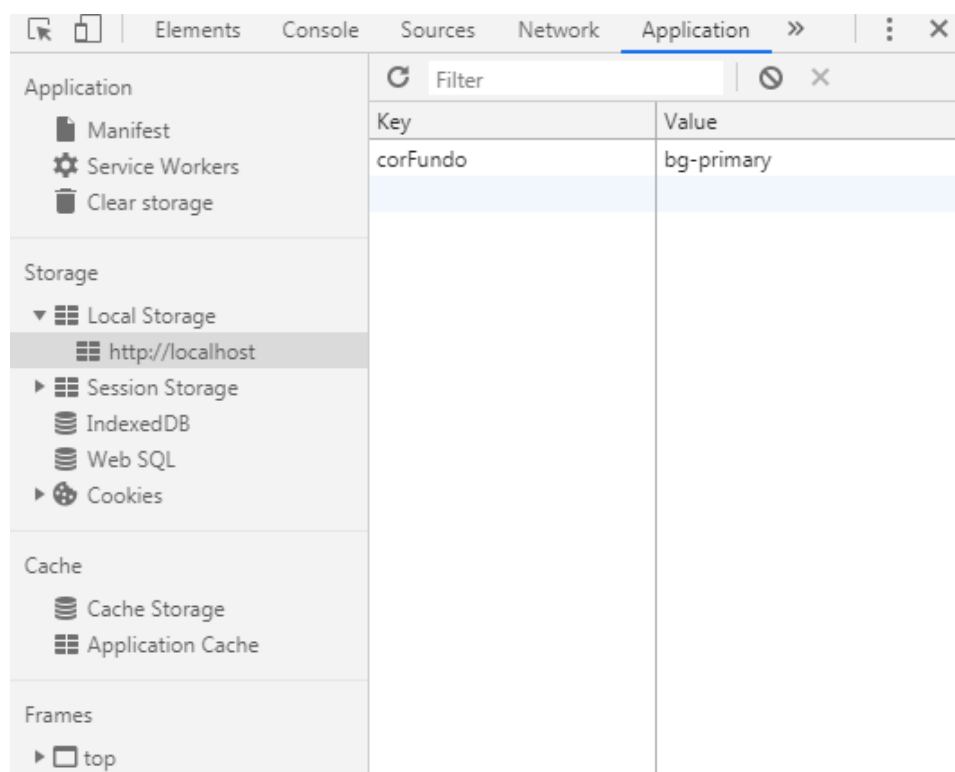
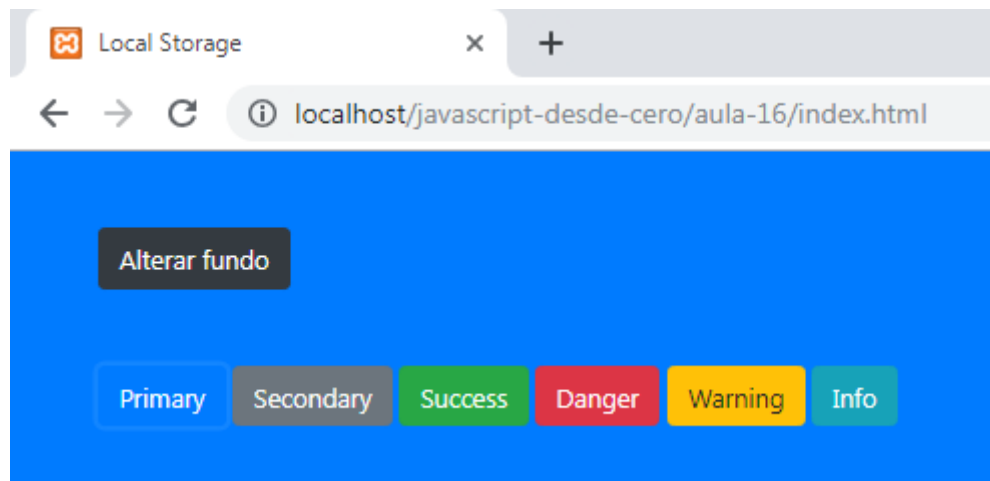
```

```
((() => {
  const color = localStorage.getItem('corFundo');
  if(color === null){
    fundo.className = 'bg-light';
  } else {
    fundo.className = color;
  }
})());

function delegation(e){
  e.preventDefault();
  // console.log('Você clicou no container!');
  // console.log(e.target.classList[1]);
  const colorButton = e.target.classList[1];
  switch(colorButton){
    case ('btn-primary'):
      fundo.className = 'bg-primary';
      localStorage.setItem('corFundo', "bg-primary");
      break;
    case ('btn-secondary'):
      fundo.className = 'bg-secondary';
      localStorage.setItem('corFundo', "bg-secondary");
      break;
    case ('btn-success'):
      fundo.className = 'bg-success';
      localStorage.setItem('corFundo', "bg-success");
      break;
    case ('btn-danger'):
      fundo.className = 'bg-danger';
      localStorage.setItem('corFundo', "bg-danger");
      break;
    case ('btn-warning'):
      fundo.className = 'bg-warning';
      localStorage.setItem('corFundo', "bg-warning");
      break;
    case ('btn-info'):
      fundo.className = 'bg-info';
      localStorage.setItem('corFundo', "bg-info");
      break;
  }
}
```

```
function adicionarBotoes(e){
  e.preventDefault();
  console.log('Você clicou no botão preto!');
  botoes.innerHTML = `<button type="button" class="btn btn-
primary">Primary</button>
  <button type="button" class="btn btn-secondary">Secondary</button>
  <button type="button" class="btn btn-success">Success</button>
  <button type="button" class="btn btn-danger">Danger</button>
  <button type="button" class="btn btn-warning">Warning</button>
  <button type="button" class="btn btn-info">Info</button>`;
}
```





Aula 17 - LocalStorage

CRUD com LocalStorage e Vanilla Javascript

<http://localhost/javascript-desde-cero/aula-17/index.html>

```
<!doctype html>
<html lang="en">

<head>
  <!-- Required meta tags -->
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">
  <link rel="stylesheet"
href="https://fonts.googleapis.com/icon?family=Material+Icons">

  <!-- Bootstrap CSS -->
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css
"
      integrity="sha384-
ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T"
crossorigin="anonymous">

  <title> CRUD com LocalStorage</title>
</head>

<body>
  <div class="container mt-5">
    <h3>
      <i class="material-icons">
        accessibility
      </i>
      GYM</h3>
    <form id="formulario">
      <input type="text" id="atividade" class="form-control my-3">
      <button type="submit" class="btn btn-primary">Guardar</button>
    </form>

    <div id="listaAtividades" class="mt-4">
    </div>

  </div>
```

```

<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
        integrity="sha384-
q8i/X+965Dz00rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
        crossorigin="anonymous"></script>
<script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js"
"
        integrity="sha384-
U02eT0CpHqDz00rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
        crossorigin="anonymous"></script>
<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"
        integrity="sha384-
JjSmVgyd0p3pXB1rRibZUAYoIIy60rQ6VrjIEaFf/nJGzIXFDsf4x0xIM+B07jRM"
        crossorigin="anonymous"></script>
<script src="app.js"></script>
</body>
</html>

```

aula-17/app.js

```

/* Variáveis globais */

const formularioUI = document.querySelector('#formulario');
const listaAtividadesUI = document.getElementById('listaAtividades');
let arrayAtividades = [];

/* Funções */

const CriarItem = (atividade) => {
  let item = {
    atividade: atividade,
    status: false
  }
  arrayAtividades.push(item);
  return item;
}

const GuardarDB = (atividade) => {
  localStorage.setItem('rotina', JSON.stringify(arrayAtividades));
  lerDB();
}

```

```

const lerDB = () => {
  listaAtividadesUI.innerHTML = '';
  arrayAtividades = JSON.parse(localStorage.getItem('rotina'));
  if (arrayAtividades === null) {
    arrayAtividades = [];
  } else {
    arrayAtividades.forEach(element => {
      // console.log(element);
      if (element.status) {
        listaAtividadesUI.innerHTML += `<div class="alert alert-
success" role="alert">
  <i class="material-icons float-left mr-2">accessibility</i>
  <b>${element.atividade}</b> - ${element.status}
  <span class="float-right">
    <i class="material-icons">done</i>
    <i class="material-icons">delete</i>
  </span>
</div>`
      } else {
        listaAtividadesUI.innerHTML += `<div class="alert alert-
danger" role="alert">
  <i class="material-icons float-left mr-2">accessibility</i>
  <b>${element.atividade}</b> - ${element.status}
  <span class="float-right">
    <i class="material-icons">done</i>
    <i class="material-icons">delete</i>
  </span>
</div>`
      }
    });
  }
}

const EliminarDB = (atividade) => {
  // console.log(atividade);
  let indexArray;
  arrayAtividades.forEach((element, index) => {
    // console.log(index);
    if (element.atividade === atividade) {
      indexArray = index;
    }
  });
  arrayAtividades.splice(indexArray, 1);
  GuardarDB();
}

```

```

const EditarDB = (atividade) => {
    let indexArray = arrayAtividades.findIndex((element) => element.atividade
=== atividade);
    console.log(arrayAtividades[indexArray]);
    arrayAtividades[indexArray].status = true;
    GuardarDB();
}

/* EventListener */

formularioUI.addEventListener('submit', (e) => {
    e.preventDefault();
    let atividadeUI = document.querySelector('#atividade').value;
    console.log(atividadeUI);

    CriarItem(atividadeUI);
    GuardarDB();

    formularioUI.reset();
});

document.addEventListener('DOMContentLoaded', lerDB);

listaAtividadesUI.addEventListener('click', (e) => {
    e.preventDefault();
    // console.log(e.target.innerHTML);

    if (e.target.innerHTML === 'done' || e.target.innerHTML === 'delete') {
        let texto = e.path[2].childNodes[3].innerHTML;
        if (e.target.innerHTML === 'delete') {
            let texto = e.path[2].childNodes[3].innerHTML;
            // Ação de eliminar
            EliminarDB(texto);
        }
        if (e.target.innerHTML === 'done') {
            // Ação de editar
            EditarDB(texto);
        }
    }
});

```

GYM

Guardar

Application

Manifest

Service Workers

Clear storage

Storage

Local Storage

http://localhost

Session Storage

IndexedDB

Web SQL

Cookies

Cache

Cache Storage

Application Cache

Frames

top

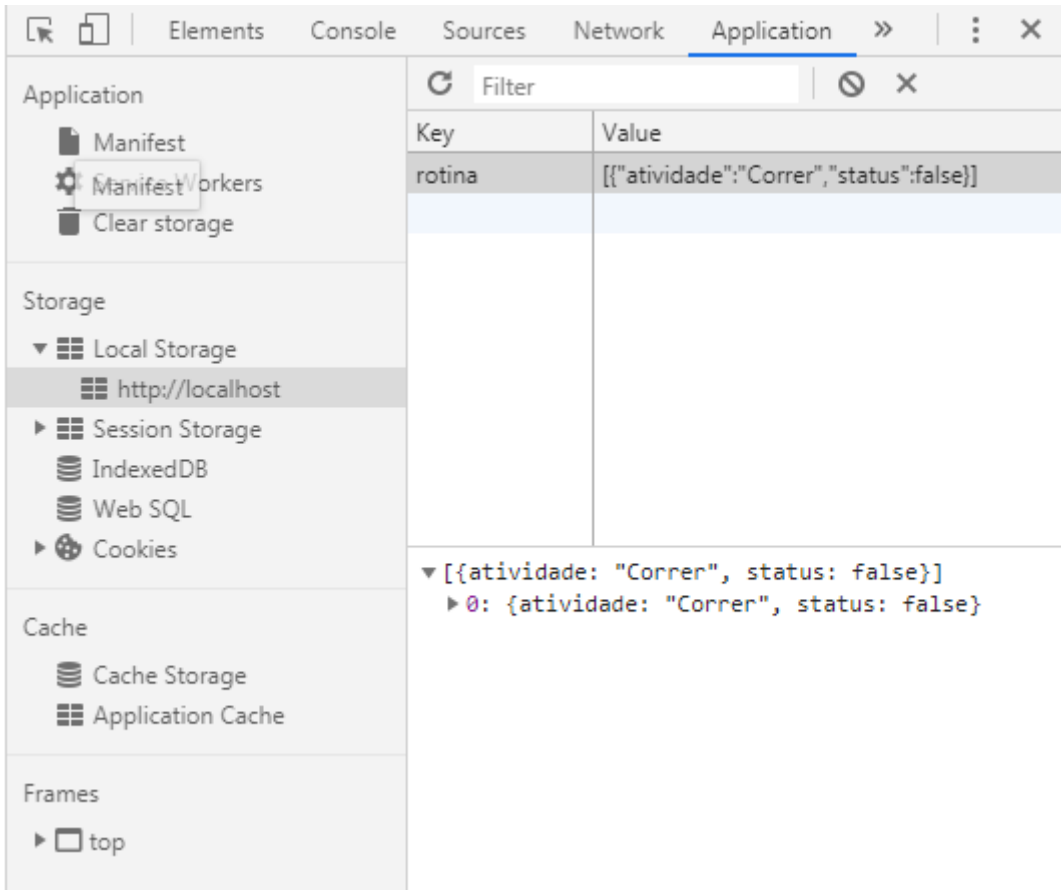
Filter

Key	Value
rotina	[]

▼ []


No properties

Adicionando atividades




GYM

Guardar

 Correr - false



 Nadar - false



Elements Console Sources Network Application >> X

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Filter

Key	Value
rotina	[{"atividade": "Correr", "status": false}, {"a...

▼ [{"atividade": "Correr", "status": false}, {"atividade": "Nadar", "status": false}]

- 0: {"atividade": "Correr", "status": false}
- 1: {"atividade": "Nadar", "status": false}

GYM

Guardar

🏃 Correr - false



🏊 Nadar - false



🏋 Abdominais - false



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Filter

Key	Value
rotina	[{"atividade": "Correr", "status": false}, {"a...

▼ [{"atividade": "Correr", "status": false}, {"atividade": "Nadar", "status": false}, {"atividade": "Abdominais", "status": false}]

0: {atividade: "Correr", status: false}

1: {atividade: "Nadar", status: false}

2: {atividade: "Abdominais", status: false}

Atividades concluídas

CRUD com LocalStorage

+

←

→

↻

localhost/javascript-desde-cero/aula-17/index.html?

🏋️ GYM

Guardar

🏋️ Correr - false

✓

🗑️

🏋️ Nadar - false

✓

🗑️

🏋️ Abdominais - true

✓

🗑️

CRUD com LocalStorage

+

←

→

↻

localhost/javascript-desde-cero/aula-17/index.html?

🏋️ GYM

Guardar

🏋️ Correr - true

✓

🗑️

🏋️ Nadar - false

✓

🗑️

🏋️ Abdominais - true

✓

🗑️

Application

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Filter

Key	Value
rotina	[{"atividade":"Correr","status":true}, {"at...

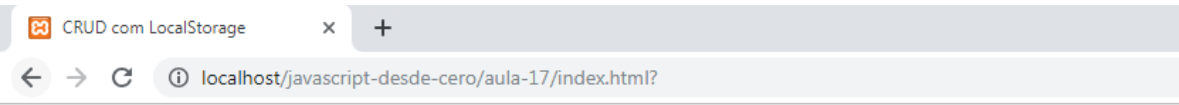
▼ [{"atividade": "Correr", status: true}, {"atividad

▶ 0: {atividade: "Correr", status: true}

▶ 1: {atividade: "Nadar", status: false}

▶ 2: {atividade: "Abdominais", status: true}

Excluindo atividades



GYM

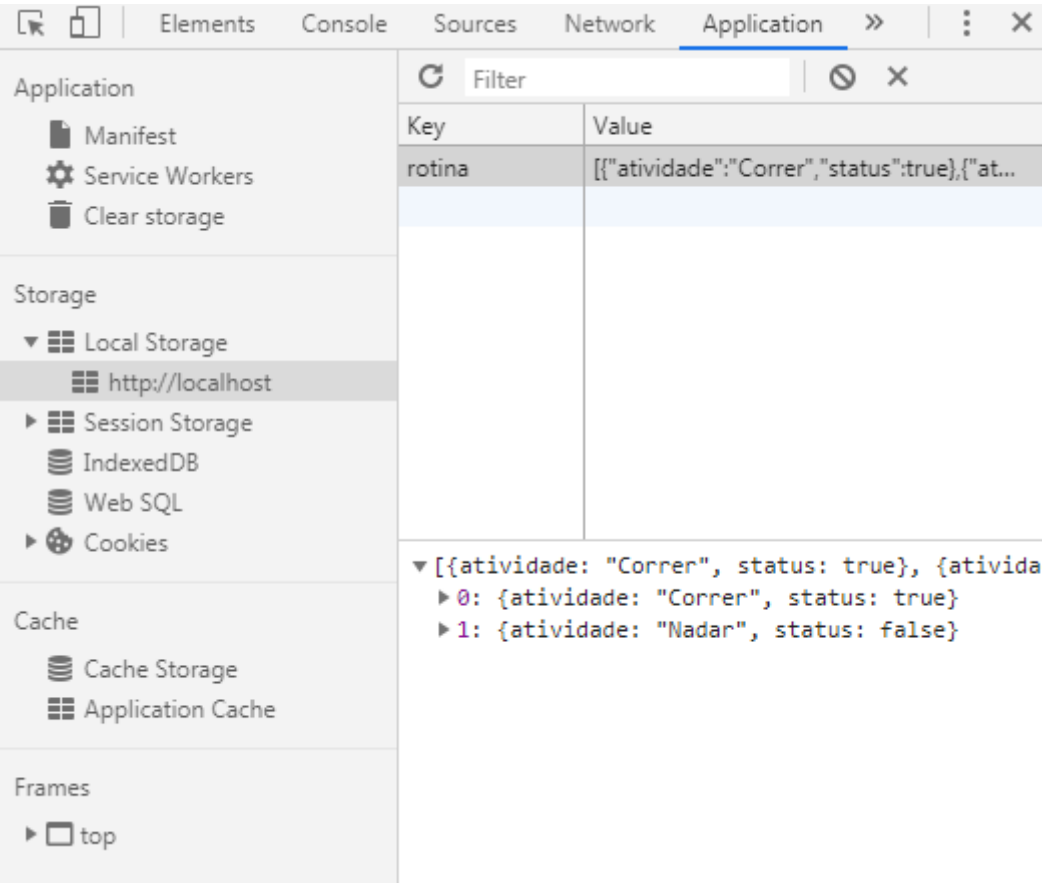
Guardar

Correr - true

✓

Nadar - false

✓



Aula 18 - Buscador em tempo real

Uso de indexOf

<http://localhost/javascript-desde-cero/aula-18/index.html>

```
<!doctype html>
<html lang="pt-br">

<head>
  <!-- Required meta tags -->
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">

  <!-- Bootstrap CSS -->
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css
"
      integrity="sha384-
ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T"
crossorigin="anonymous">

  <title>Buscador com indexOf</title>
</head>

<body>
  <div class="container mt-5">
    <h1>Buscador com indexOf</h1>
    <input type="text" id="formulario" class="form-control">
    <button id="botao" class="btn btn-info my-3">Buscar</button>
    <ul id="resultado"></ul>
  </div>

  <script src="app.js"></script>
</body>

</html>
```

aula-18/app.js

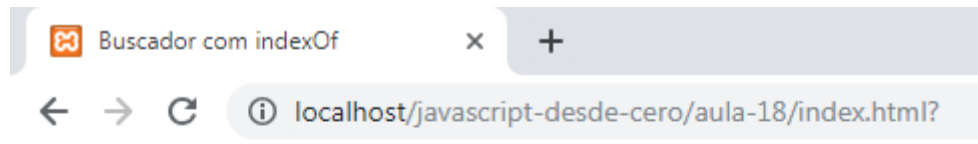
```
const produtos = [
  {nome: 'banana', valor: 1.50},
  {nome: 'pera', valor: 2.50},
  {nome: 'melancia', valor: 12.50},
  {nome: 'melão', valor: 4.50},
  {nome: 'morango', valor: 3.50},
  {nome: 'maçã', valor: 2.00},
  {nome: 'abacaxi', valor: 5.00},
  {nome: 'uva', valor: 4.00},
  {nome: 'laranja', valor: 2.80},
  {nome: 'limão', valor: 0.60},
];

const formulario = document.querySelector('#formulario');
const botao = document.querySelector('#botao');
const resultado = document.querySelector('#resultado');

const filtrar = () => {
  // console.log(formulario.value);
  resultado.innerHTML = '';
  const texto = formulario.value.toLowerCase();
  for(let produto of produtos){
    let nome = produto.nome.toLowerCase();
    if(nome.indexOf(texto) !== -1){
      resultado.innerHTML += `<li>${produto.nome} - Valor:
${produto.valor}</li>`
    }
  }
  if(resultado.innerHTML === ''){
    resultado.innerHTML += `<li>Produto não encontrado!</li>`;
  }
}

botao.addEventListener('click', filtrar);
formulario.addEventListener('keyup', filtrar);

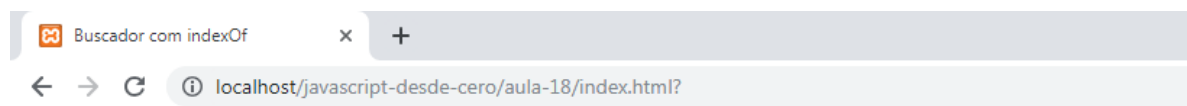
filtrar();
```



Buscador com indexOf

Buscar

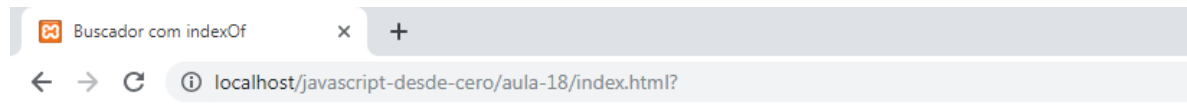
- banana - Valor: 1.5
- pera - Valor: 2.5
- melancia - Valor: 12.5
- melão - Valor: 4.5
- morango - Valor: 3.5
- maçã - Valor: 2
- abacaxi - Valor: 5
- uva - Valor: 4
- laranja - Valor: 2.8
- limão - Valor: 0.6



Buscador com indexOf

Buscar

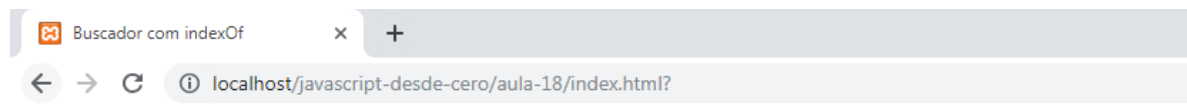
- melancia - Valor: 12.5
- melão - Valor: 4.5
- morango - Valor: 3.5
- maçã - Valor: 2
- limão - Valor: 0.6



Buscador com indexOf

Buscar

- maçã - Valor: 2



Buscador com indexOf

Buscar

- Produto não encontrado!