


Introdução à Programação WEB



Codificando e executando websites





```
<HTML XMLS =  
<META HTML  
<TITLE>  
<META NAME = "DESCRIPTION"
```

Codificando com HTML...

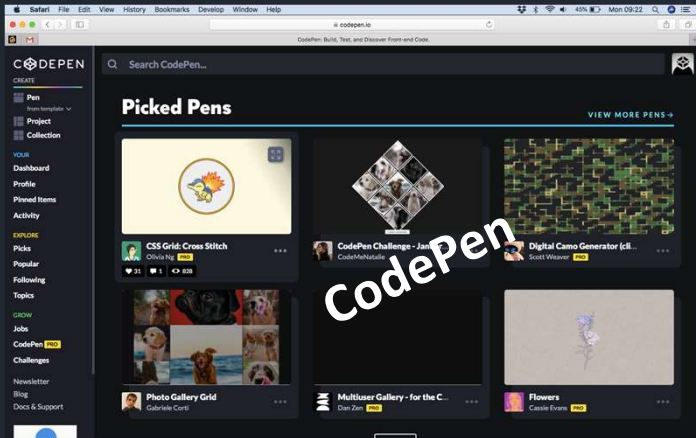
O que preciso???

A screenshot of the Notepad application window. The title bar reads "Notepad - [Untitled - Notepad]". The menu bar includes "File", "Edit", "Format", and "Help". The main text area is empty and white. The word "Notepad" is written diagonally across the center in a large, black, sans-serif font.

Notepad

A screenshot of the Visual Studio Code application interface. The title bar reads "Code - File Edit Selection View Go Debug Terminal Window Help". The interface includes a sidebar with "EXPLORER", "OPEN EDITORS", "UNTITLED (WORKSPACE)", and "OUTLINE". The main editor area is dark and contains the text "Visual Studio Code" written diagonally in a large, white, sans-serif font. A command palette is visible at the bottom with options like "Show All Commands", "Go to File", "Find in Files", "Start Debugging", and "Toggle Terminal".

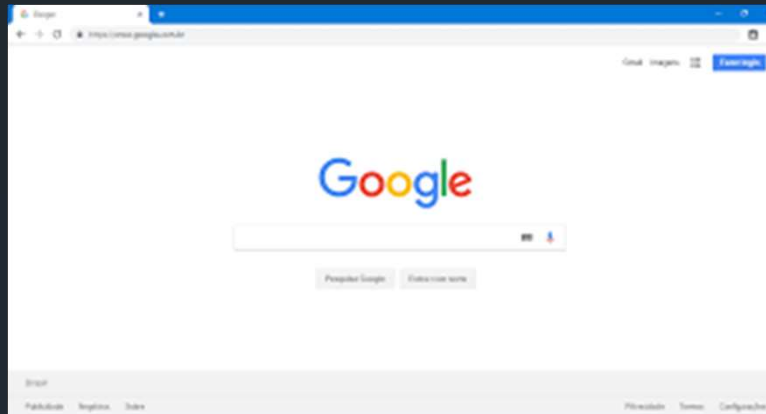
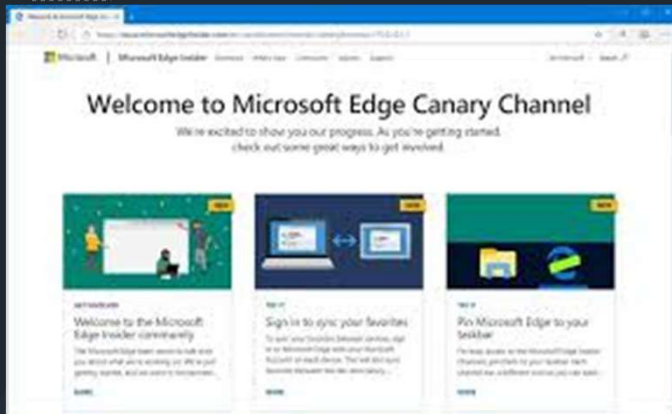
Visual Studio Code

A screenshot of the CodePen website in a Safari browser. The title bar reads "Safari - File Edit View History Bookmarks Develop Window Help". The address bar shows "codepen.io". The page features a "Picked Pens" section with various code snippets, including "CSS Grid: Cross Stitch", "CodePen Challenge - Jan", "Digital Camo Generator (c)", "Photo Gallery Grid", "Multiuser Gallery - for the C...", and "Flowers". The word "CodePen" is written diagonally across the center in a large, white, sans-serif font.

CodePen

Softwares básicos

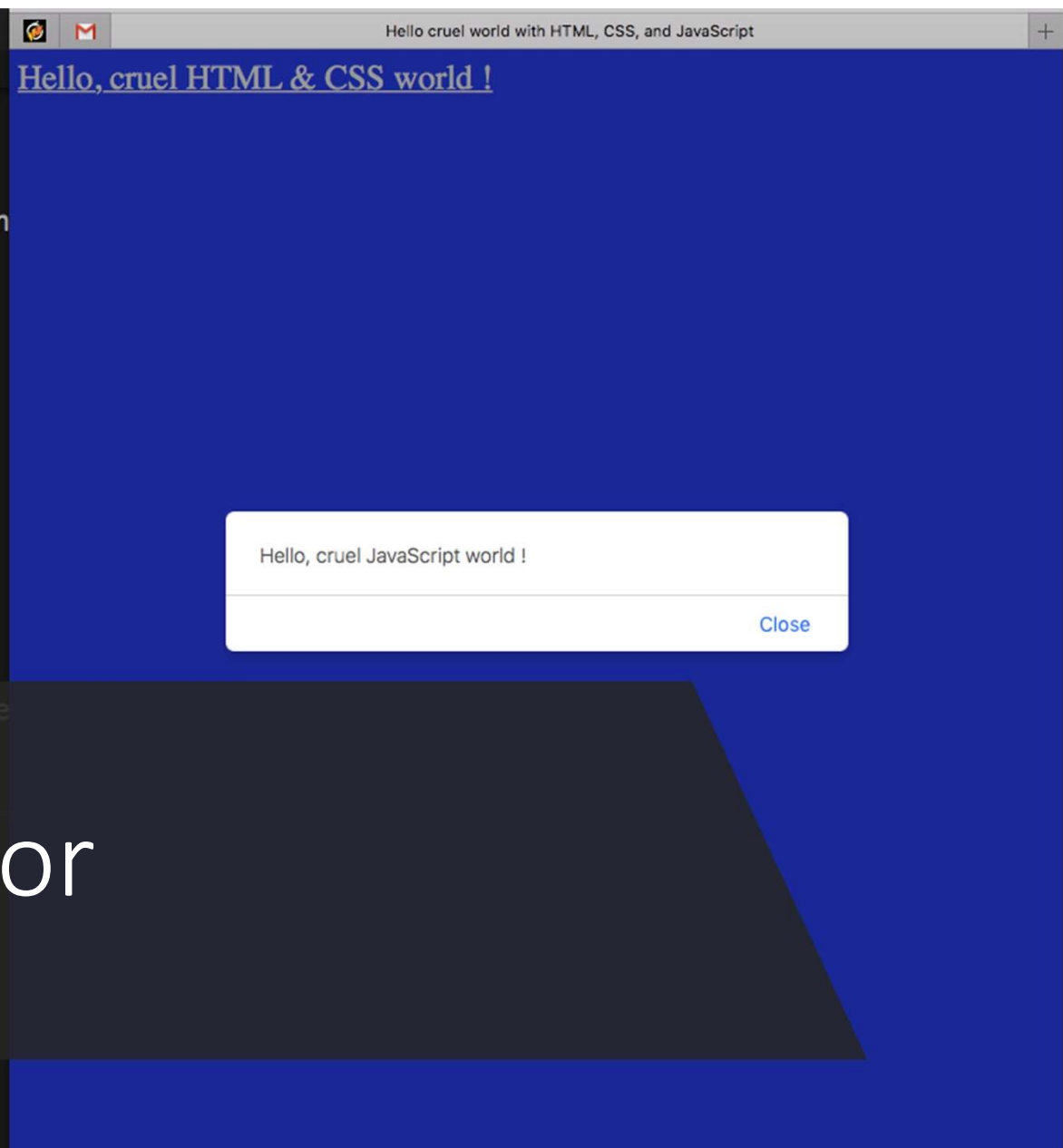
- Um editor de texto como Notepad, Notepad++ ou um editor de código como Visual Studio Code, Netbeans, entre outros;
- Você também pode usar um editor de texto online, como CodePen, JSBin ou <https://html-online.com/editor/> ;



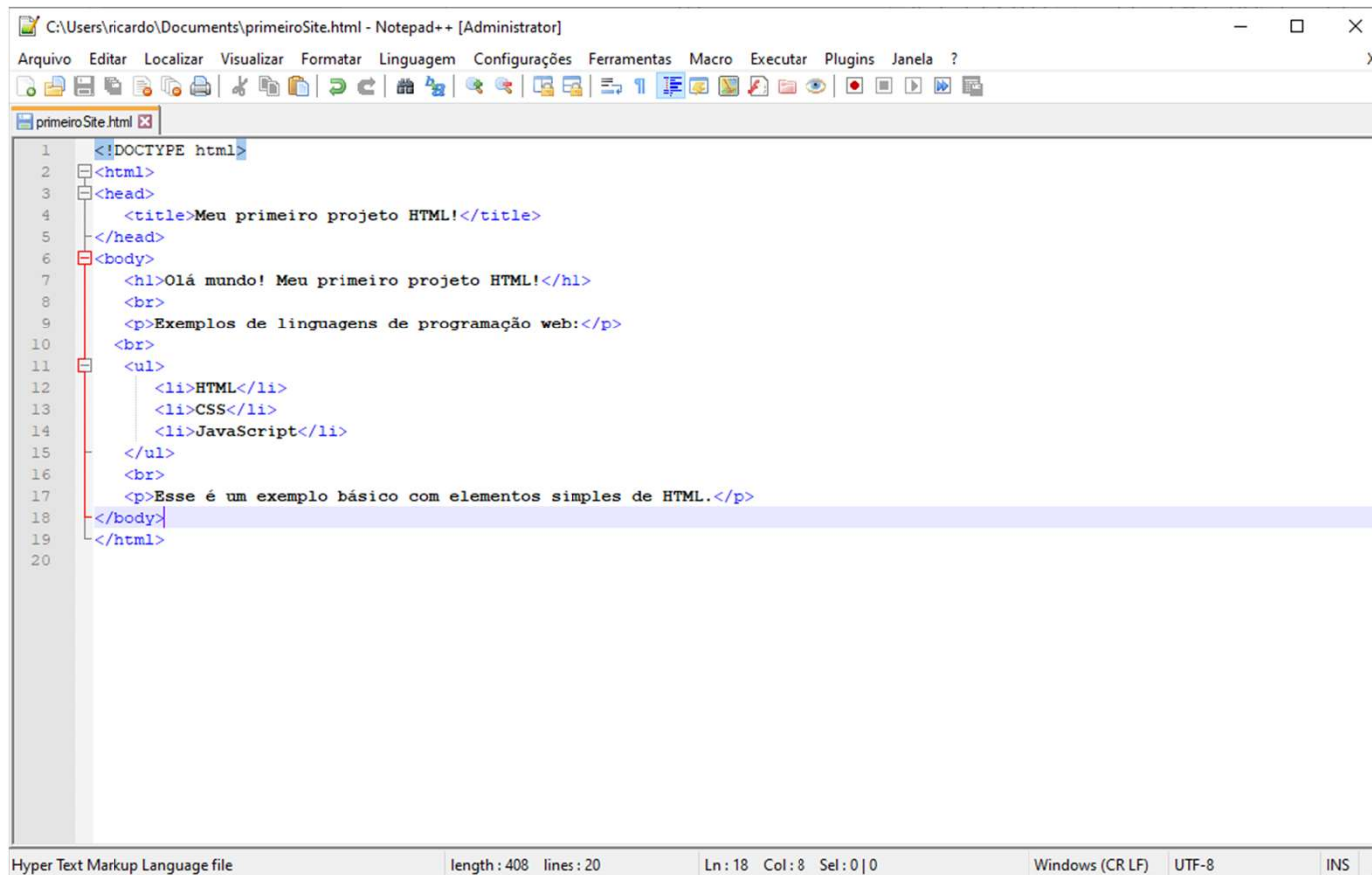
Softwares básicos

- Um navegador para executar e reinderizar o código HTML;
 - Google Chrome, Mozilla Firefox, Apple's Safari, Brave, Microsoft Edge ou similares;

```
hello-cruel-world.html x
Source_Code > hello-cruel-world.html > html > script > sayHello
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Hello cruel world with HTML, CSS, and
5   <style>
6     body {
7       background: blue;
8     }
9     a {
10      color: white;
11      font-size: 2em;
12    }
13  </style>
14 </head>
15 <body>
16   <a href="#" title="Click me" onclick="sayHello()>
17 </body>
18 <script>
19   function sayHello() {
20     alert('Hello, cruel JavaScript world !');
21   }
22 </script>
23 </html>
```



Código x Navegador



The image shows a Notepad++ window titled "C:\Users\ricardo\Documents\primeiroSite.html - Notepad++ [Administrator]". The menu bar includes "Arquivo", "Editar", "Localizar", "Visualizar", "Formatar", "Linguagem", "Configurações", "Ferramentas", "Macro", "Executar", "Plugins", "Janela", and "?". The toolbar contains various icons for file operations, editing, and viewing. The editor displays the following HTML code:

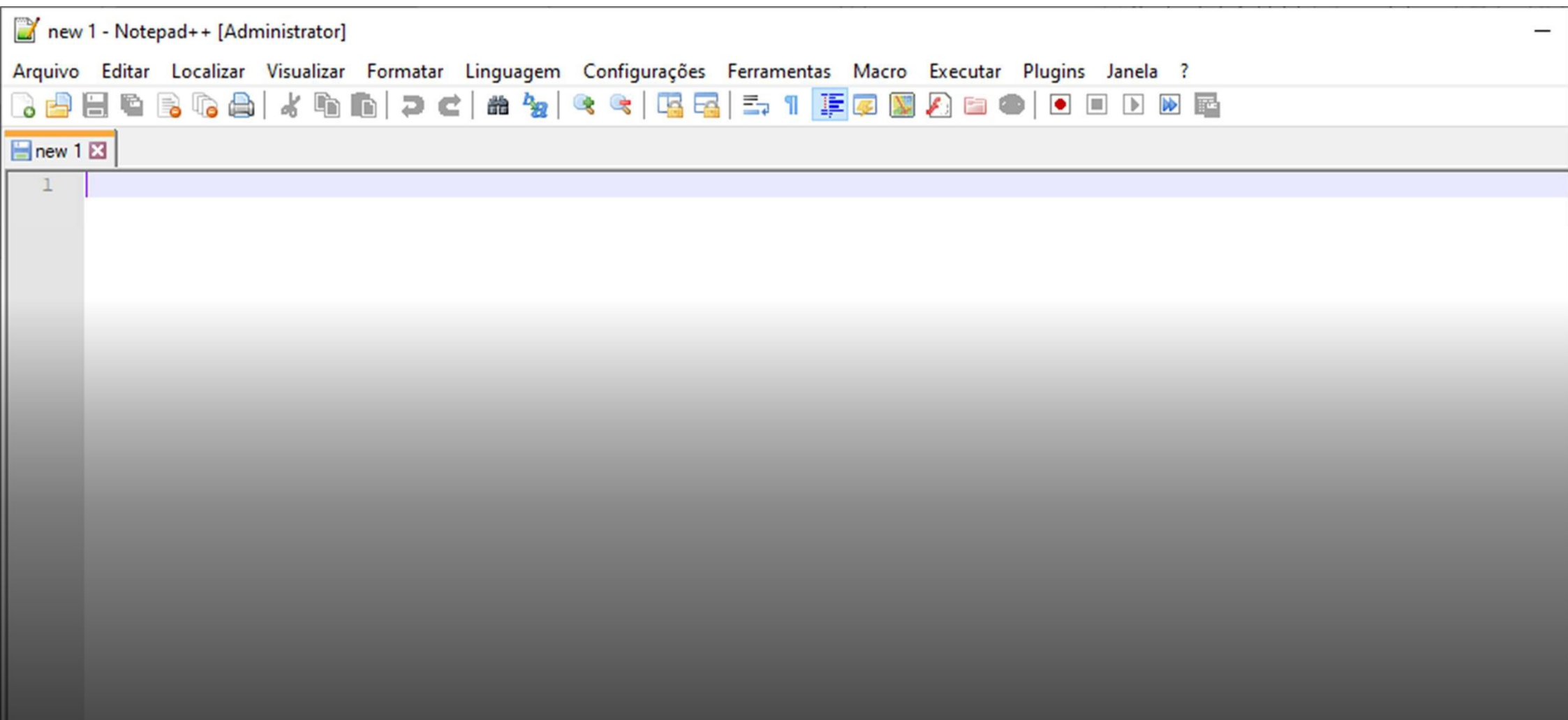
```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Meu primeiro projeto HTML!</title>
5 </head>
6 <body>
7   <h1>Olá mundo! Meu primeiro projeto HTML!</h1>
8   <br>
9   <p>Exemplos de linguagens de programação web:</p>
10  <br>
11  <ul>
12    <li>HTML</li>
13    <li>CSS</li>
14    <li>JavaScript</li>
15  </ul>
16  <br>
17  <p>Esse é um exemplo básico com elementos simples de HTML.</p>
18 </body>
19 </html>
20
```

The status bar at the bottom indicates: "Hyper Text Markup Language file", "length : 408 lines : 20", "Ln : 18 Col : 8 Sel : 0 | 0", "Windows (CR LF)", "UTF-8", "INS", and a small icon.

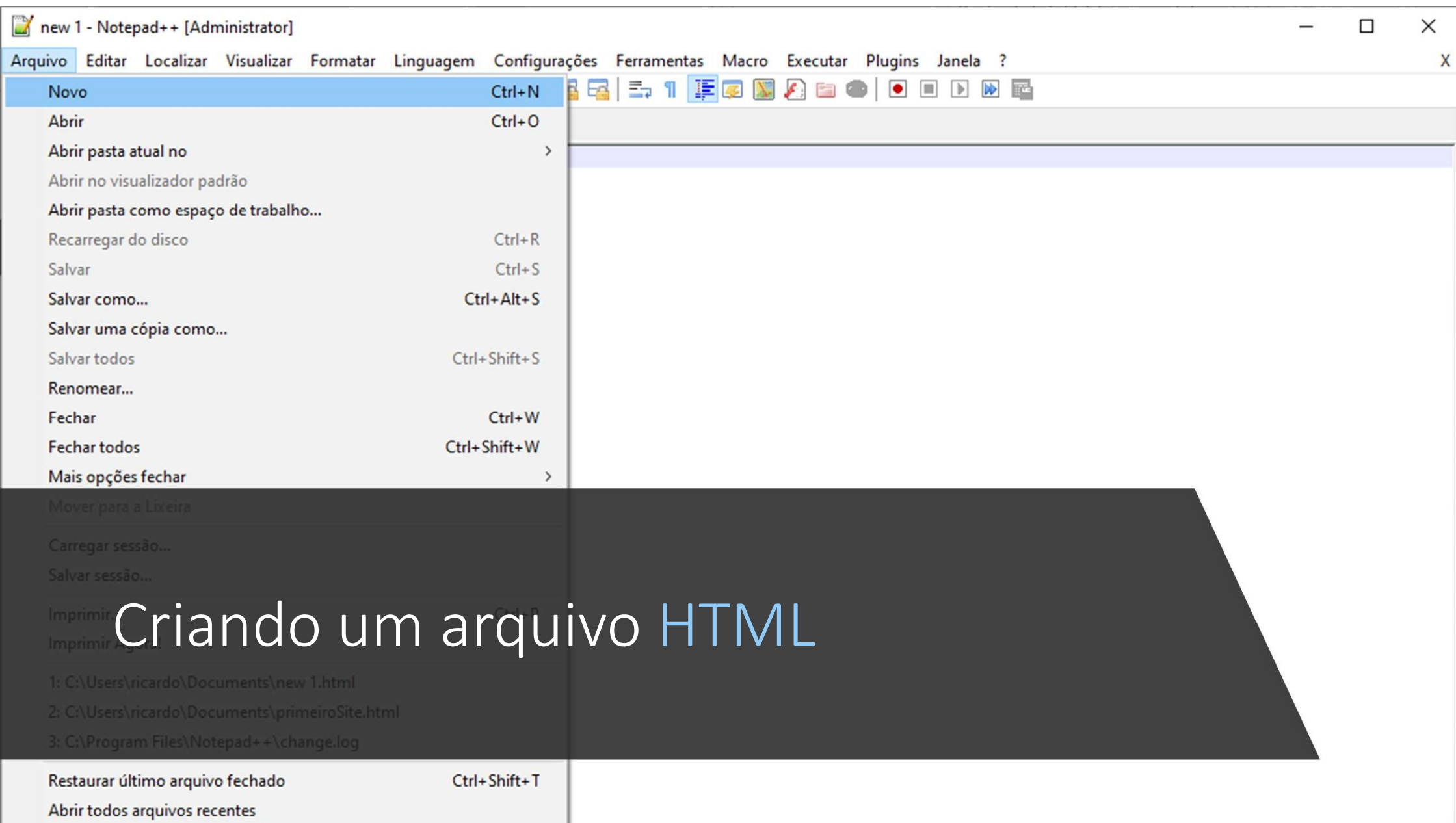
Editor de
Texto

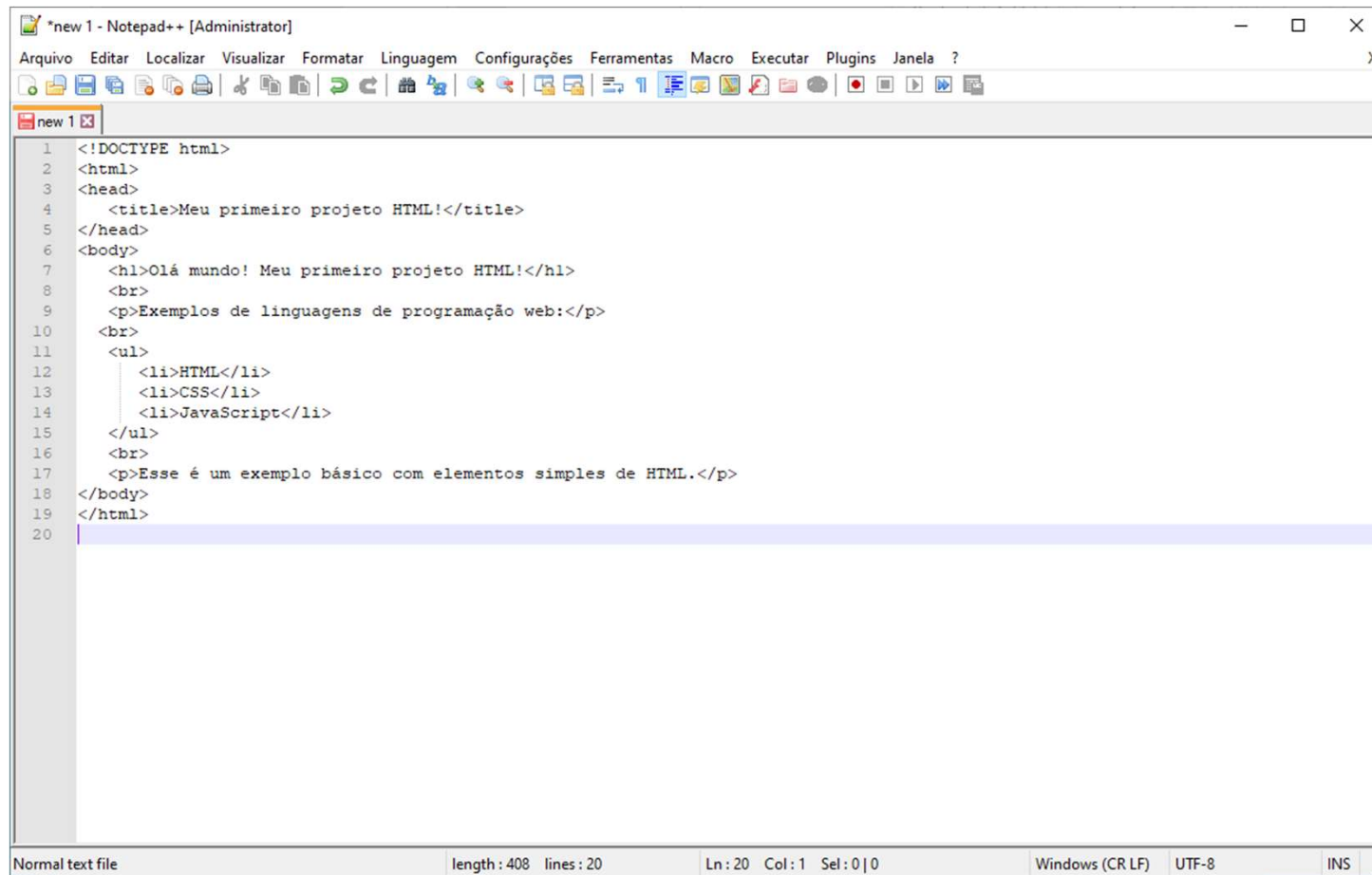
Exemplo: Notepad++ (MS
Windows)





Permite inserir informações em um arquivo texto;



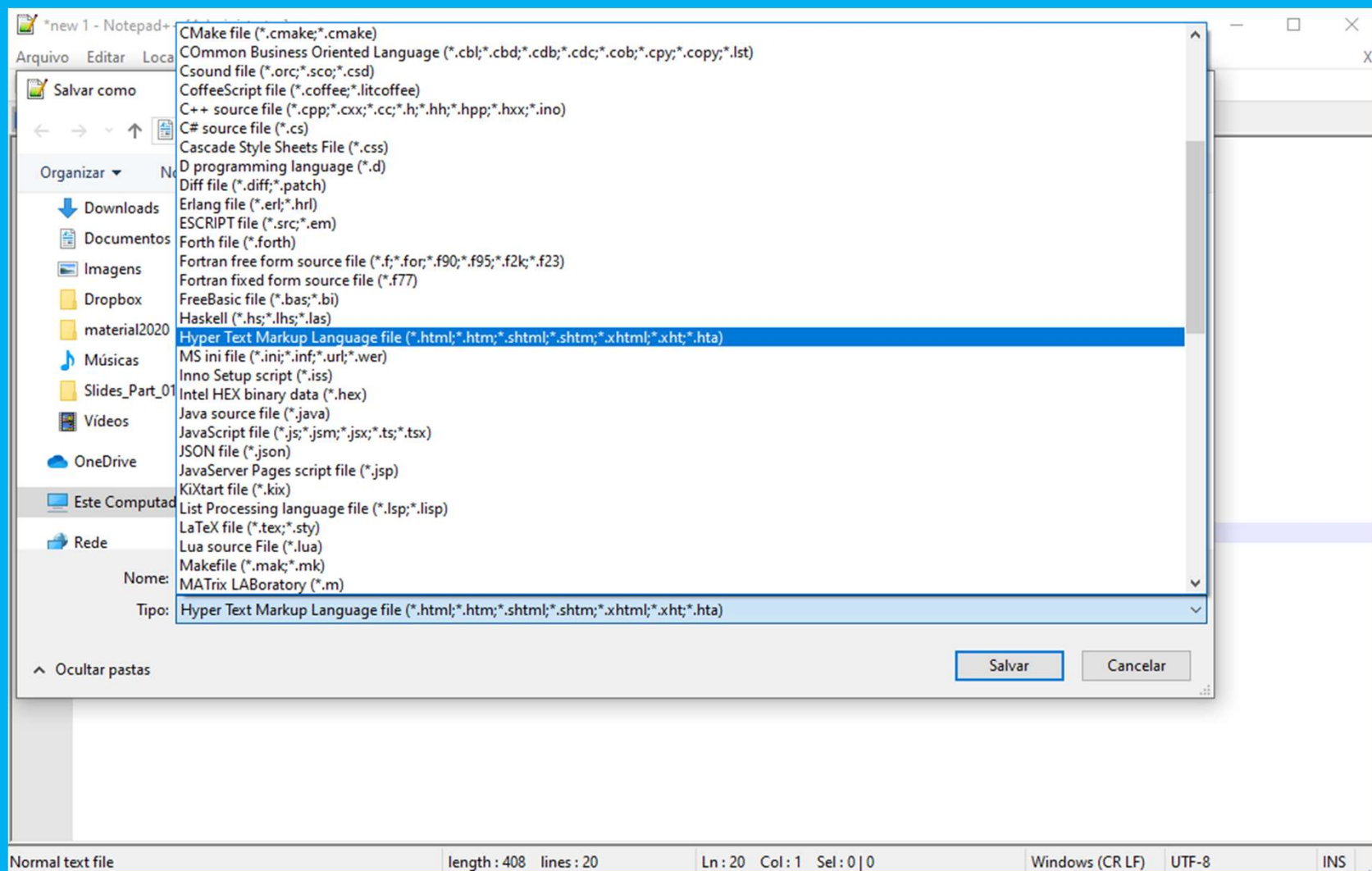


The image shows a Notepad++ window titled '*new 1 - Notepad++ [Administrator]'. The menu bar includes Arquivo, Editar, Localizar, Visualizar, Formatar, Linguagem, Configurações, Ferramentas, Macro, Executar, Plugins, Janela, and ?. The toolbar contains various icons for file operations and editing. The text area displays an HTML document with the following code:

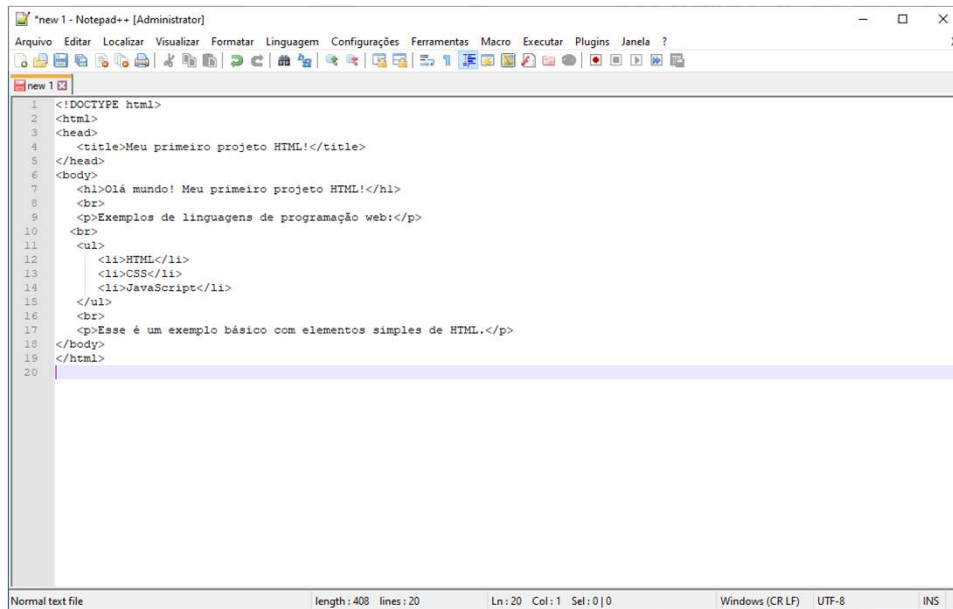
```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Meu primeiro projeto HTML!</title>
5 </head>
6 <body>
7   <h1>Olá mundo! Meu primeiro projeto HTML!</h1>
8   <br>
9   <p>Exemplos de linguagens de programação web:</p>
10  <br>
11  <ul>
12    <li>HTML</li>
13    <li>CSS</li>
14    <li>JavaScript</li>
15  </ul>
16  <br>
17  <p>Esse é um exemplo básico com elementos simples de HTML.</p>
18 </body>
19 </html>
20
```

The status bar at the bottom indicates 'Normal text file', 'length: 408 lines: 20', 'Ln: 20 Col: 1 Sel: 0|0', 'Windows (CR LF)', 'UTF-8', and 'INS'.

O editor não reconhece a linguagem utilizada automaticamente;

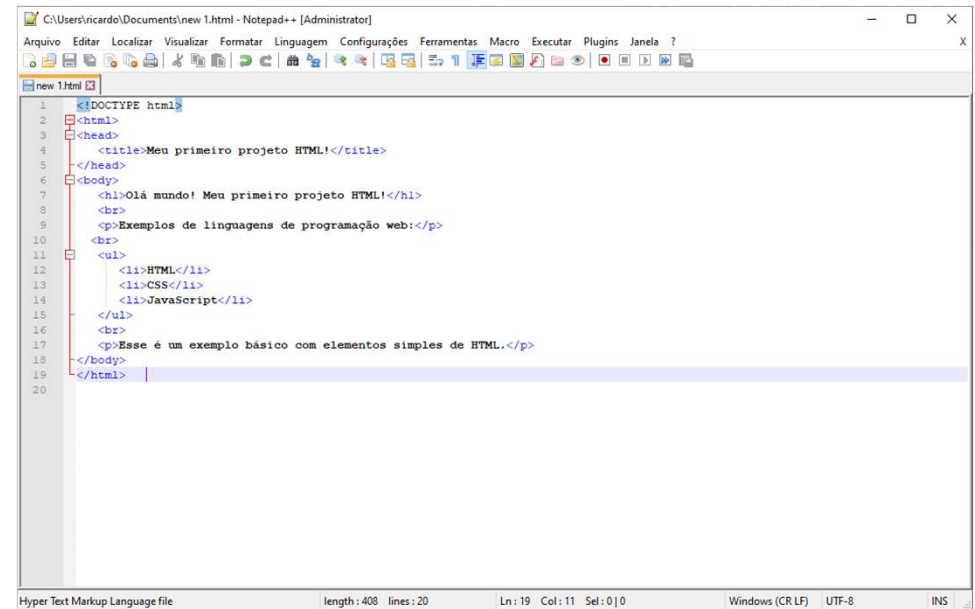


Salvando o arquivo no formato HTML;



```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Meu primeiro projeto HTML!</title>
5 </head>
6 <body>
7   <h1>Olá mundo! Meu primeiro projeto HTML!</h1>
8   <br>
9   <p>Exemplos de linguagens de programação web:</p>
10  <br>
11   <ul>
12     <li>HTML</li>
13     <li>CSS</li>
14     <li>JavaScript</li>
15   </ul>
16   <br>
17   <p>Esse é um exemplo básico com elementos simples de HTML.</p>
18 </body>
19 </html>
20
```

Normal text file length: 408 lines: 20 Ln: 20 Col: 1 Sel: 0 | 0 Windows (CR LF) UTF-8 INS

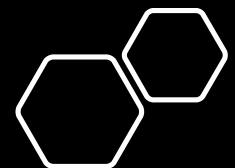


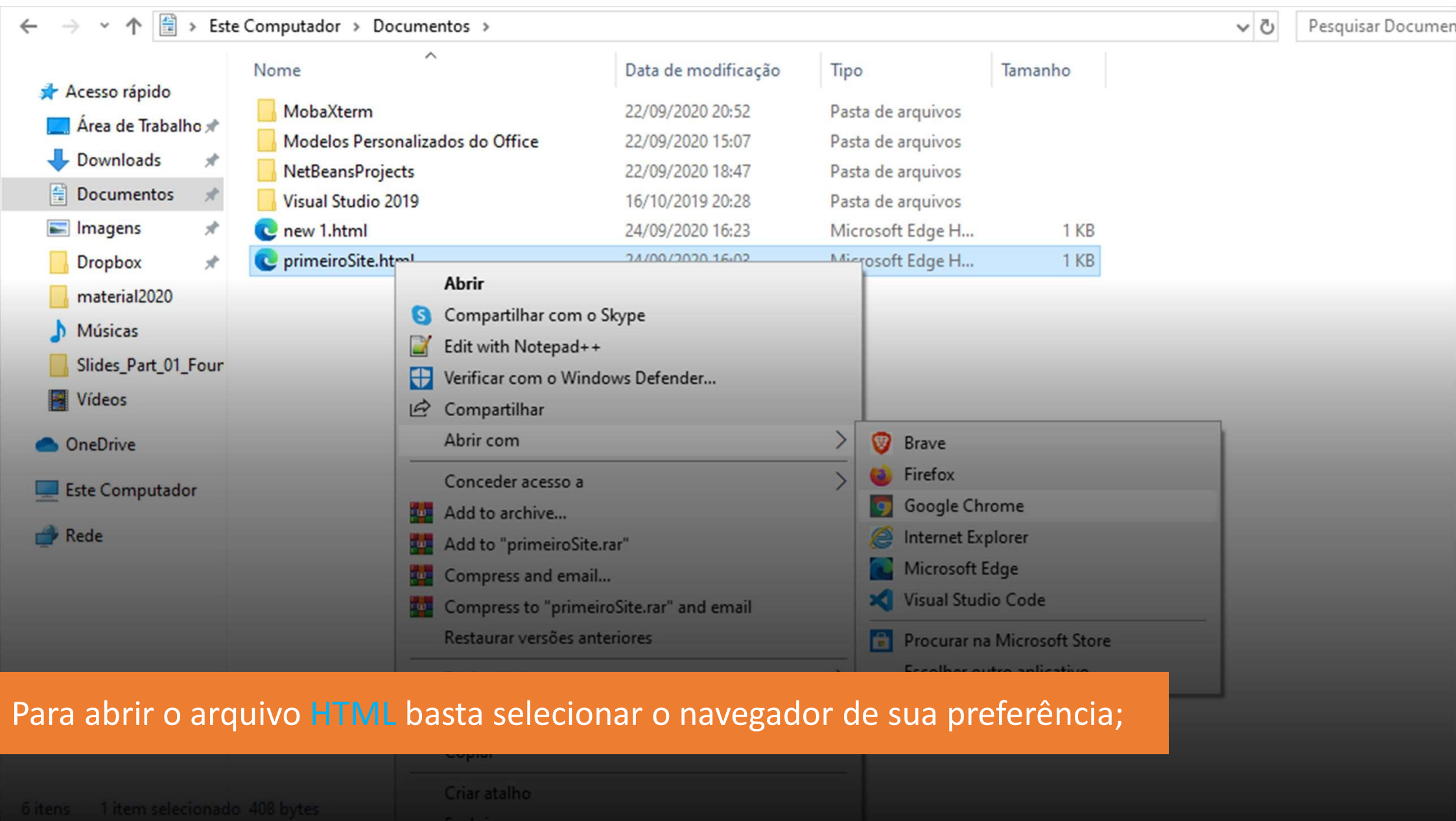
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1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>Meu primeiro projeto HTML!</title>
5 </head>
6 <body>
7   <h1>Olá mundo! Meu primeiro projeto HTML!</h1>
8   <br>
9   <p>Exemplos de linguagens de programação web:</p>
10  <br>
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12     <li>HTML</li>
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15   </ul>
16   <br>
17   <p>Esse é um exemplo básico com elementos simples de HTML.</p>
18 </body>
19 </html>
20
```

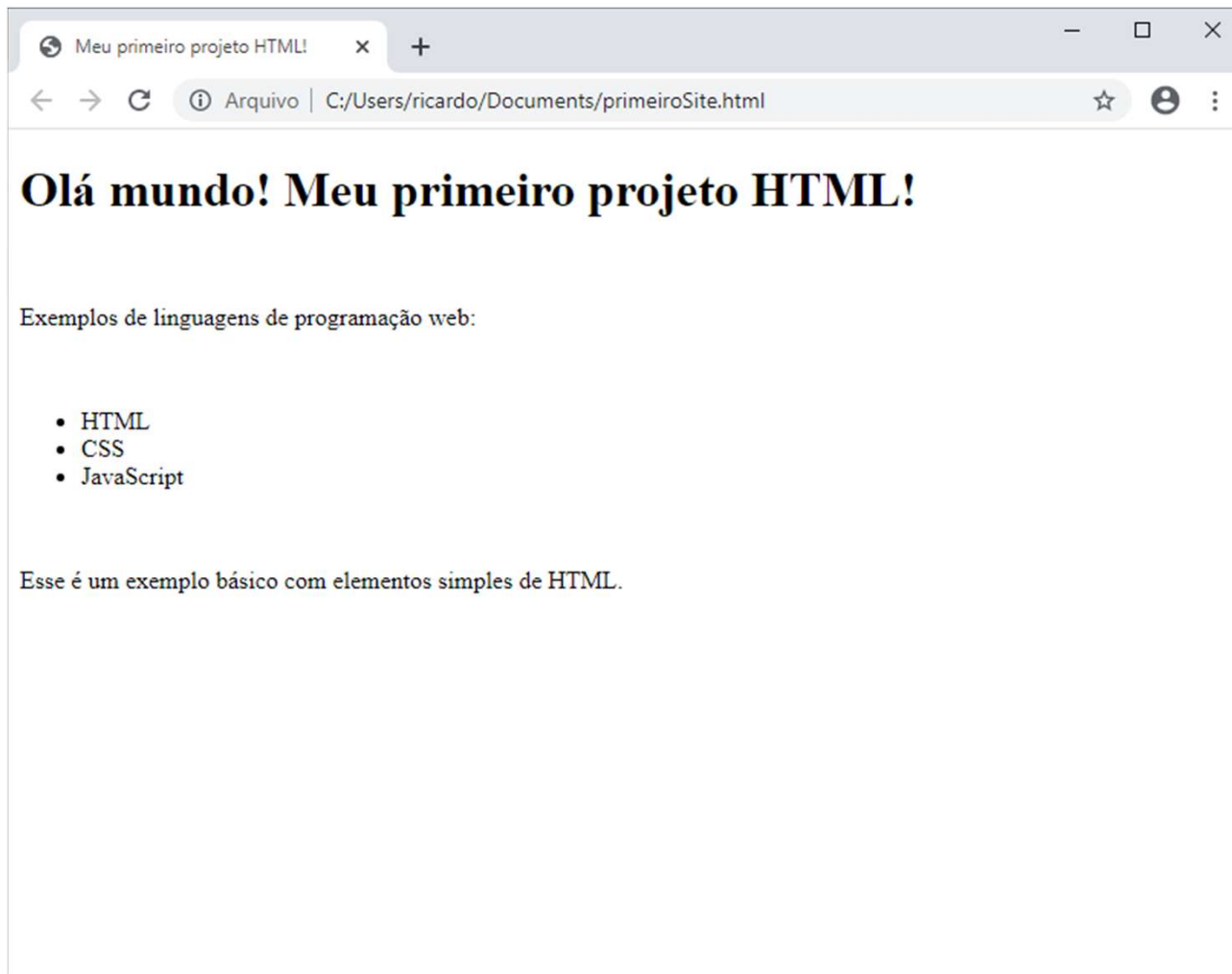
Hyper Text Markup Language file length: 408 lines: 20 Ln: 19 Col: 11 Sel: 0 | 0 Windows (CR LF) UTF-8 INS

Comparação

- Código sem extensão **HTML**;
- x
- Código com extensão **HTML**;



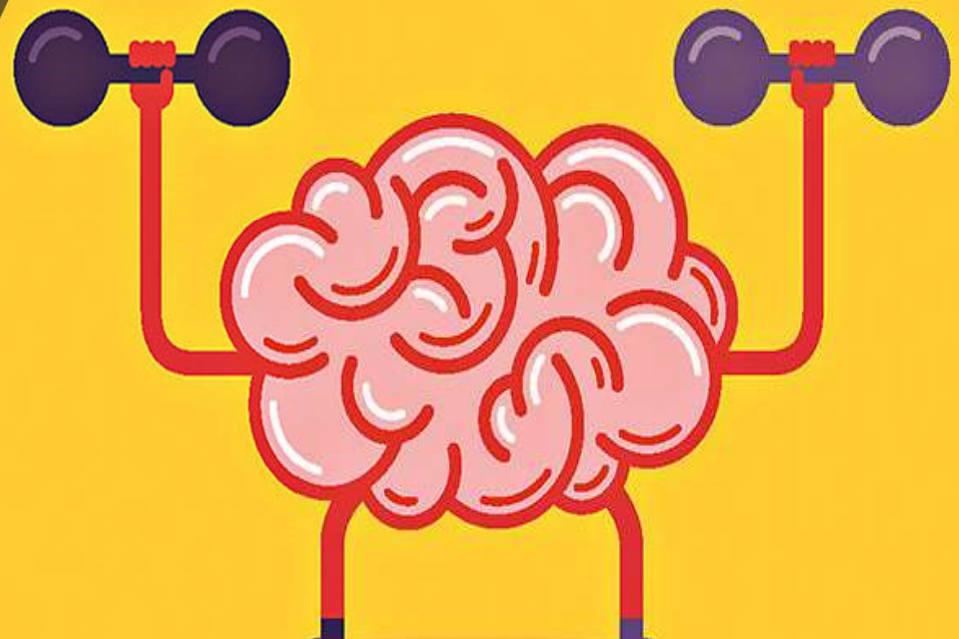




Reindexação do
Código HTML no
navegador Google
Chrome;

Exercícios

- Escreva o código **HTML** do exemplo anterior usando um editor de texto de sua preferência.
- Não se esqueça de usar um editor de texto simples que permita salvar os arquivos no formato txt/html bruto.
- Para usuários do **Microsoft Windows**:
 - Use notepad ou notepad++;
- Para usuários **GNU / Linux**:
 - Gedit, Nano, etc;





Exercícios

- Teste seu arquivo abrindo o documento da web no Windows Explorer ou um aplicativo de sistema de arquivos para GNU/Linux;
- Clique duas vezes no arquivo ou
- Clique com o botão direito no arquivo e selecione abrir com ...