

Javascript desde cero

Ignácio Gutierrez (Bluuweb)

<https://www.youtube.com/watch?v=Zwcqg-7IDI0&list=PLP1811qbj-4I11QPam9ApoT7tGbmYBg9P>

Resumo do curso feito por Roberto Pinheiro

Aula 1 - Introdução

Executando um arquivo em javascript

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

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;

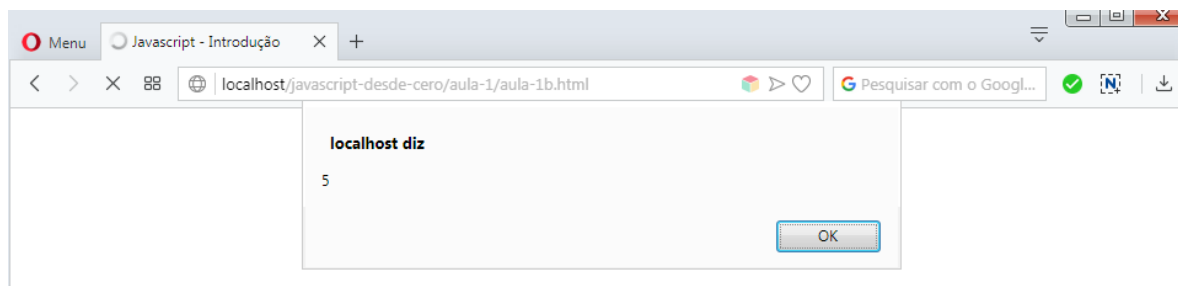
alert(num1 + num2);

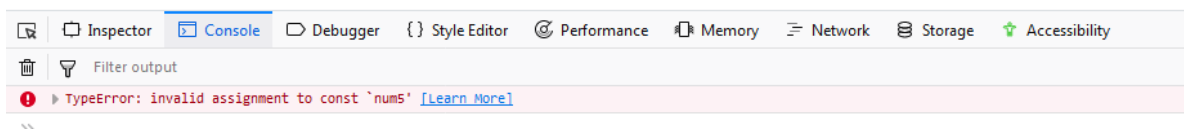
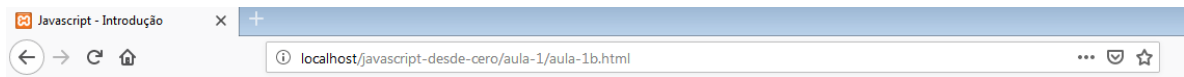
var num3 = 5;
var num4 = '10';

alert(num3 + num4);

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

alert(num5);
```





Operadores de incremento e de decremento

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;

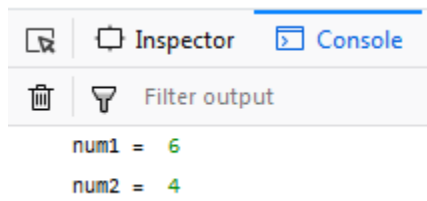
num1++;

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

var num2 = 5;

num2--;

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



Condicionais em Javascript

if-else

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

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>
```

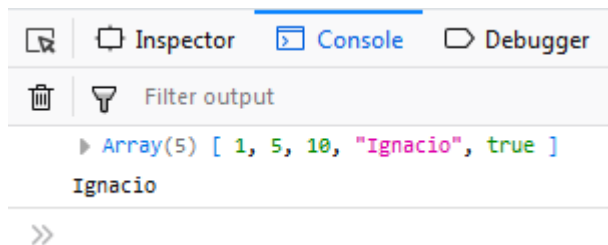
aula-1\js\aula-1e.js

```
/* Arrays */

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

console.log(array);

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



Estruturas de controle em Javascript

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!');
}
```


 Inspector

 Console

  Filter output

```
1
5
10
Ignacio
true
i = 1
i = 2
i = 3
i = 4
i = 5
num = 0
num = 1
num = 2
num = 3
Boa tarde!
```

Funções em Javascript

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>

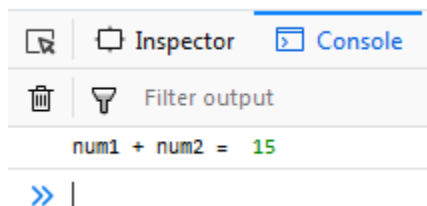
  <script src="js/aula-1g.js"></script>
</body>
</html>
```

aula-1/js/aula-1g.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

aula-2\aula-2a.html

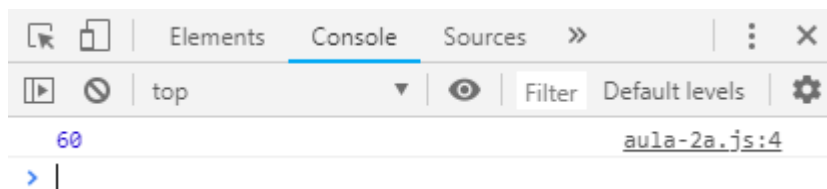
```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>var, let e const</title>
</head>
<body>

  <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

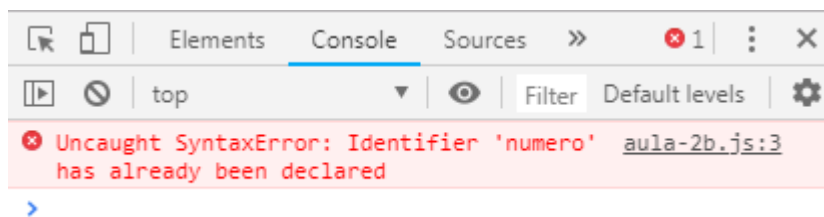
aula-2\aula-2b.html

```
<!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

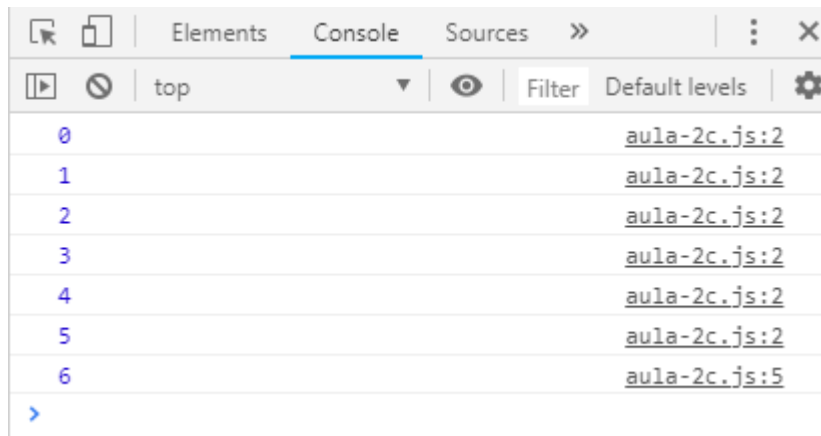
aula-2/aula-2c.html

```
<!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.

aula-2/aula-2d.html

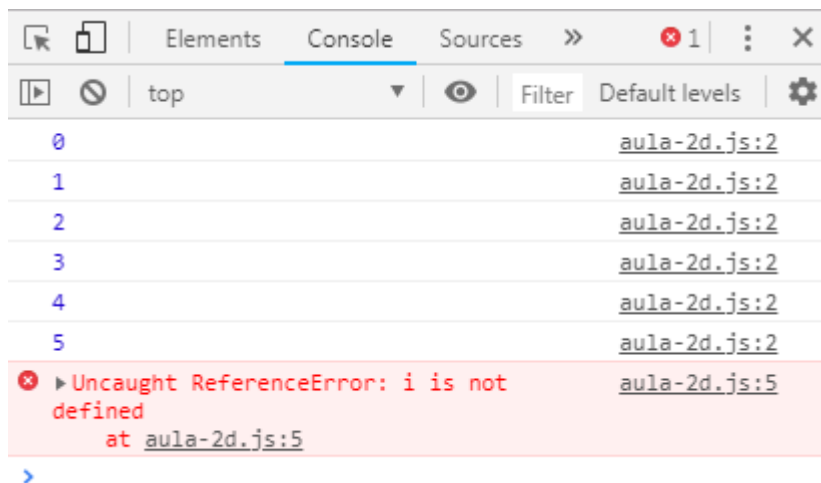
```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>var, let e const</title>
</head>
<body>
  <script src="js/aula-2d.js"></script>
</body>
</html>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

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.



aula-2/aula-2e.html

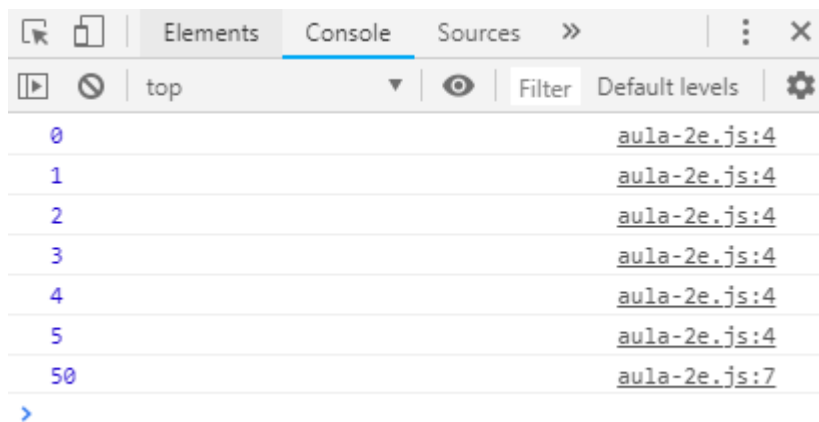
```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>var, let e const</title>
</head>
<body>
  <script src="js/aula-2e.js"></script>
</body>
</html>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

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

```
let i = 50;

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

console.log(i);
```



const

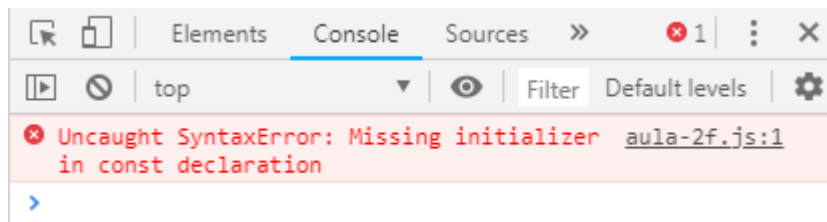
aula-2/aula-2f.html

```
<!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);
```



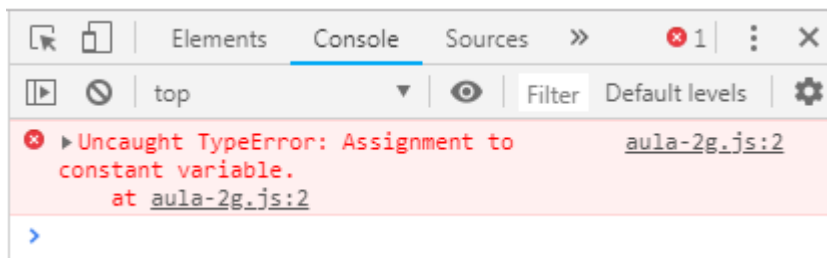
aula-2/aula-2g.html

```
<!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>
</script>
</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.

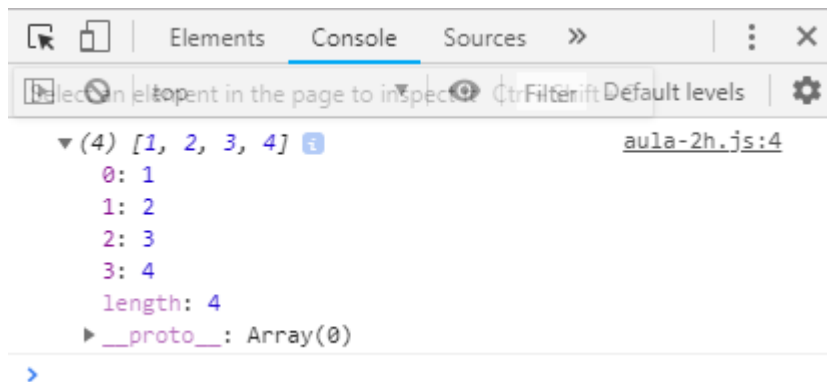
aula-2/aula-2h.html

```
<!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>
  </script>
</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);
```

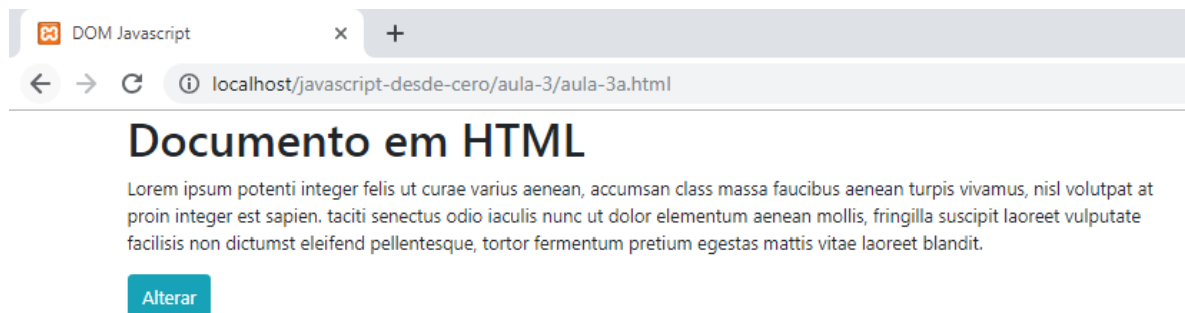


A uma **const** já inicializada, não é permitido atribuir um novo valor, porém se for um **array** podem ser incluídos valores diferentes dos existentes ou deletados valores nesse array.

Aula 3 - DOM Javascript

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
    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);

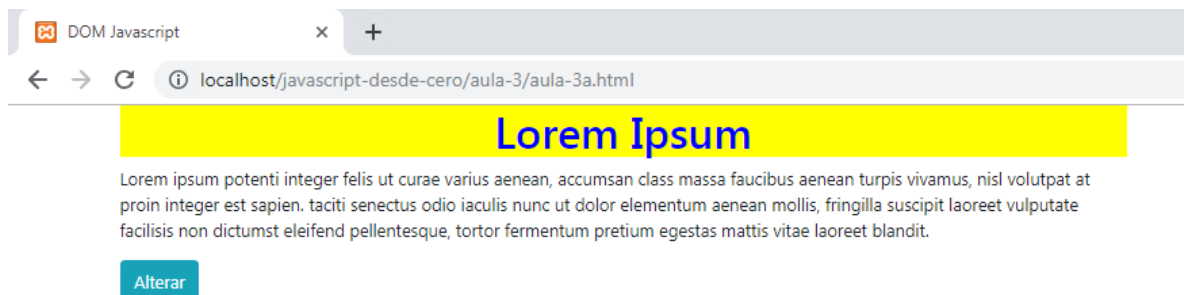
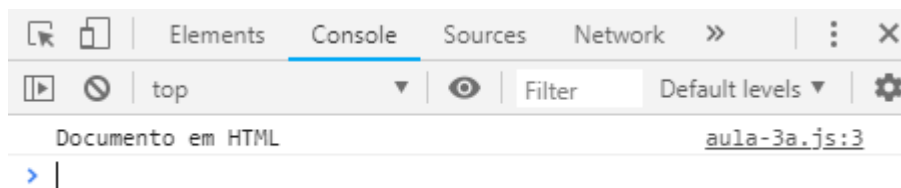
titulo1.innerHTML = "Lorem Ipsum";

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

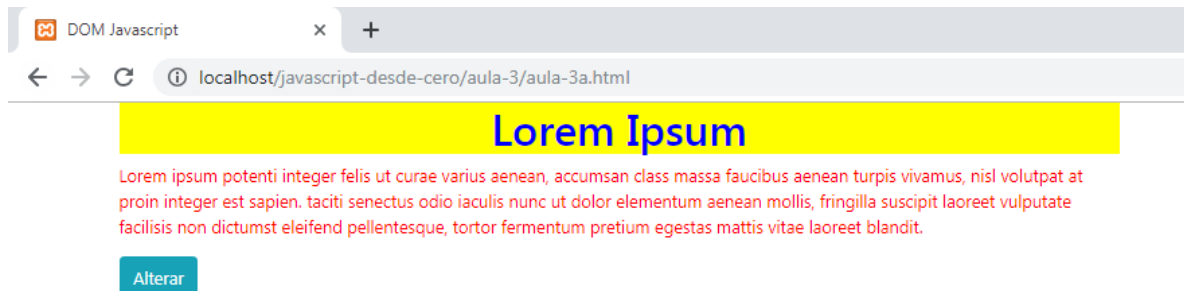
var p1 = document.getElementById('paragrafo1');
var bt1 = document.getElementById('botao');

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

bt1.onclick = alterar_cor;
```



Clicando no botão:

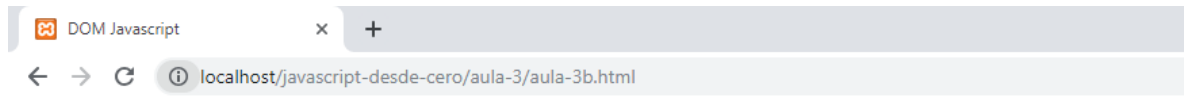


aula-3/aula-3b.html

```
<!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
    href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.
    css">
    rel="stylesheet"
  </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]);
```

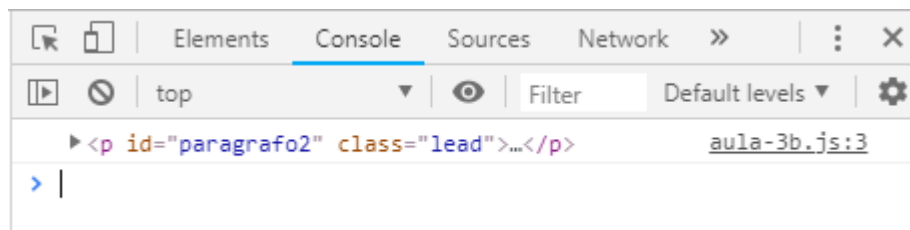


Documento em HTML

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



aula-3\aula-3c.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
    href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.
    css">
    rel="stylesheet"
  </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-3c.js"></script>
</body>
</html>
```

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

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

console.log(paragrafos);
```



```
aula-3c.js:3
▼<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>
>
```

Seleciona apenas o primeiro parágrafo.

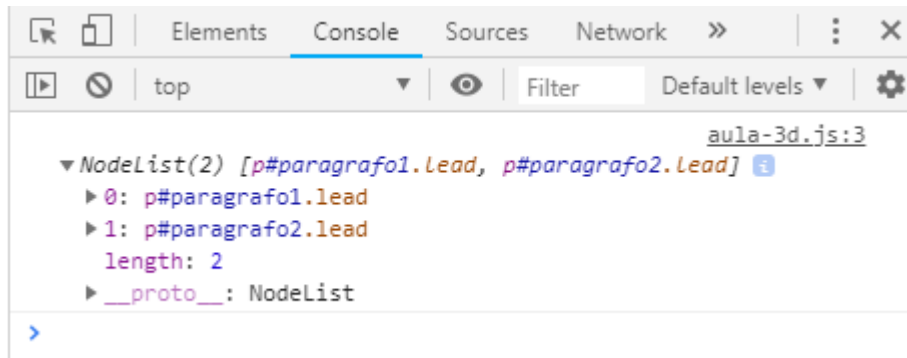
aula-3\aula-3d.html

```
<!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
    href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.
    css"
    rel="stylesheet"
  >
</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-3d.js"></script>
</body>
</html>
```

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

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

console.log(paragrafos);
```



Selecciona todos os parágrafos.

Eventos em Javascript

aula-3/aula-3e.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>
```

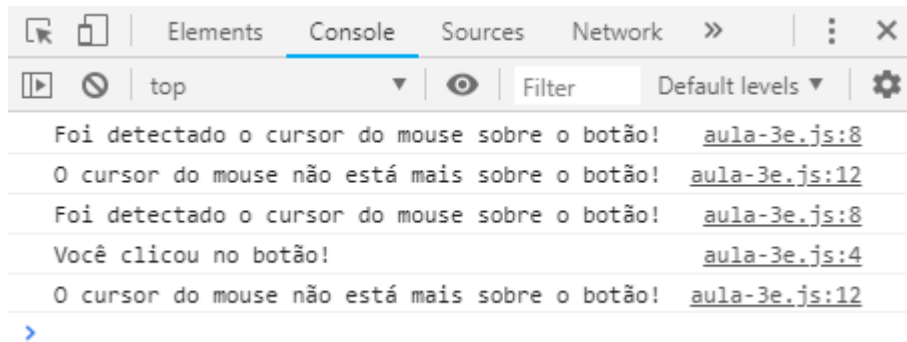
aula-3/js/aula-3e.js

```
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)

aula-4/aula-4a.html

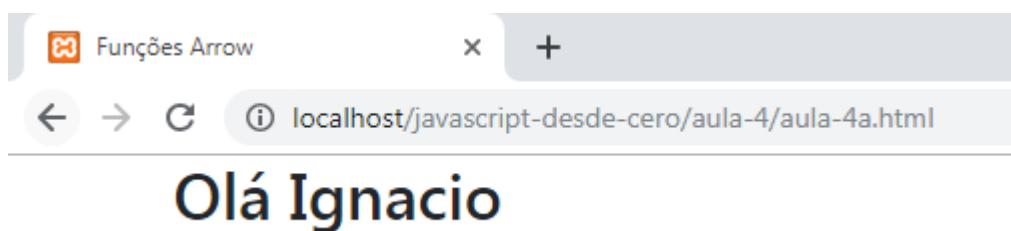
```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Funções Arrow</title>
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.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

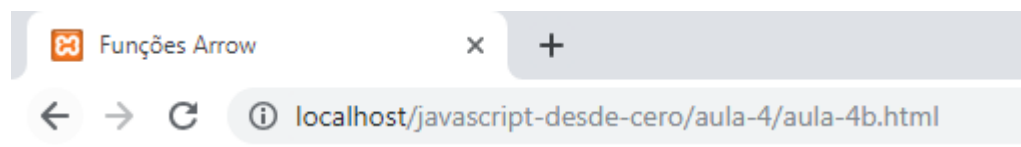
```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Funções Arrow</title>
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.
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);
```



Olá Ignacio

aula-4/aula-4b.html

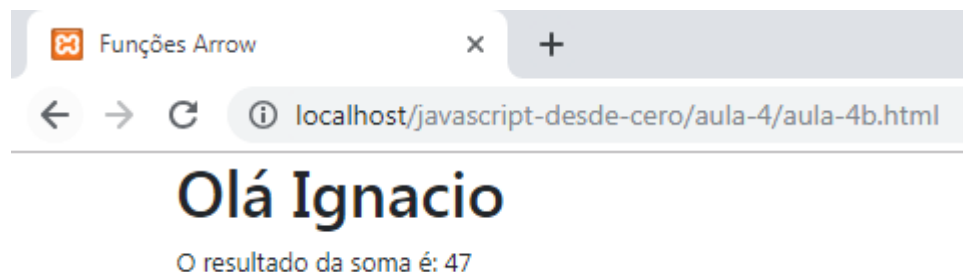
```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Funções Arrow</title>
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstr
ap.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);
```



aula-4/aula-4c.html

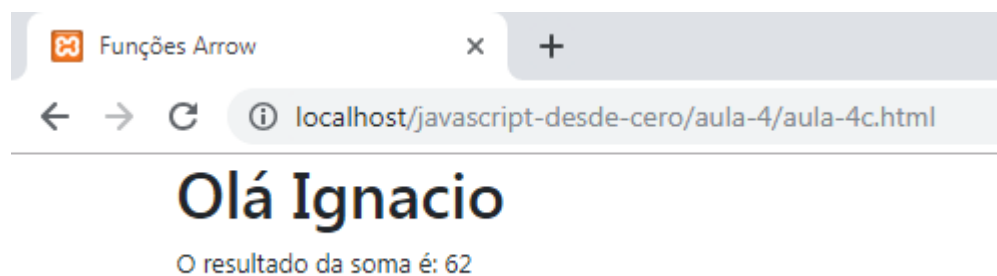
```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Funções Arrow</title>
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.
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);
```



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>

The screenshot shows the JSON response from the API endpoint <https://mindicador.cl/api/dolar>. The response is a JSON object with the following structure:

```
{ "version": "1.5.0", "autor": "mindicador.cl", "codigo": "dolar", "nombre": "Dólar observado", "unidad_medida": "Pesos", "serie": [ { "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 } ] }
```

Arrays

aula-5/aula-5a.html

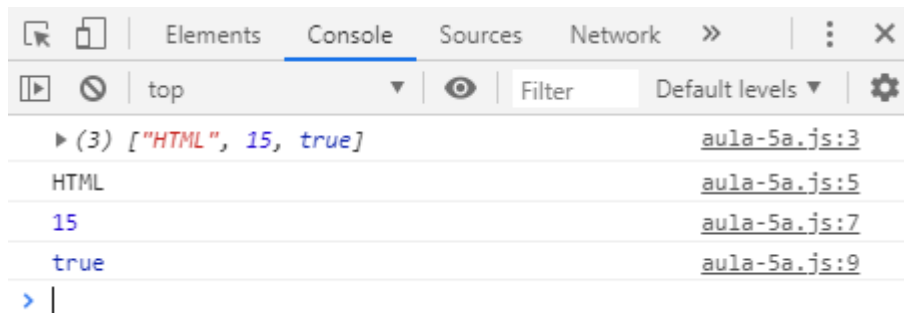
```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Objetos</title>
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.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

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);
```

Elements		Console	Sources	Network	»	⋮	×
▶	🔍	top ▼	👁	Filter	Default levels ▼	⚙	
		▶ {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

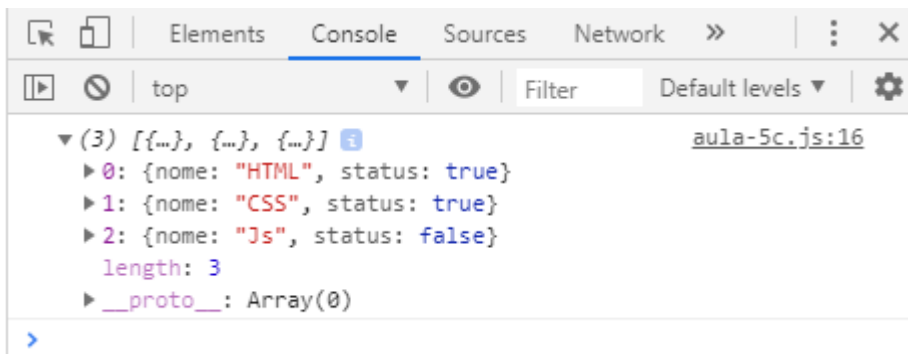
aula-5/aula-5c.html

```
<!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);
```



aula-5/aula-5d.html

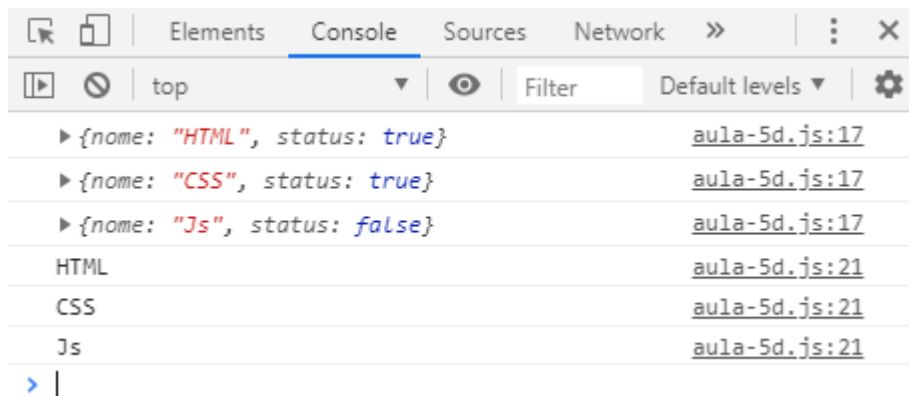
```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Objetos</title>
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.
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);
}
```



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

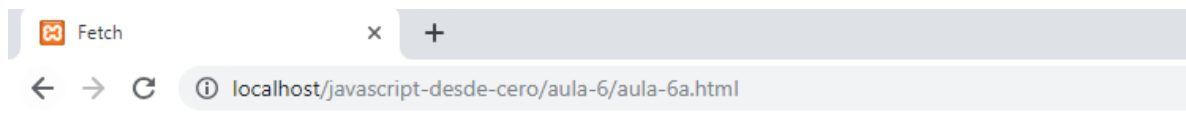
aula-6/aula-6a.html

```
<!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!

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>
```

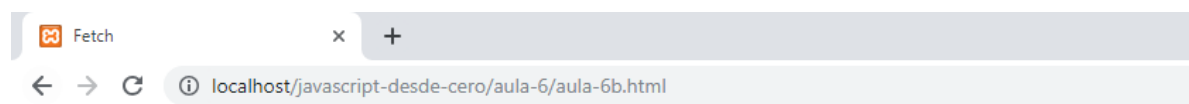
aula-6/js/aula-6b.js

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

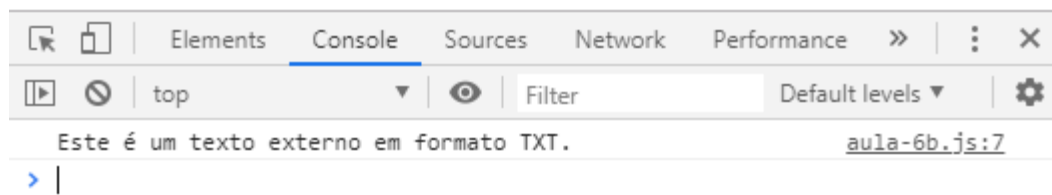
function trazer(){
  fetch('textos/texto1.txt')
  .then(data => data.text())
  .then (data => {
    console.log(data)
    conteudo.innerHTML = `${data}`
  })
}
```

aula-6/textos/texto1.txt

Este é um texto externo em formato TXT.

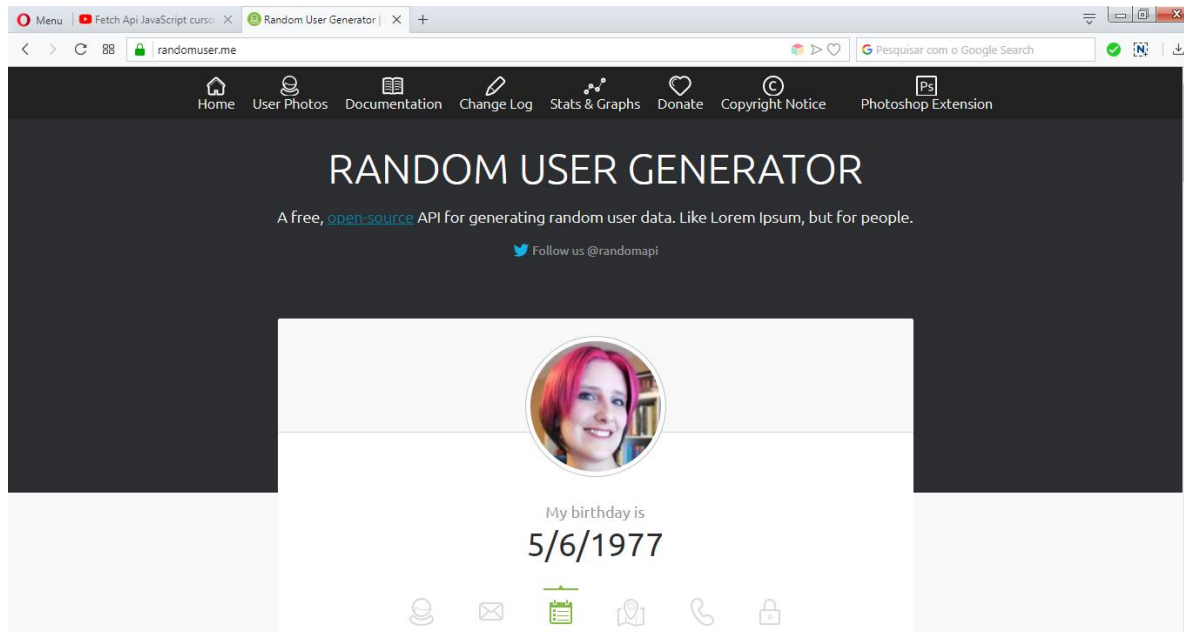


Este é um texto externo em formato TXT.



Aula 7 - Consumir API pública

Acesse a URL:
<https://randomuser.me>



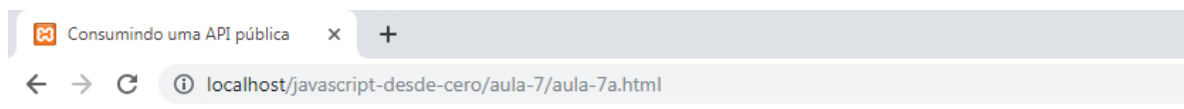
aula-7/aula-7a.html

```
<!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');

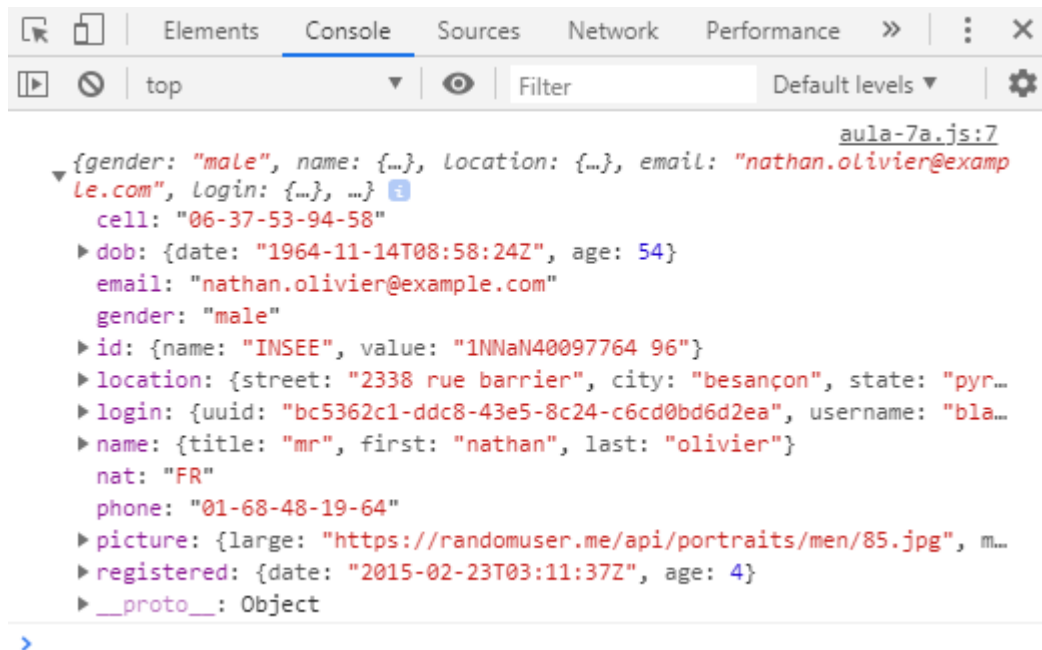
function trazer(){
  fetch('https://randomuser.me/api/')
    .then(res => res.json())
    .then (data => {
      console.log(data.results['0'])
      conteudo.innerHTML = `
        
        <p>Nome: ${data.results['0'].name.first}
        ${data.results['0'].name.last}</p>
      `
    })
}
```



Obter



Nome: nathan olivier



Aula 8 - Criar tabela dinâmica com JSON

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>
```

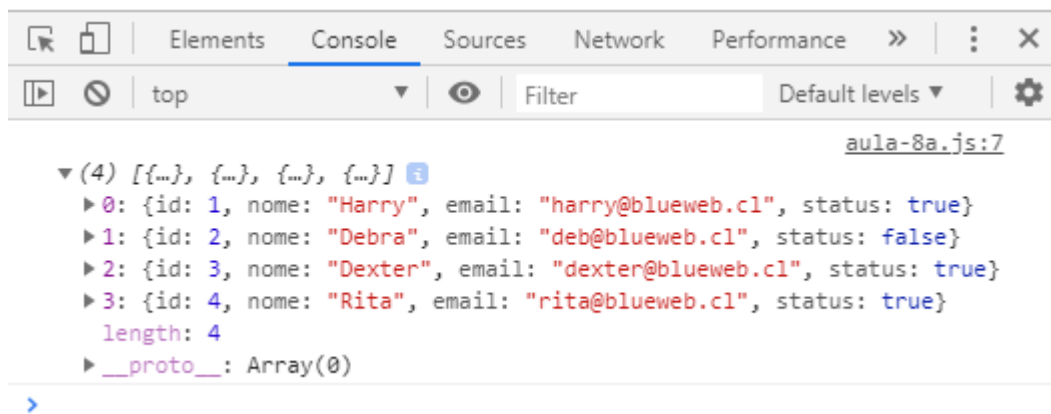
aula-8/js/aula-8a.js

```
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
  }
]
```



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>

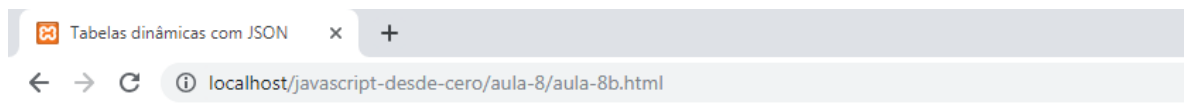
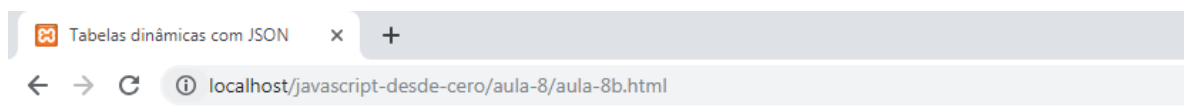
    </div>
  </div>
  <script src="js/aula-8b.js"></script>
</body>
</html>
```

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>
    `
  }
}
```



Aula 9 - Formulário com FetchAPI

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+8abtTElPi6jizo"
crossorigin="anonymous"></script>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min
.js" integrity="sha384-
U02eT0CpHqdSJJQ6hJty5KVphtPhzWj9W01clHTMGa3JDZwrnQq4sF86dIHNDz0W1"
crossorigin="anonymous"></script>
    <script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js
" integrity="sha384-
JjSmVgyd0p3pXB1rRibZUAYoIIy6OrQ6VrjIEaFf/nJGzIxFDsf4x0xIM+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!

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

Formulário com FetchAPI

Enviar

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

Enviar

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

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">

    <!-- 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+8abtTElPi6jizo"
crossorigin="anonymous"></script>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min
.js" integrity="sha384-
U02eT0CpHqdsSJQ6hJty5KVphtPhzWj9W01clHTMGa3JDZwrnQq4sF86dIHNDz0W1"
crossorigin="anonymous"></script>
    <script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js
" integrity="sha384-
JjSmVggyd0p3pXB1rRibZUAYoIIy6OrQ6VrjIEaFf/nJGzIxFDs4x0xIM+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}`;
  }
}

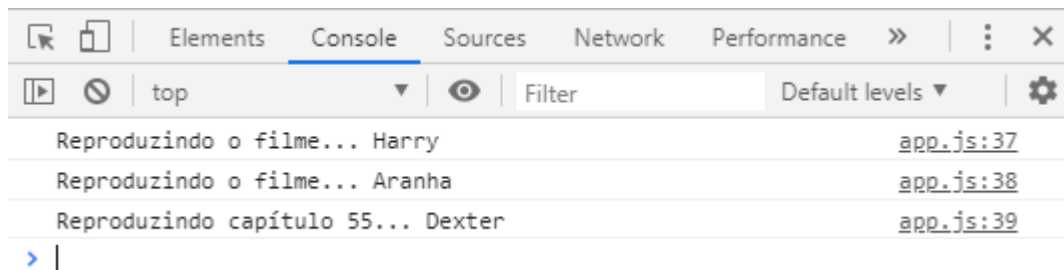
class Filme{
  constructor(nome, id){
    this.nome = nome;
    this.id = id;
  }
  reproduzir(){
    return `Reproduzindo o filme... ${this.nome}`;
  }
}

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

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/material
ize.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.

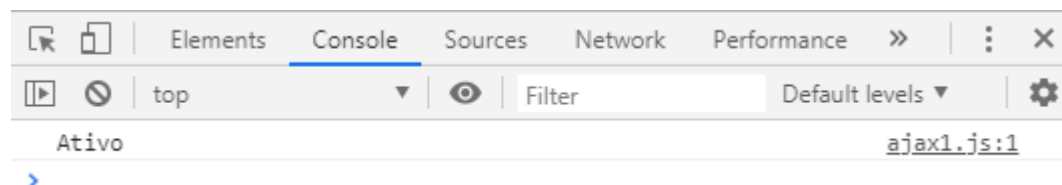
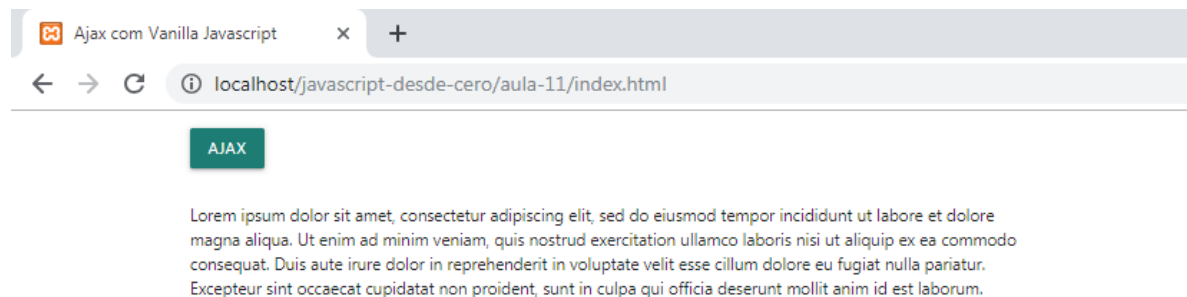
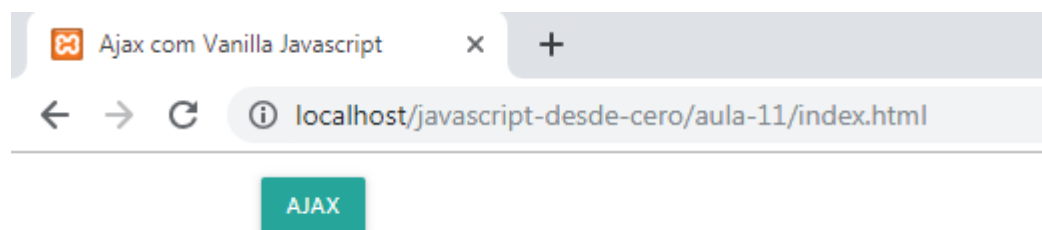
aula-11/ajax1.js

```
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();
}
```



Aula 12 - Ajax com Vanilla Javascript

Ler arquivo JSON e exibir em tabela HTML

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/material
ize.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!');

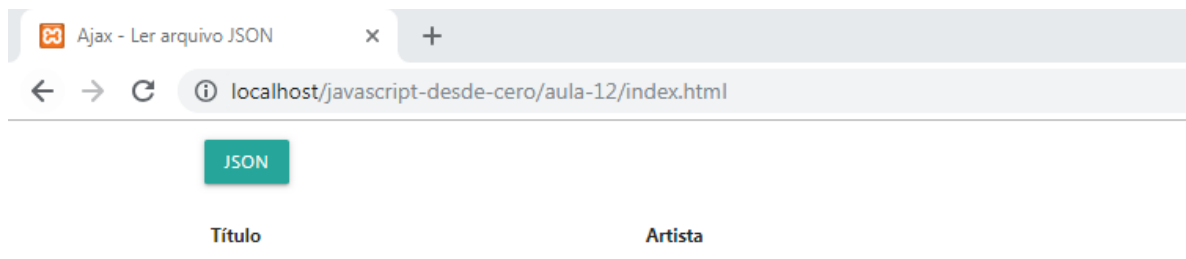
document.querySelector('#botao').addEventListener('click', trazerDados);

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
Empire Burlesque	Bob Dylan
Hide your heart	Bonnie Tyler
Greatest Hits	Dolly Parton

Elements Console Sources Network Performance >> | : X

top Filter Default levels ▾ | ⚙

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

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/material
ize.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}`;

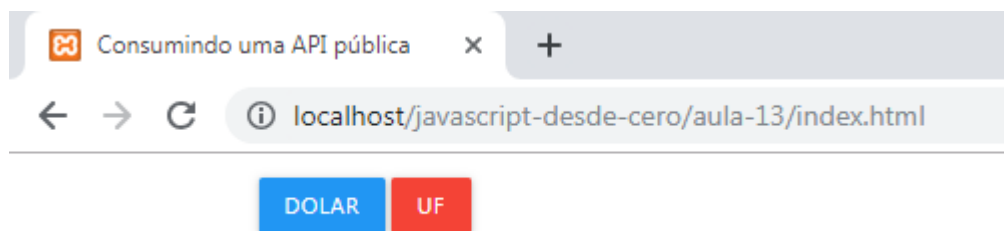
    const api = new XMLHttpRequest();
    api.onreadystatechange = function() {
        if (this.readyState == 4 && this.status == 200) {
            // console.log(this.responseText);
            let dados = JSON.parse(this.responseText);
            console.log(dados.serie);

            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

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

Elements Console Sources Network Performance » ⋮ X

top Filter Default levels ⚙

Clicado! moedas.js:10

moedas.js:19

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

>

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

Elements Console Sources Network Performance »

top Filter Default levels

Clicado! moedas.js:10

moedas.js:19

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

>

Aula 14 - Funções invocadas imediatamente

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/material
ize.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>
```

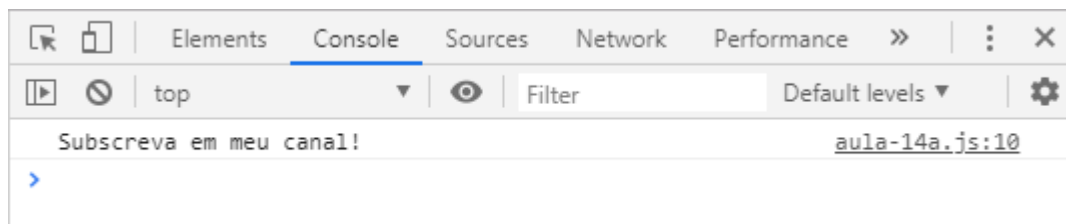
aula-14/aula-14a.js

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

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

// subscriber();

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



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/material
ize.min.css">

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

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

        </div>
      </div>

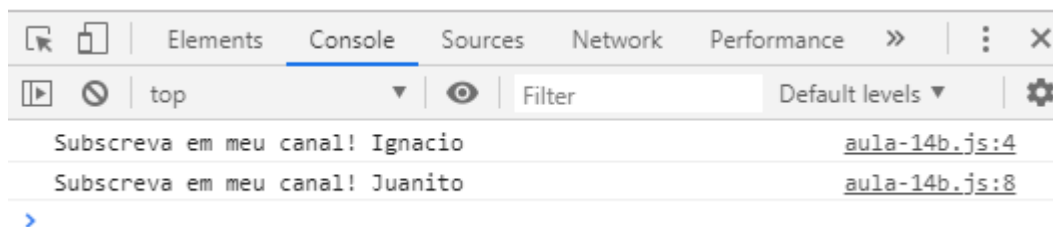
      <script src="js/aula-14b.js"></script>
    </body>
  </html>
```

aula-14/aula-14b.js

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

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

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



Aula 15 - Event Delegation

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+965DzO0rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTElPi6jizo"
crossorigin="anonymous"></script>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min
.js" integrity="sha384-
U02eT0CpHqdSJQ6hJty5KVphtPhzWj9WO1clHTMGa3JDZwrnQq4sF86dIHNDz0W1"
crossorigin="anonymous"></script>
    <script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js
" integrity="sha384-
JjSmVgyd0p3pXB1rRibZUAYoIIy6OrQ6VrjIEaFf/nJGzIxFDs4x0xIM+B07jRM"
crossorigin="anonymous"></script>
    <script src="app.js"></script>
  </body>
</html>
```

aula-15/app.js

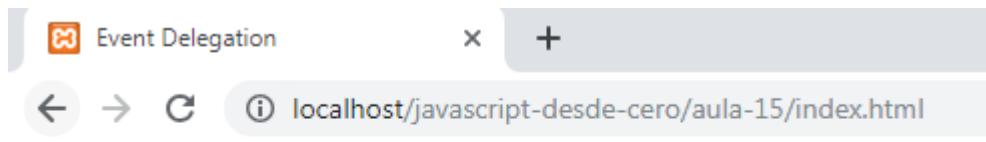
```
/* Variáveis globais */

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

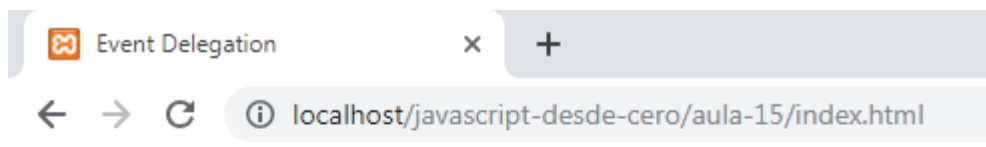
(() => {
  addBotoes.addEventListener('click', adicionarBotoes);
  botoes.addEventListener('click', delegation);
})();

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 = `
```

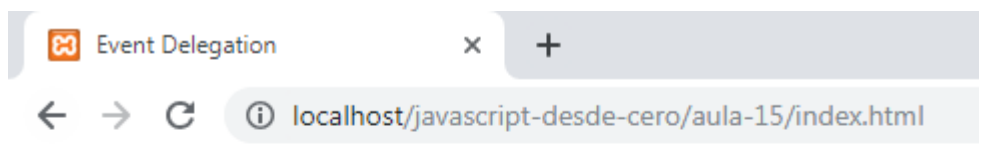


Adicionar botões



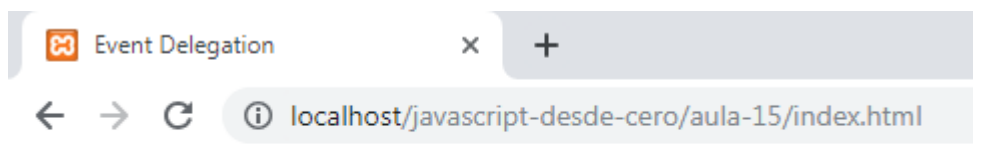
Adicionar botões

Primary Secondary Success Danger Warning Info



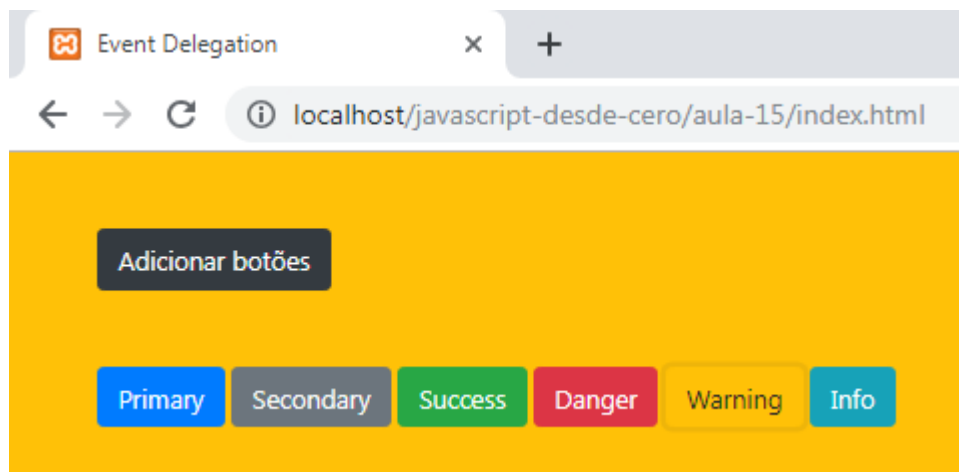
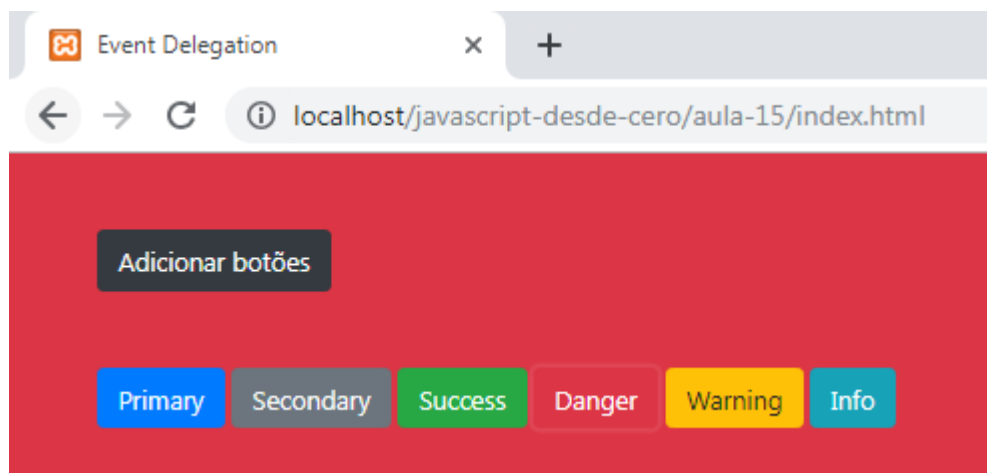
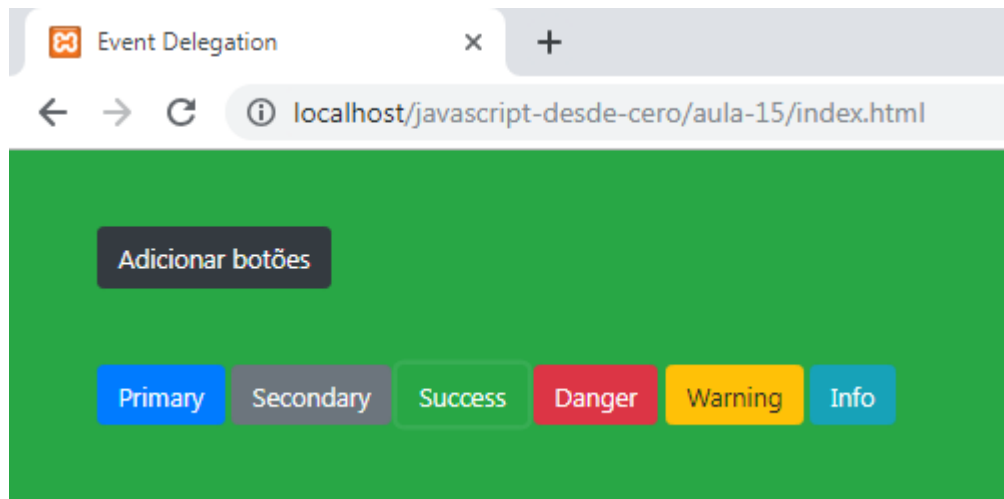
Adicionar botões

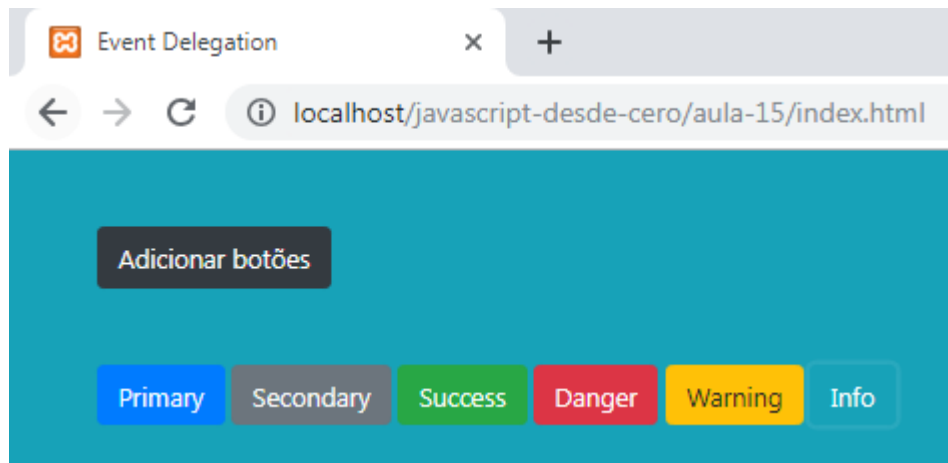
Primary Secondary Success Danger Warning Info



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.

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-
gg0yR0iXCbMQv3Xipma34MD+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+8abtTElPi6jizo"
crossorigin="anonymous"></script>
    <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min
.js" integrity="sha384-
U02eT0CpHqdSJJQ6hJty5KVphtPhzWj9W01clHTMGa3JDZwrnQq4sF86dIHNDz0W1"
crossorigin="anonymous"></script>
    <script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js
" integrity="sha384-
JjSmVgyd0p3pXB1rRibZUAYoIIy6OrQ6VrjIEaFf/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;
  }
})();

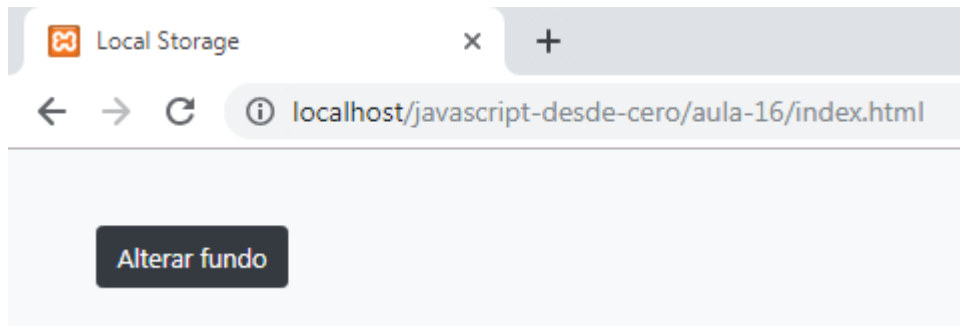
function delegation(e){
  e.preventDefault();
  // console.log('Você clicou no container!');
  // console.log(e.target.classList[1]);
  const colorButton = e.target.classList[1];
  switch(colorButton){
    case ('btn-primary'):
      fundo.className = 'bg-primary';
      localStorage.setItem('corFundo',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

```



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

Local Storage

localhost/javascript-desde-cero/aula-16/index.html

Alterar fundo

Primary Secondary Success Danger Warning Info

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
	corFundo	bg-primary

Local Storage

localhost/javascript-desde-cero/aula-16/index.html

Alterar fundo

Aula 17 - LocalStorage

CRUD com LocalStorage e Vanilla Javascript

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-
U02eT0CpHqdsJQ6hJty5KVphtPhzWj9W01clHTMGa3JDZwrnQq4sF86dIHNDz0W1"
      crossorigin="anonymous"></script>
```

```

    <script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js
"
    integrity="sha384-
JjSmVgyd0p3pXBlrRibZUAYoIIy6OrQ6VrjIEaFf/nJGzIxFDs4x0xIM+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

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Filter

Key	Value
rotina	[]

▼ []
No properties

Adicionando atividades

CRUD com LocalStorage

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

GYM

Guardar

Correr - false

✓

Application

Manifest

Manifest workers

Clear storage

Storage

Local Storage

http://localhost

Session Storage

IndexedDB

Web SQL

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top

Filter

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

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


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

GYM

Guardar

 **Correr** - false



 **Nadar** - false



Application

- Manifest
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- top

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



Application

Manifest
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top

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

x

+

←

→

↺

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

🏃 GYM

Guardar

🏃 Correr - false

✓

🗑

🏊 Nadar - false

✓

🗑

🏋 Abdominais - true

✓

🗑

CRUD com LocalStorage

x

+

←

→

↺

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

🏃 GYM

Guardar

🏃 Correr - true

✓

🗑

🏊 Nadar - false

✓

🗑

🏋 Abdominais - true

✓

🗑

Application

Manifest

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Clear storage

Storage

Local Storage

http://localhost

Session Storage

IndexedDB

Web SQL

Cookies

Cache

Cache Storage

Application Cache

Frames

top

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

CRUD com LocalStorage

+

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

GYM

Guardar

Correr - true

✓

Nadar - false

✓

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

▼

[{"atividade: "Correr", status: true}, {"atvida

▶

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

▶

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

Aula 18 - Buscador em tempo real

Uso de indexOf

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},
];

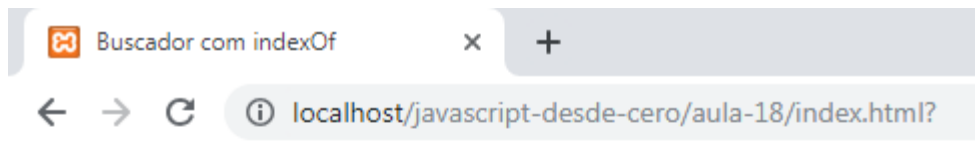
const formulario = document.querySelector('#formulario');
const botao = document.querySelector('#botao');
const resultado = document.querySelector('#resultado');
```



```
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);

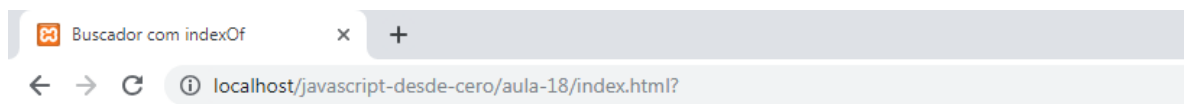
filtrar();
```



Buscador com indexOf

Buscar

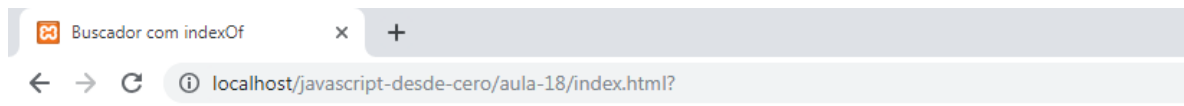
- banana - Valor: 1.5
- pera - Valor: 2.5
- melancia - Valor: 12.5
- melão - Valor: 4.5
- morango - Valor: 3.5
- maçã - Valor: 2
- abacaxi - Valor: 5
- uva - Valor: 4
- laranja - Valor: 2.8
- limão - Valor: 0.6



Buscador com indexOf

Buscar

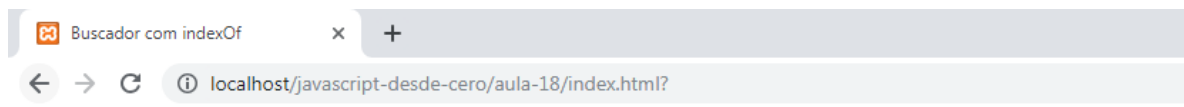
- melancia - Valor: 12.5
- melão - Valor: 4.5
- morango - Valor: 3.5
- maçã - Valor: 2
- limão - Valor: 0.6



Buscador com indexOf

Buscar

- maçã - Valor: 2



Buscador com indexOf

Buscar

- Produto não encontrado!