

A yellow square with the letters 'JS' in black.

Linguagem de Programação



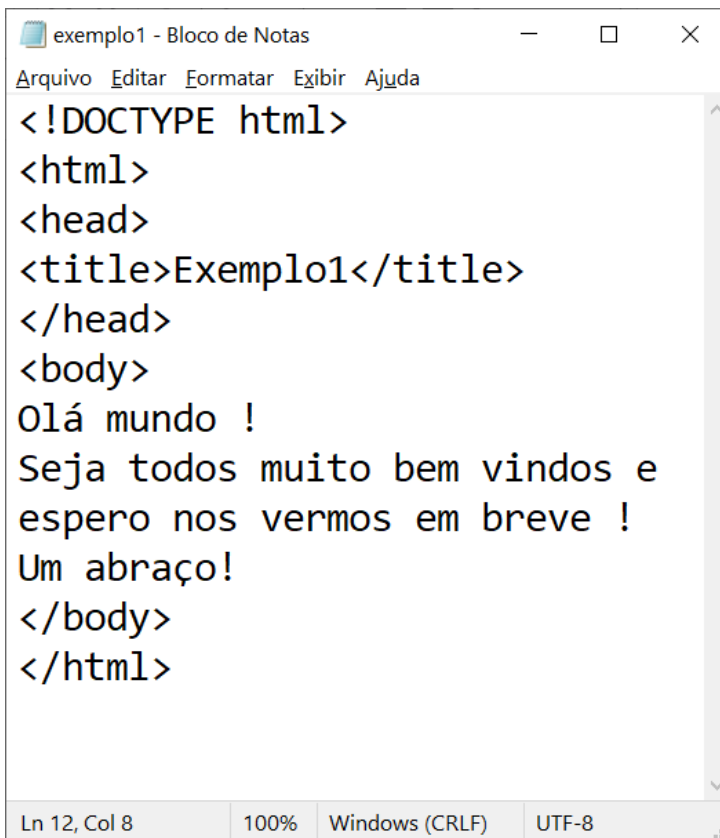
Prof. Renato Carioca Duarte

Unidade 0

Visual Studio Code

Editores de Texto

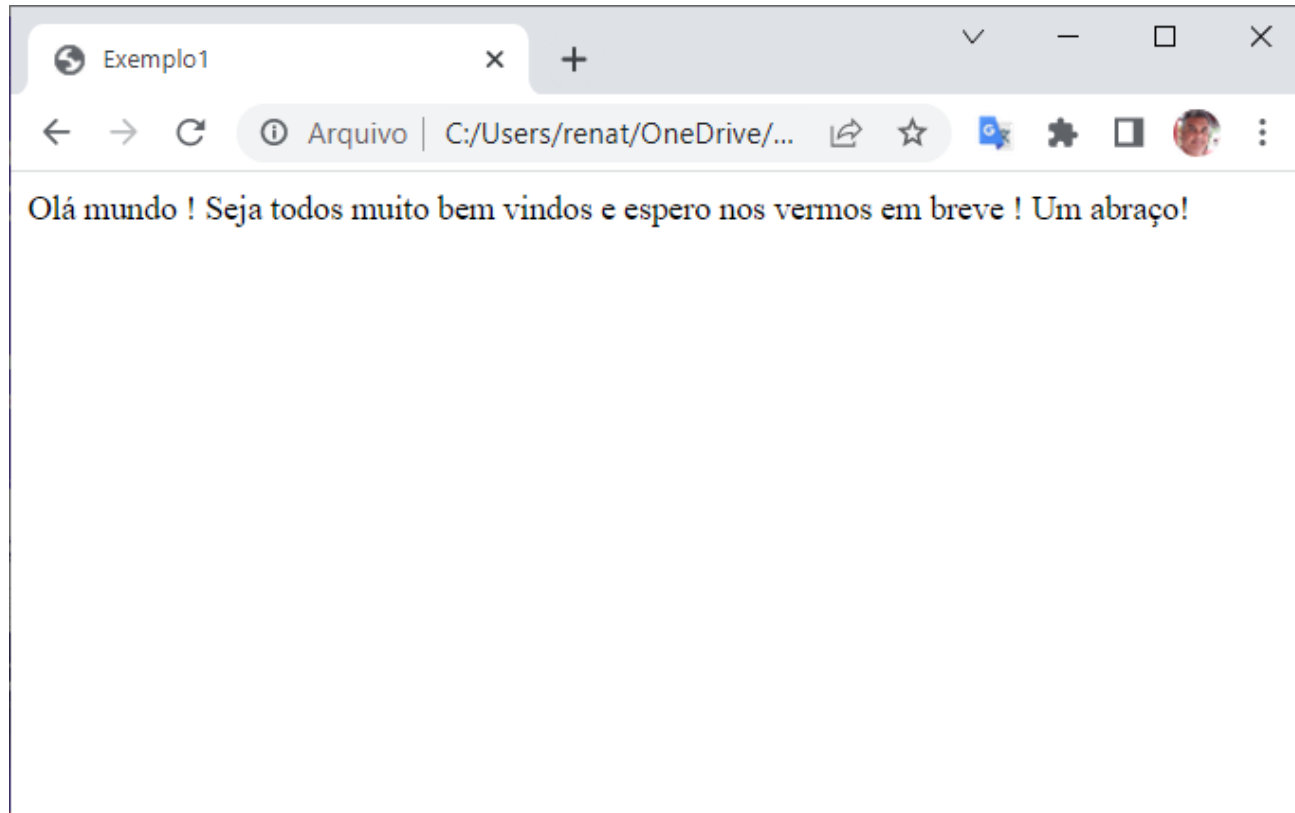
- Documentos HTML são **arquivos** que terminam com uma extensão **.html** ou **.htm**
- Antes de explicar a linguagem HTML, vamos ver essa página (arquivo html):



```
exemplo1 - Bloco de Notas
Arquivo  Editar  Formatar  Exibir  Ajuda
<!DOCTYPE html>
<html>
<head>
<title>Exemplo1</title>
</head>
<body>
Olá mundo !
Seja todos muito bem vindos e
espero nos vermos em breve !
Um abraço!
</body>
</html>
Ln 12, Col 8    100%    Windows (CRLF)    UTF-8
```

Editores de Texto

Abrindo o arquivo exemplo1.html no Chrome usando comando Ctrl-O:



Editores de Texto

⊕ Eram 4 linhas no Notepad que se tornaram 1 única linha no Chrome!!

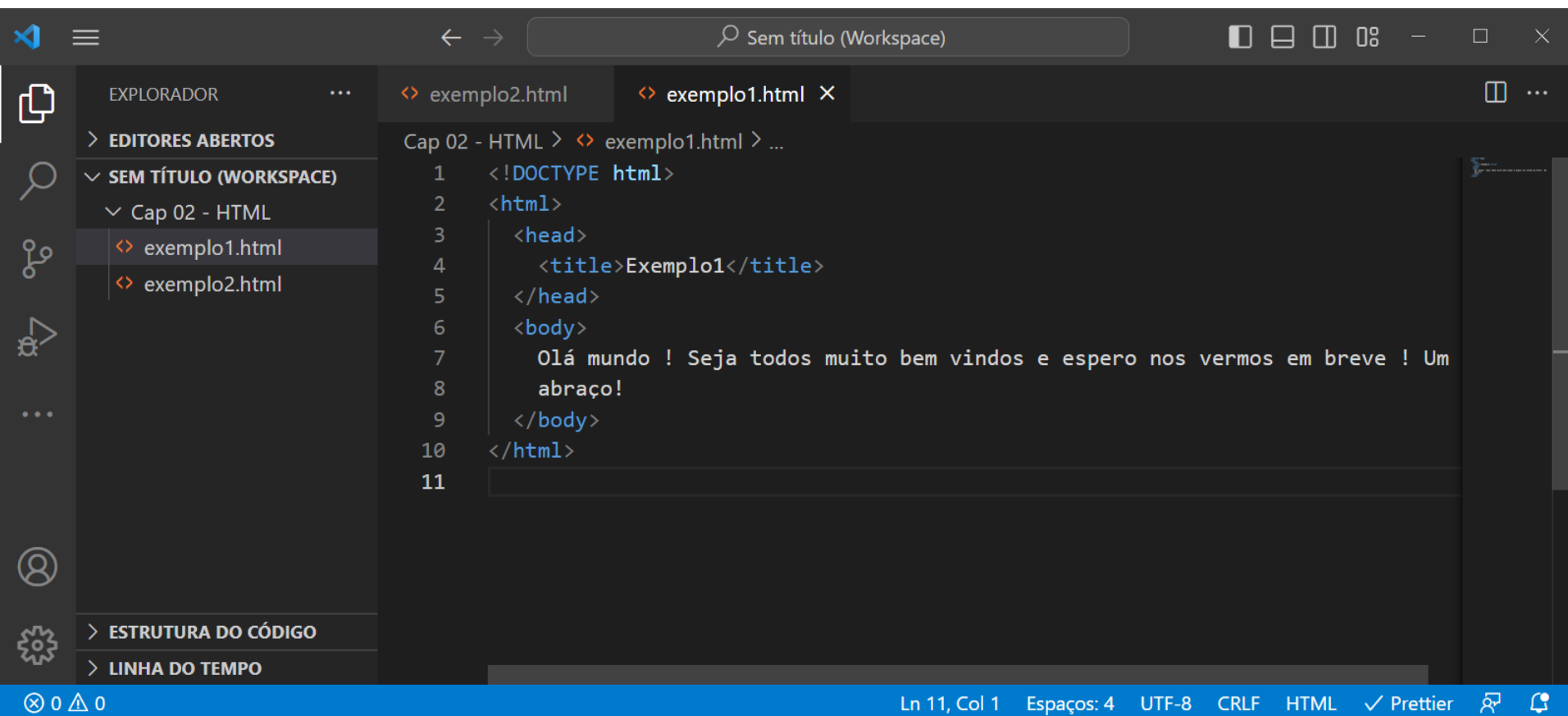
POR QUE ??

Editores de Código

- ⊕ Por que a única forma de formatar uma página é usando os **elementos do HTML** e não do texto.
- ⊕ Porém alguns editores de texto foram criados para **ajudar o programador** a **visualizar** melhor o documento que está sendo escrito, considerando as regras da HTML.
- ⊕ São os **Editores de Código**.

Editores de Código

✚ No Visual Studio Code o arquivo ficaria desse jeito:



The screenshot shows the Visual Studio Code interface with a dark theme. The Explorer sidebar on the left shows a workspace named 'SEM TÍTULO (WORKSPACE)' containing a folder 'Cap 02 - HTML' with two files: 'exemplo1.html' and 'exemplo2.html'. The main editor area has two tabs open: 'exemplo2.html' and 'exemplo1.html'. The 'exemplo1.html' tab is active, displaying the following HTML code:

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>Exemplo1</title>
5   </head>
6   <body>
7     Olá mundo ! Seja todos muito bem vindos e espero nos vermos em breve ! Um
8     abraço!
9   </body>
10 </html>
11
```

The status bar at the bottom indicates the current position is 'Ln 11, Col 1', with 4 spaces, UTF-8 encoding, CRLF line endings, and HTML language mode. The Prettier extension is also active.

- ⊕ O Visual Studio Code é um editor de código-fonte desenvolvido pela Microsoft para Windows, Linux e macOS.
- ⊕ Ele inclui suporte para depuração, controle de versionamento Git incorporado, realce de sintaxe, complementação inteligente de código, snippets e refatoração de código.
- ⊕ Ele é customizável, permitindo que os usuários possam mudar o tema do editor, teclas de atalho e preferências.
- ⊕ Ele é um software livre e de código aberto.

JS

DOWNLOAD VSC

Visual Studio Code - Code Editing

code.visualstudio.com

Visual Studio Code Docs Updates Blog API Extensions FAQ Learn

Search Docs Download

Code editing. Redefined.

Free. Built on open source. Runs everywhere.

Download for Windows Stable Build

| | | Stable | Insiders |
|-------------|----------------|--------|----------|
| macOS | Universal | ↓ | ↓ |
| Windows x64 | User Installer | ↓ | ↓ |
| Linux x64 | .deb .rpm | ↓ ↓ | ↓ ↓ |

Other downloads or open on web

EXTENSIONS: MARKETPLACE

- @sortinstalls
- Python 2019.6.24221 54.9M ★ 4.5
Linting, Debugging (multi-threaded, ...
Microsoft Install
- GitLens — Git sup... 9.8.5 23.1M ★ 5
Supercharge the Git capabilities built...
Eric Amodio Install
- C/C++ 0.24.0 23M ★ 3.5
C/C++ IntelliSense, debugging, and ...
Microsoft Install
- ESLint 1.9.0 21.9M ★ 4.5
Integrates ESLint JavaScript into VS ...
Dirk Baeumer Install
- Debugger for Ch... 4.11.6 20.6M ★ 4
Debug your JavaScript code in the C...
Microsoft Install
- Language Supp... 0.47.0 18.7M ★ 4.5
Java Linting, Intellisense, formatting, ...
Red Hat Install
- vscode-icons 8.8.0 17.2M ★ 5
Icons for Visual Studio Code
VSCo Icons Team Install
- Vetur 0.21.1 17M ★ 4.5
Vue tooling for VS Code
Pine Wu Install
- C# 1.21.0 15.6M ★ 4
C# for Visual Studio Code (powered ...
Microsoft Install

JS App.js JS index.js JS serviceWorker.js

```
src > JS serviceWorker.js > register > window.addEventListener("load") callback
39
40
41 checkValidServiceWorker(swUrl, config);
42
43 // Add some additional logging to localhost, p...
44 // service worker/PWA documentation.
45 navigator.serviceWorker.ready.then(() => {
46
47   product
48   productSub
49   removeSiteSpecificTrackingException
50   removeWebWideTrackingException
51   requestMediaKeySystemAccess
52   sendBeacon
53   serviceWorker (property) Navigator.serviceWorke...
54   storage
55   storeSiteSpecificTrackingException
56   storeWebWideTrackingException
57   userAgent
58   vendor
59
60 function registerValidSW(swUrl, config) {
61   navigator.serviceWorker
62     .register(swUrl)
63     .then(registration => {
```

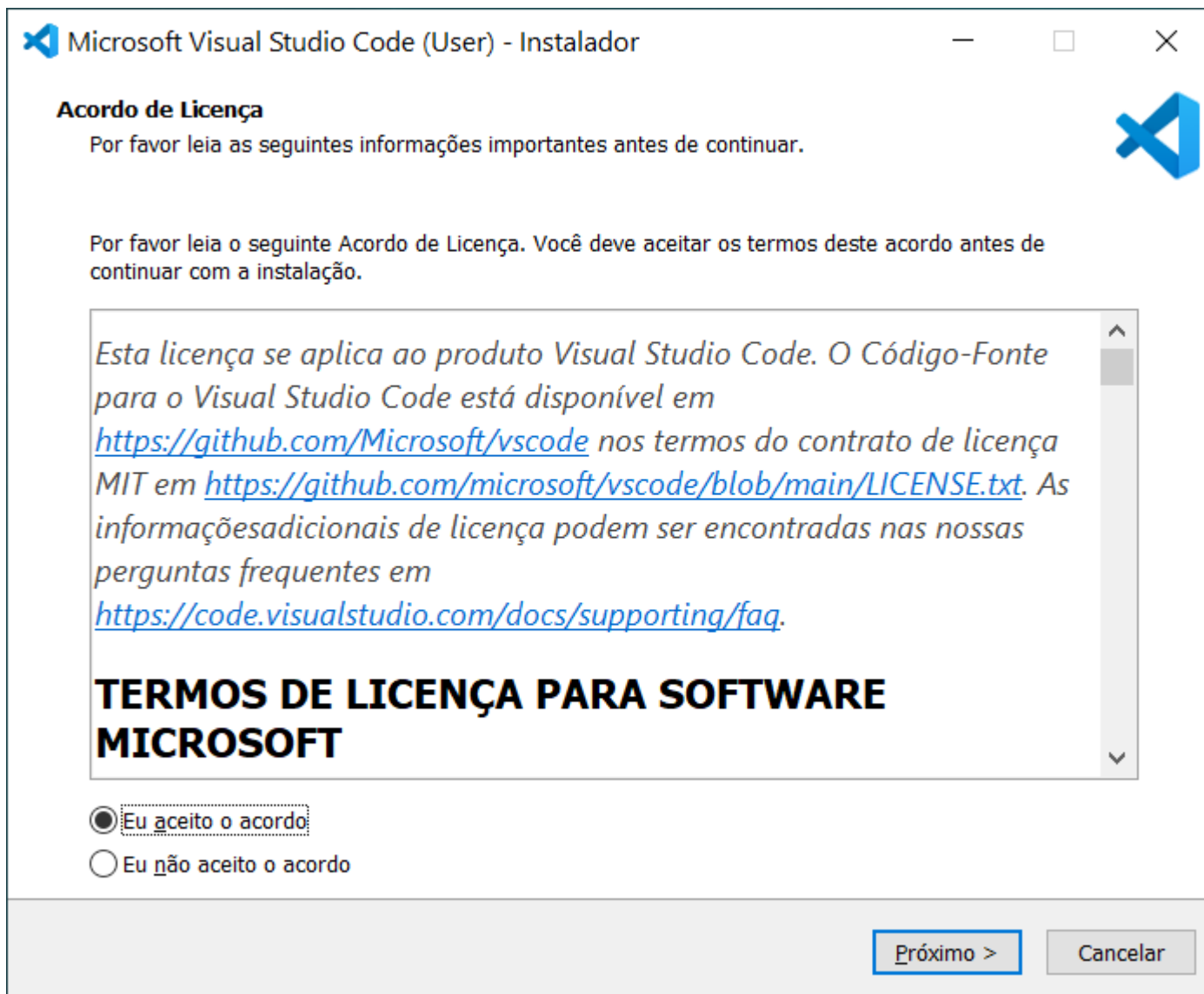
TERMINAL 1: node

You can now view create-react-app in the browser.

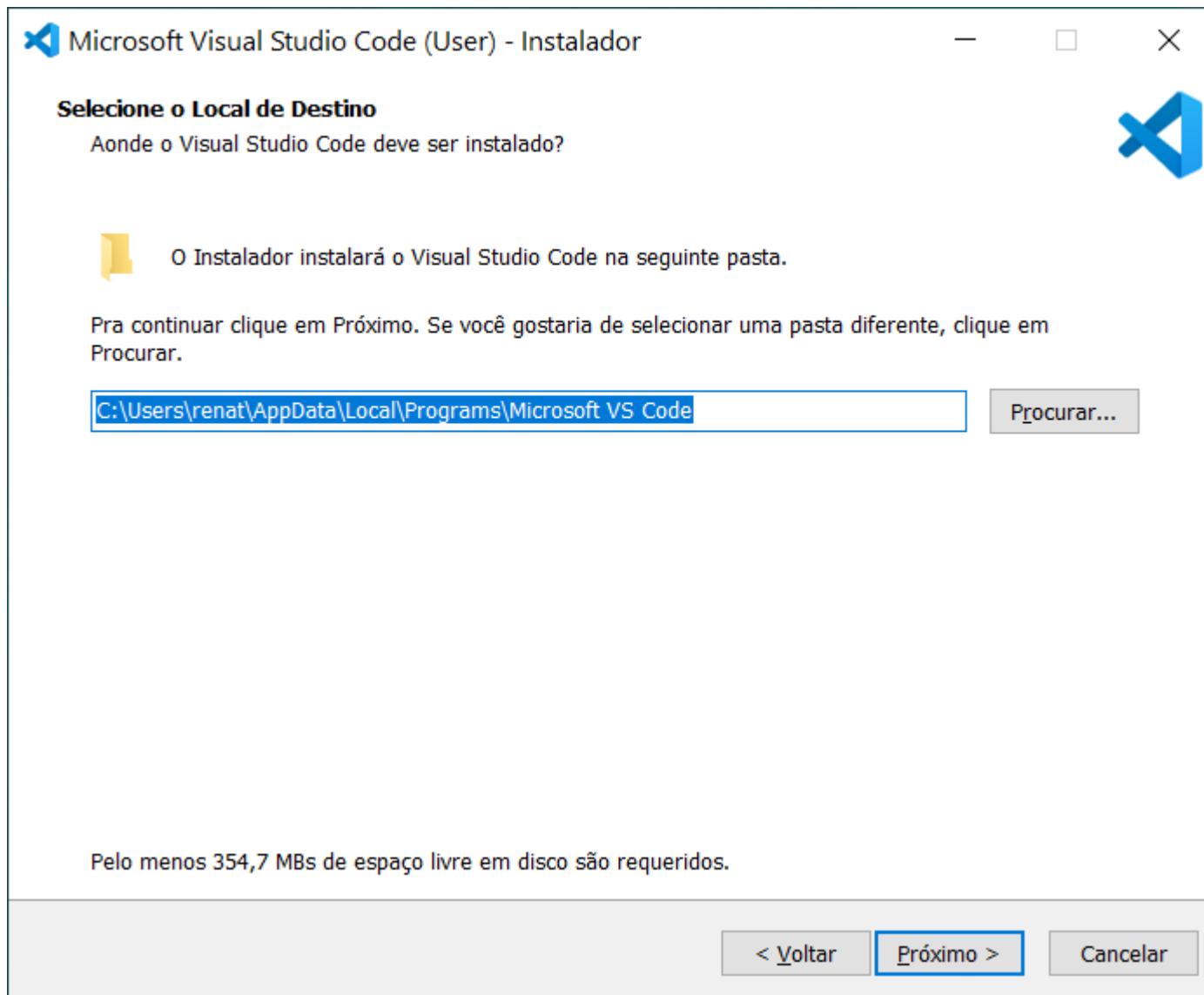
Local: http://localhost:3000/
On Your Network: http://10.211.55.3:3000/

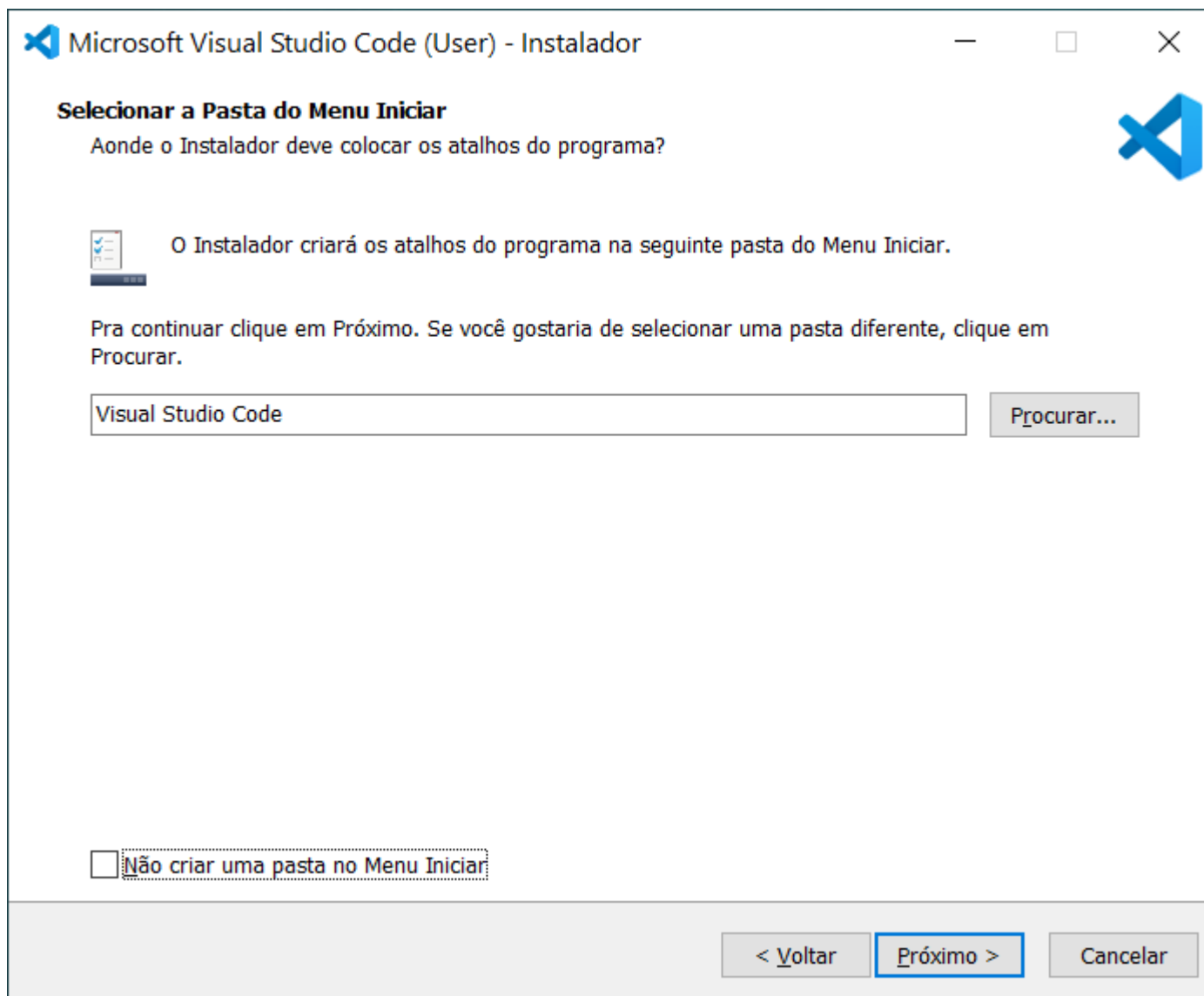
Note that the development build is not optimized.

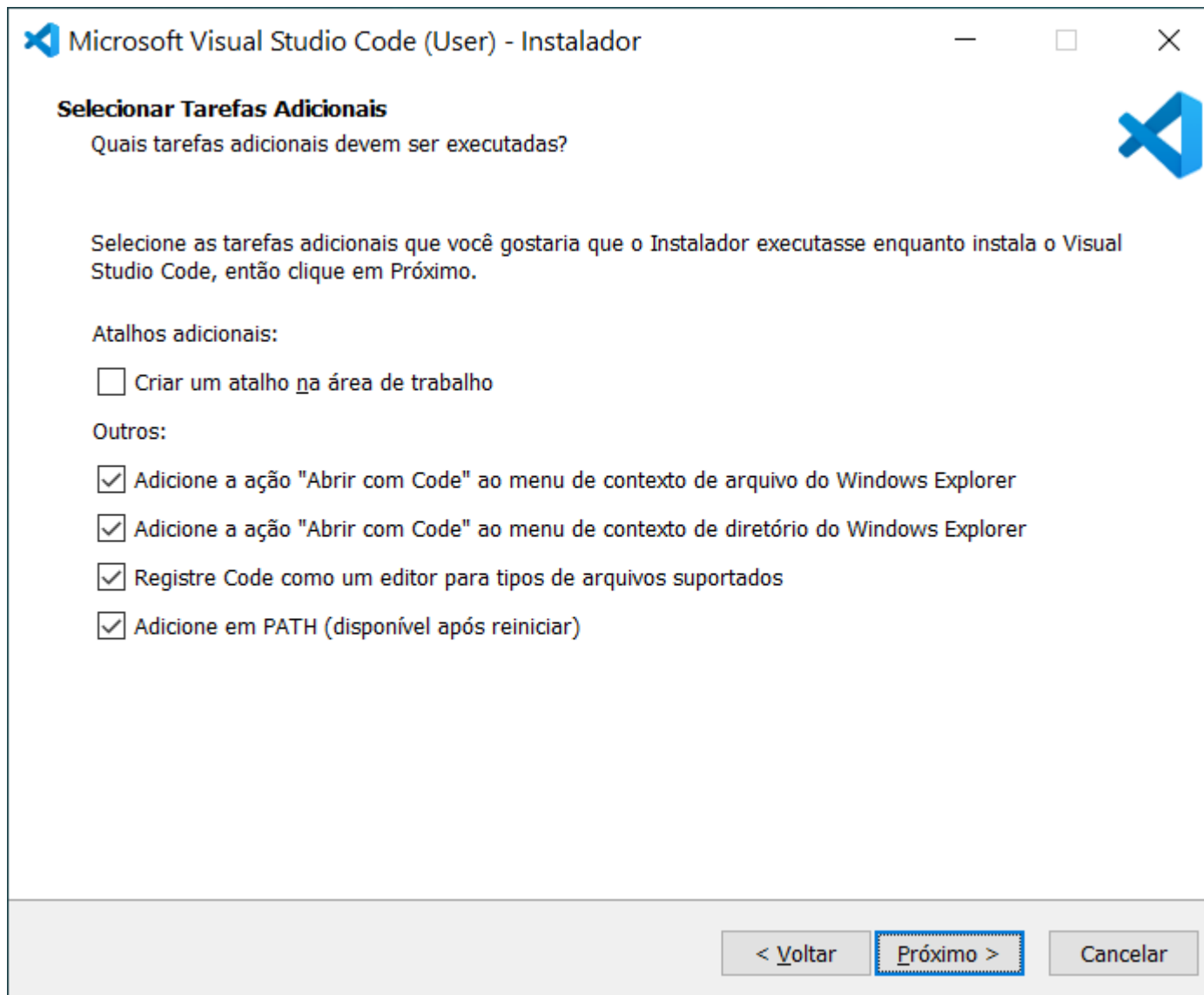
Ln 43, Col 19 Spaces: 2 UTF-8 LF JavaScript



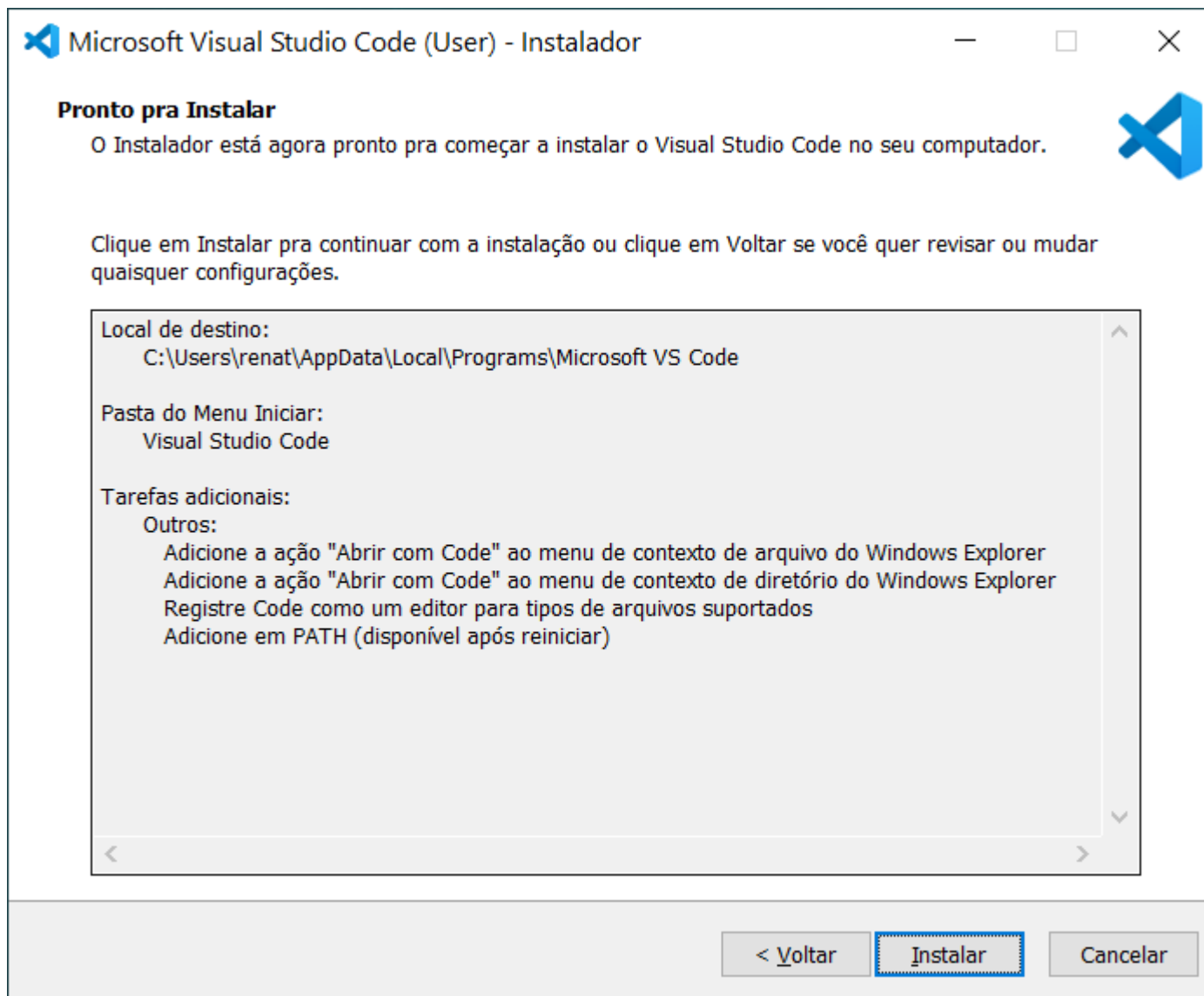
INSTALAÇÃO VSC

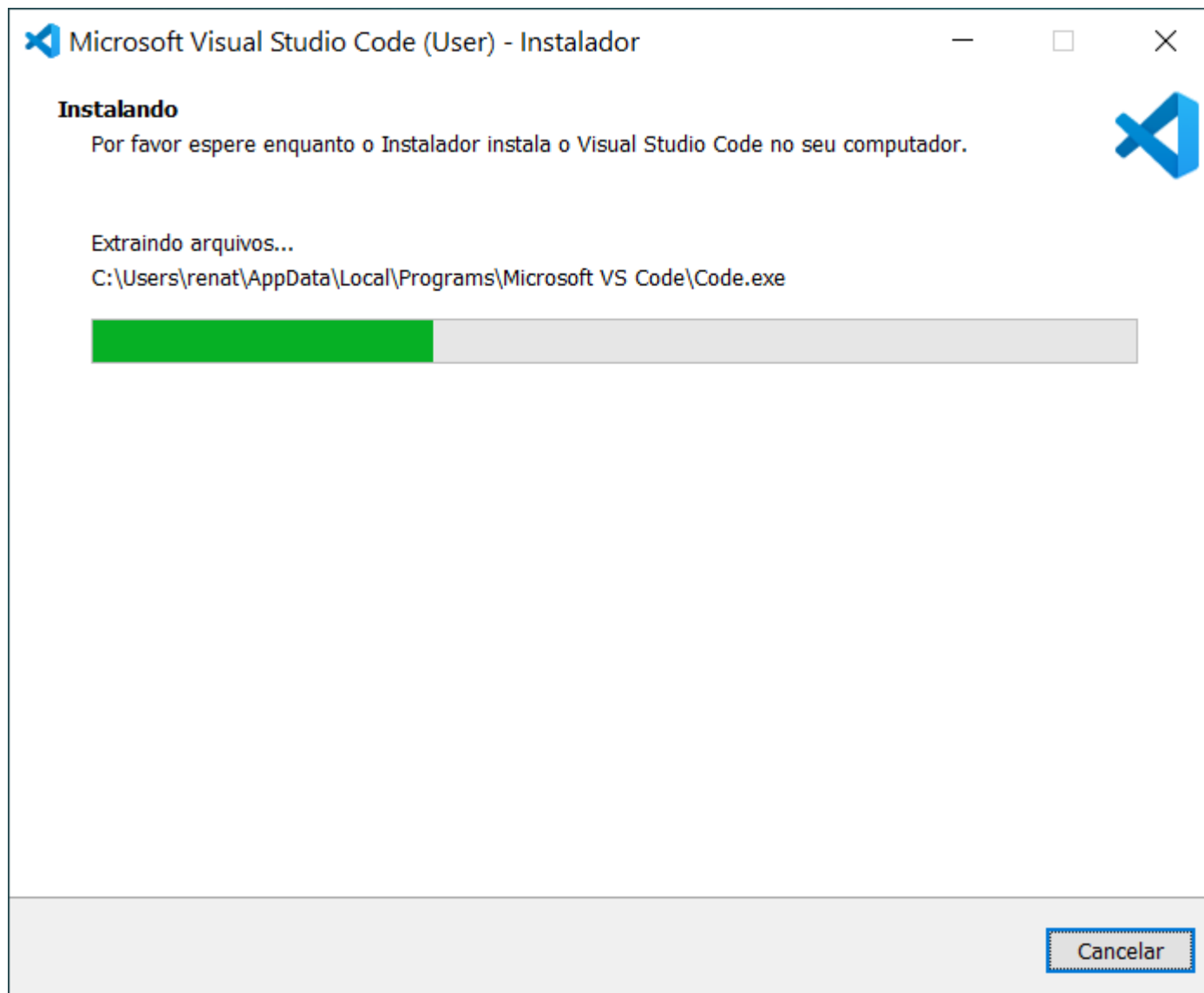




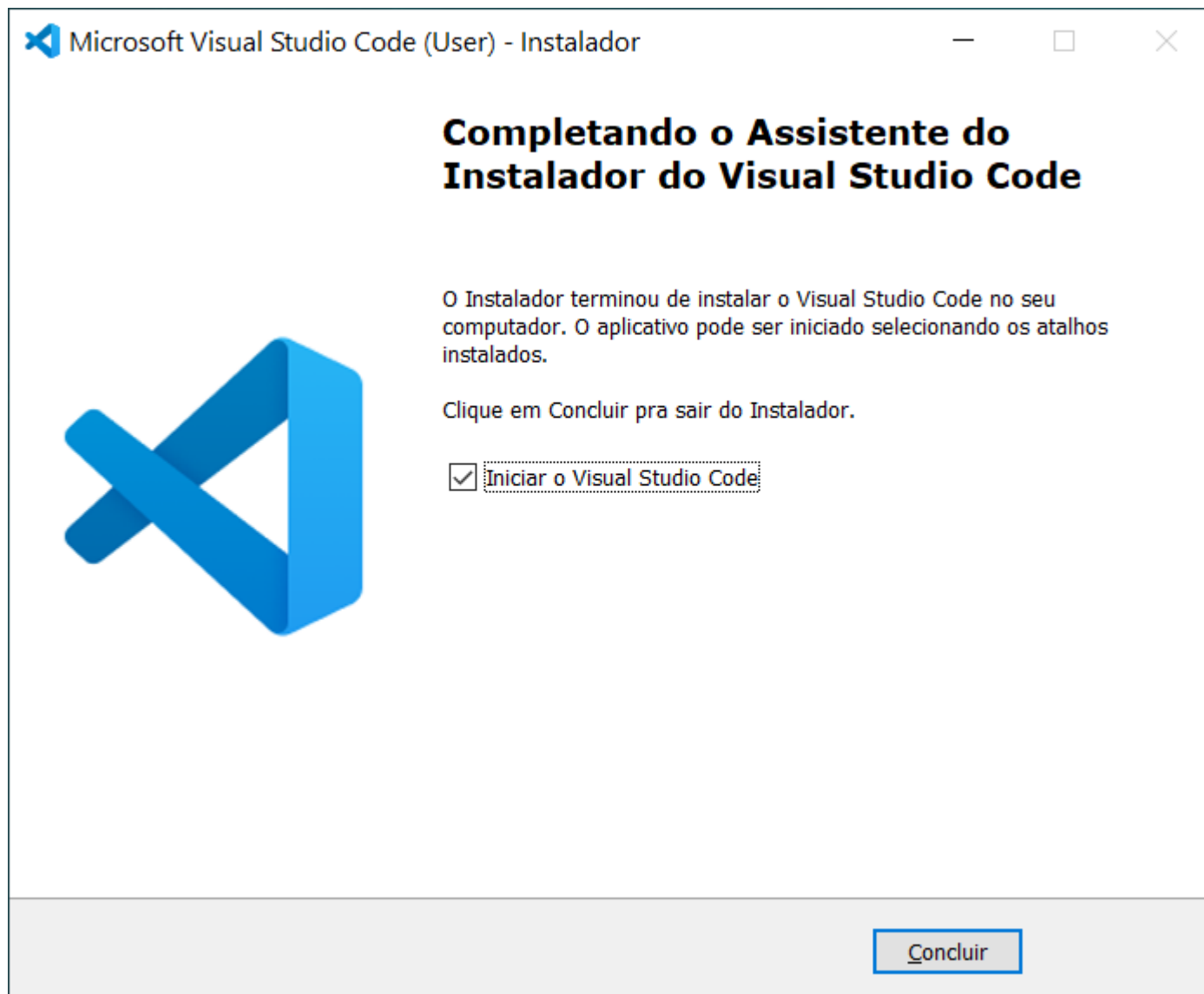


INSTALAÇÃO VSC



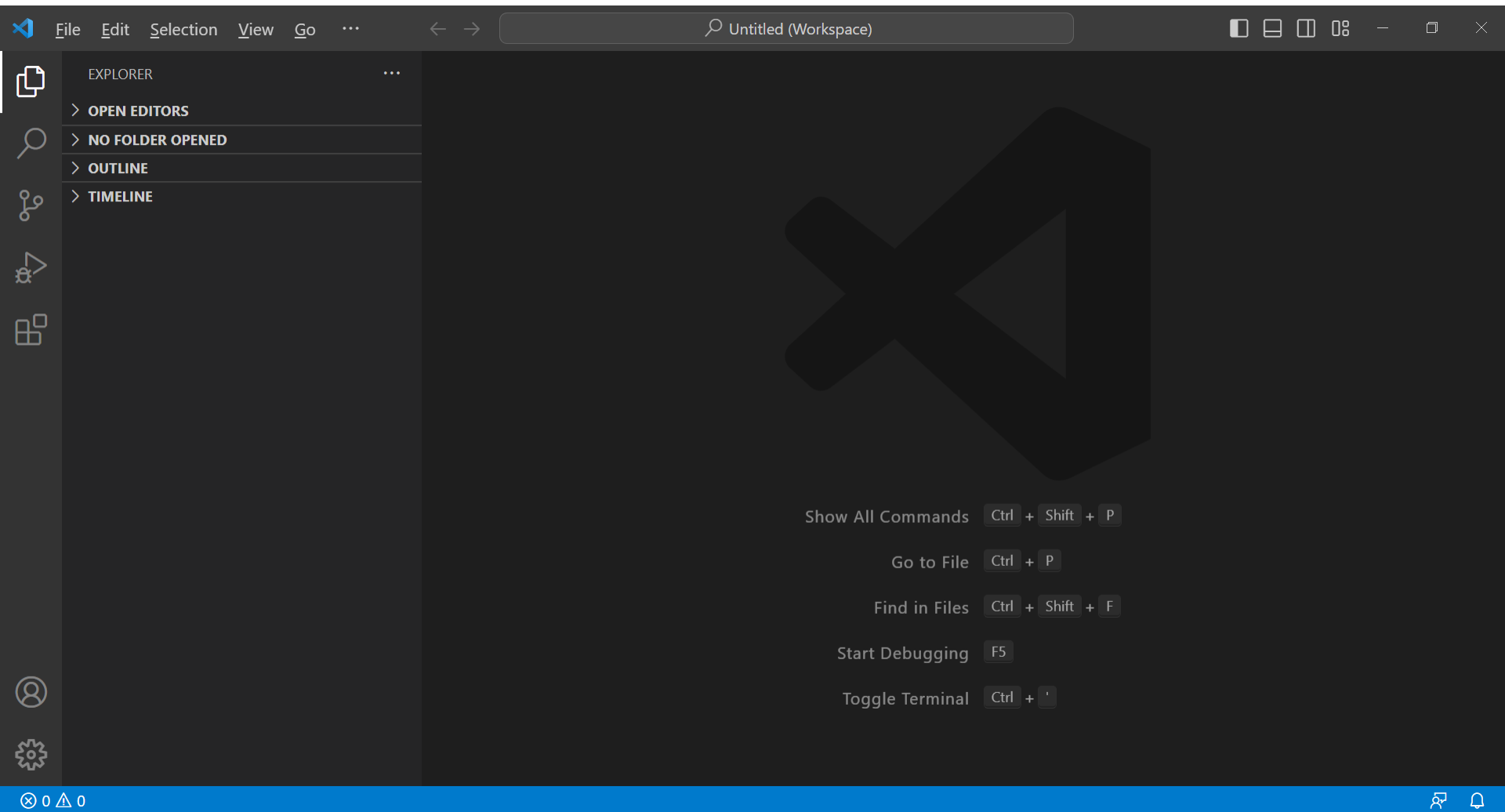


INSTALAÇÃO VSC

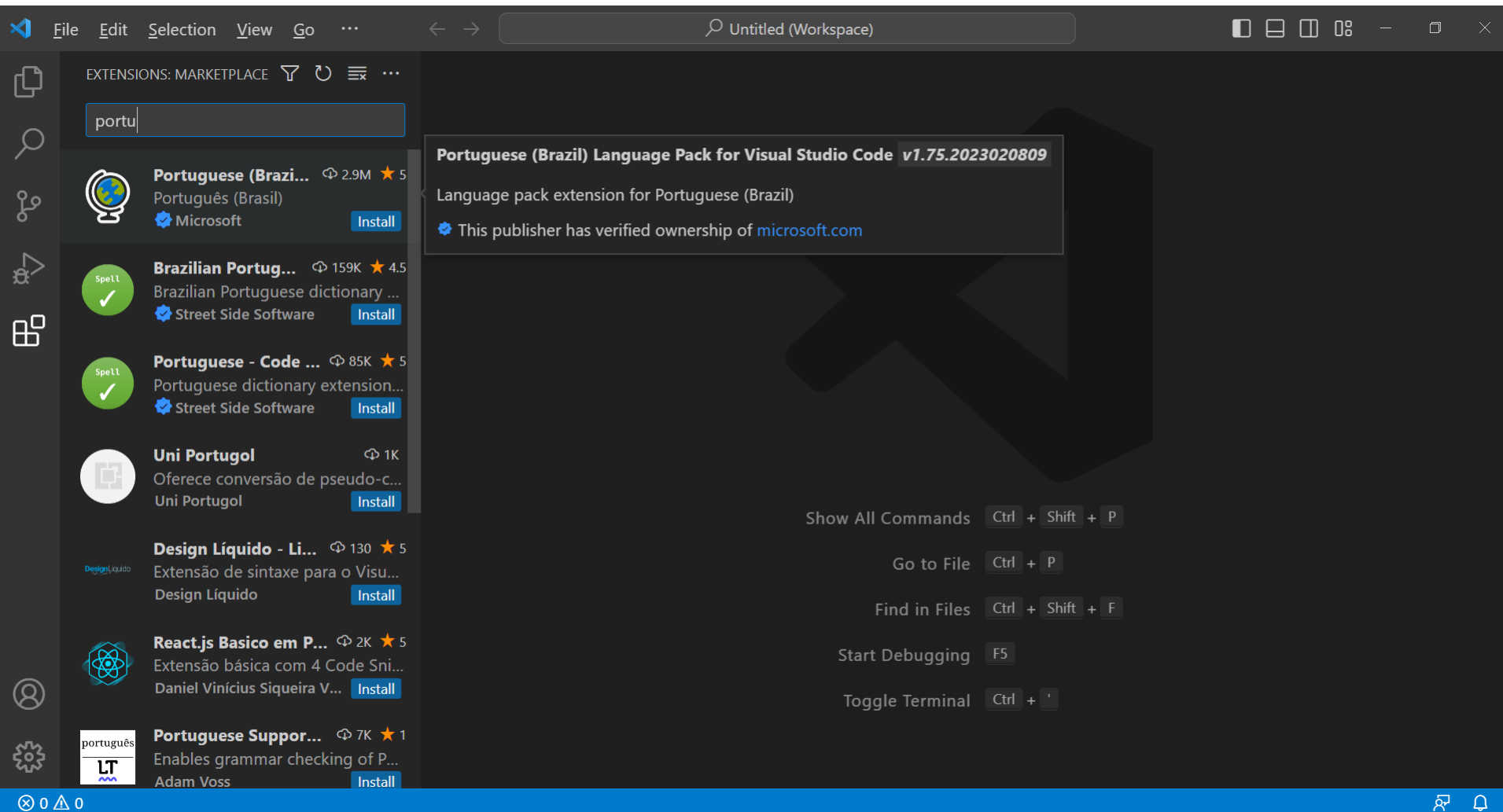


JS

VSC

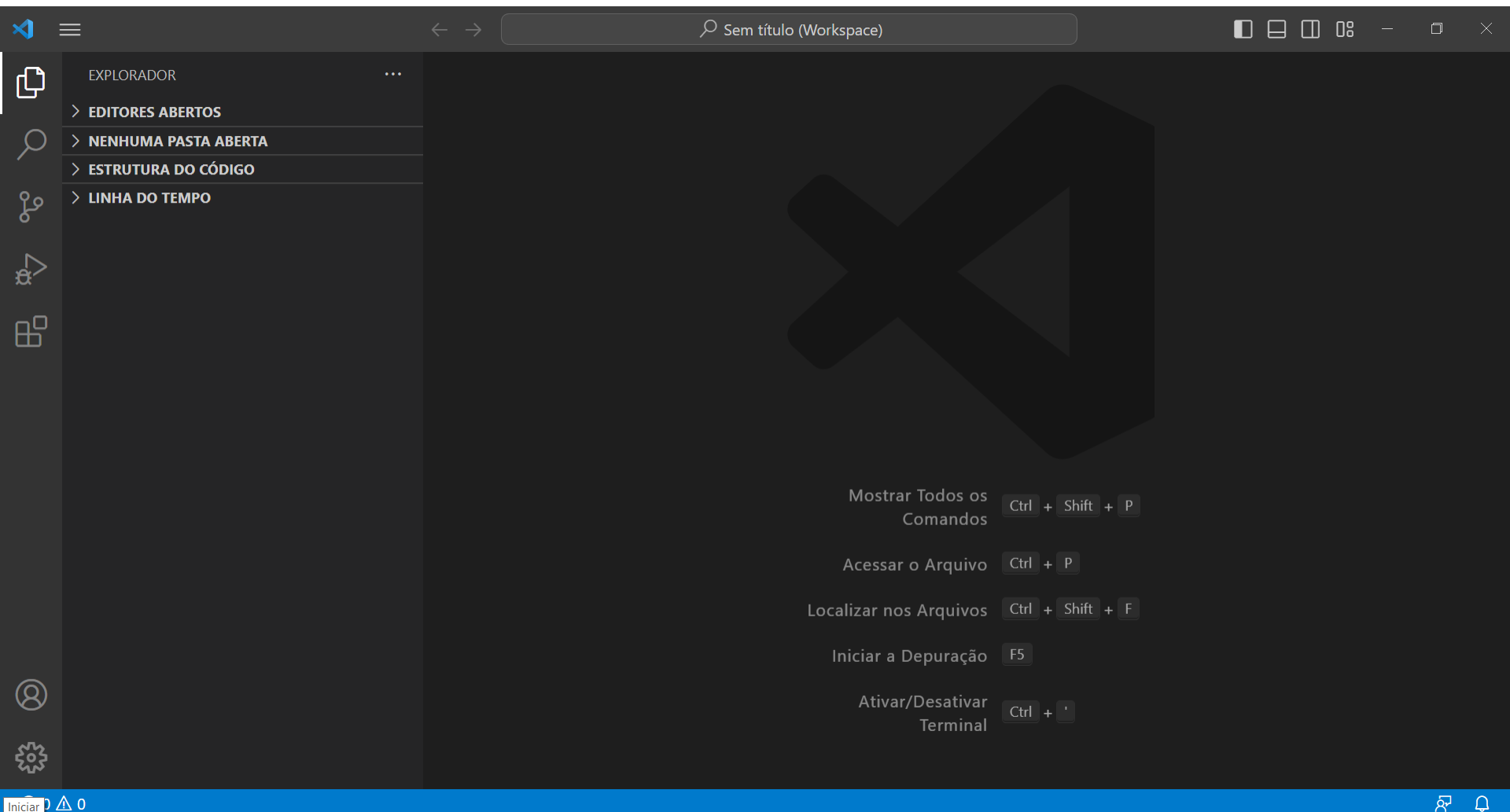


✚ No ícone Extensions digite “Portuguese” e clique em install:

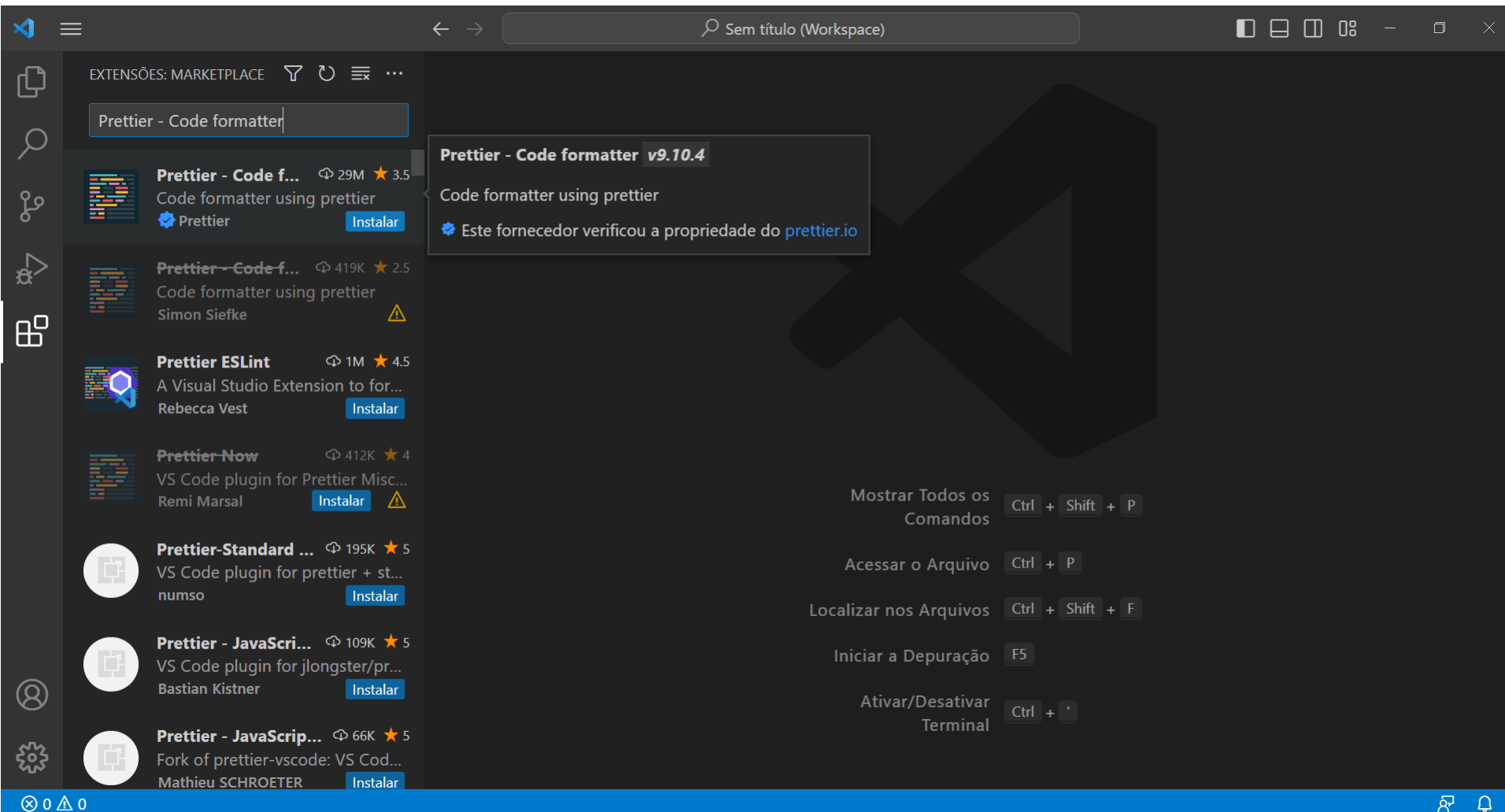




Após reiniciar:



⊕ Sugestão para formatador de código: Prettier



The screenshot shows the Visual Studio Code interface with the Extensions Marketplace open. The search bar contains 'Prettier - Code formatter'. The results list several extensions, with the top one being 'Prettier - Code formatter v9.10.4' by Prettier. A tooltip is visible over this extension, showing its description and a verification message. The right sidebar displays a list of keyboard shortcuts.

EXTENSÕES: MARKETPLACE

Search: Prettier - Code formatter

Prettier - Code formatter v9.10.4
Code formatter using prettier
Este fornecedor verificou a propriedade do prettier.io

Prettier - Code f...
Code formatter using prettier
Simon Siefke

Prettier ESLint
A Visual Studio Extension to for...
Rebecca Vest

Prettier-Now
VS Code plugin for Prettier Misc...
Remi Marsal

Prettier-Standard ...
VS Code plugin for prettier + st...
numso

Prettier - JavaScri...
VS Code plugin for jlongster/pr...
Bastian Kistner

Prettier - JavaScrip...
Fork of prettier-vscode: VS Cod...
Mathieu SCHROETER

Mostrar Todos os Comandos `Ctrl + Shift + P`

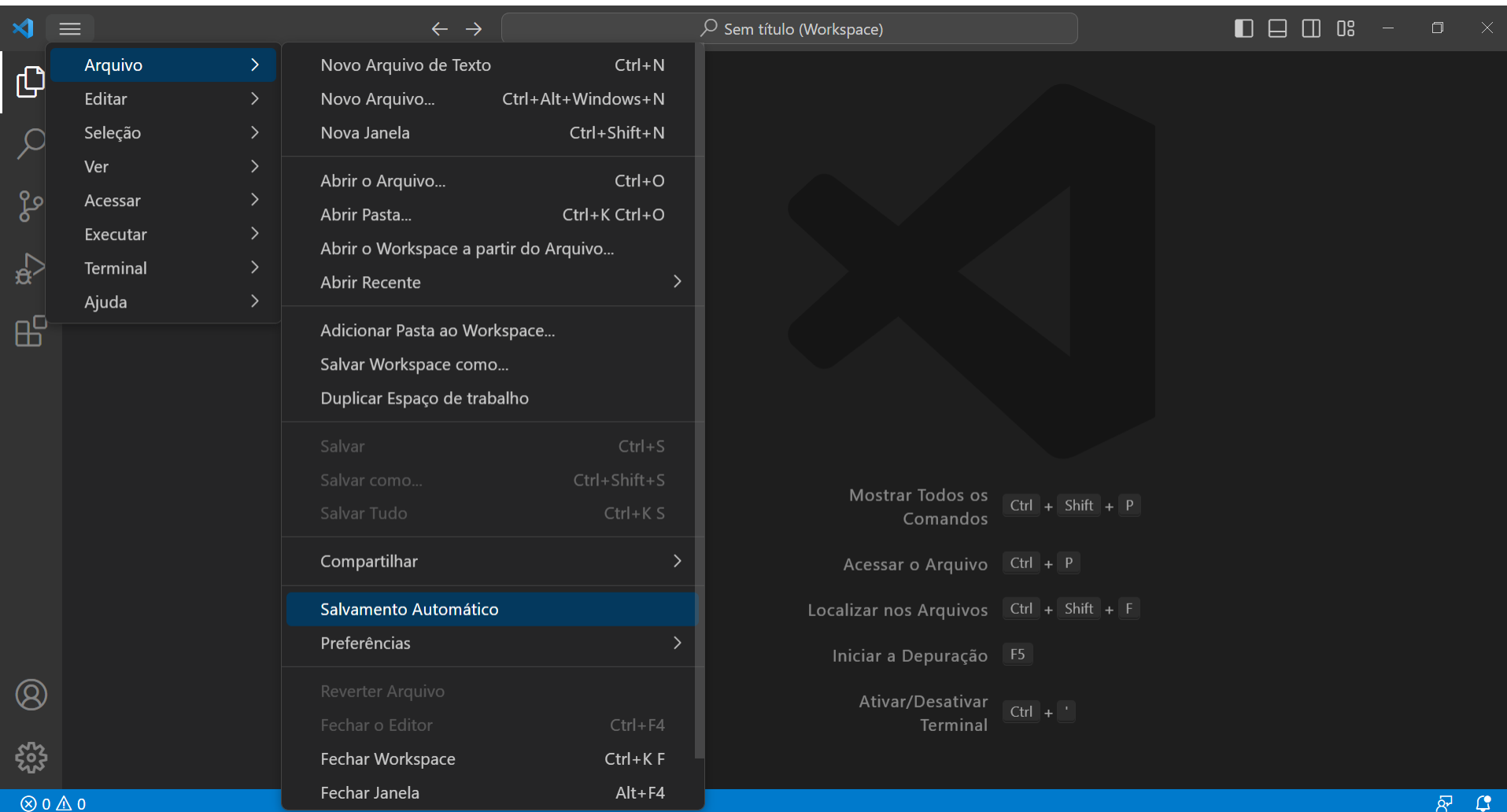
Acessar o Arquivo `Ctrl + P`

Localizar nos Arquivos `Ctrl + Shift + F`

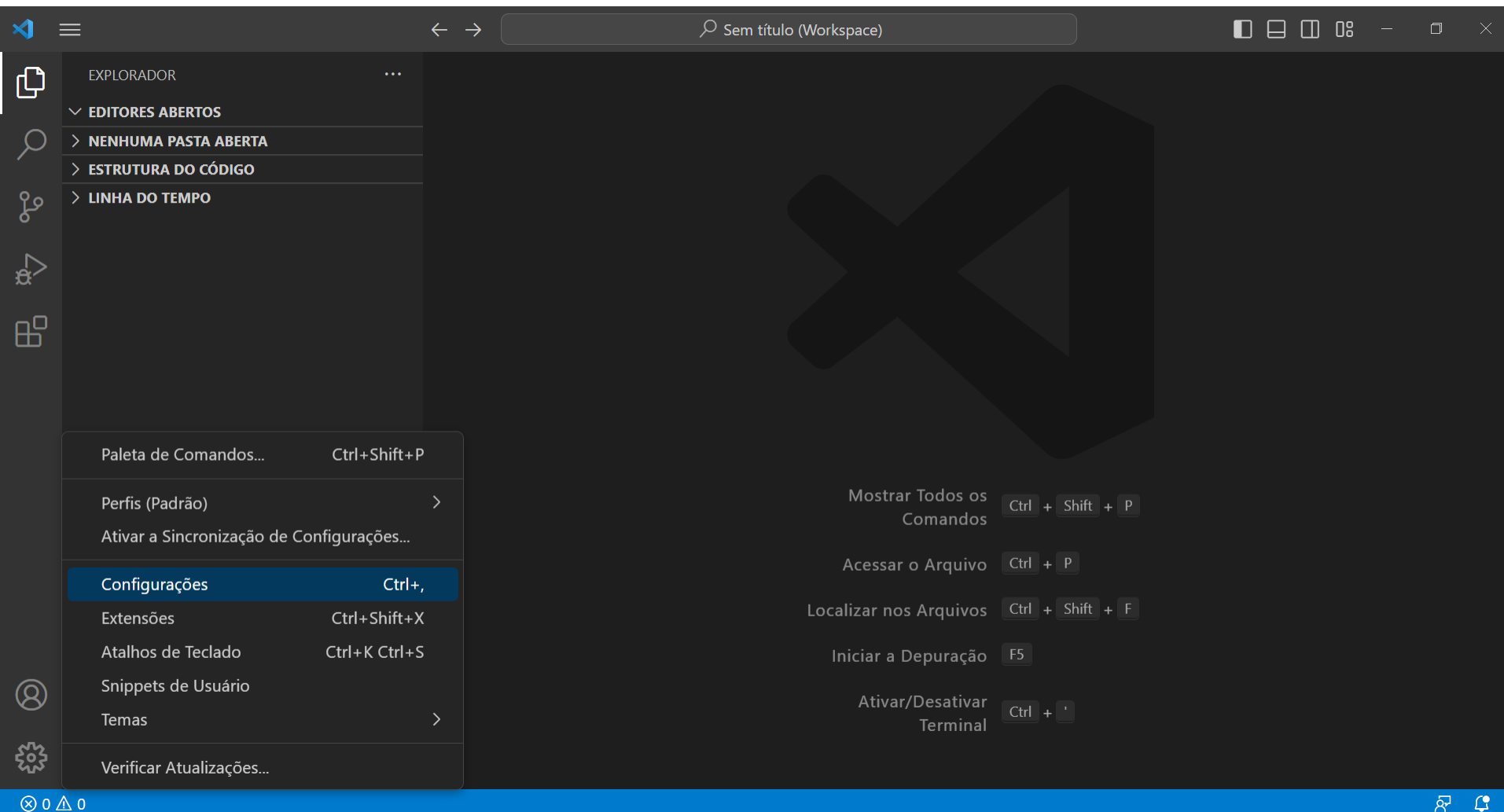
Iniciar a Depuração `F5`

Ativar/Desativar Terminal `Ctrl + ``

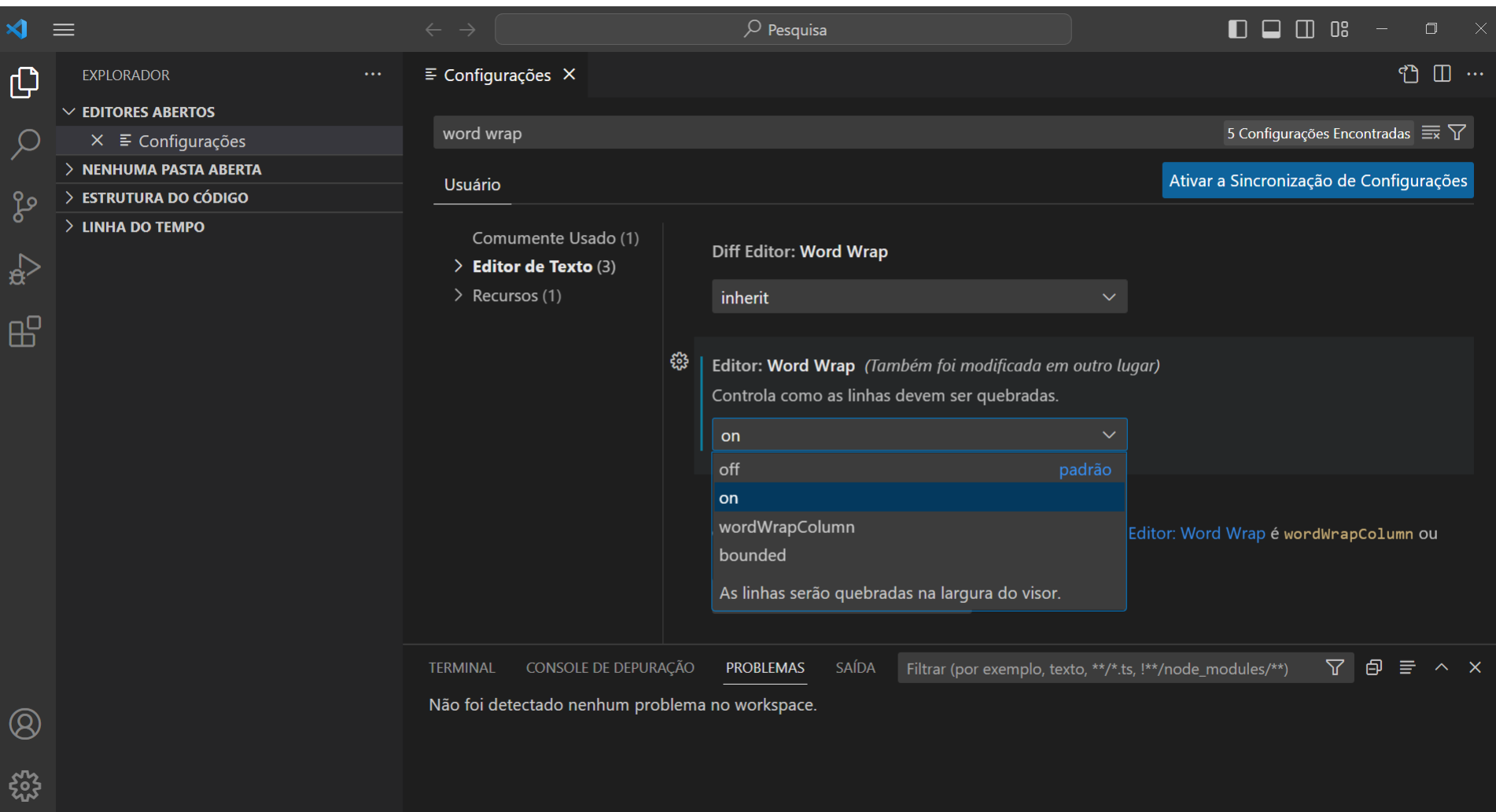
⊕ Sugestão salvar automaticamente o texto



⊕ Sugestão para quebra automática de linha: ir em gerenciar e configurações



⊕ Digitar word wrap na pesquisa a escolher on no Editor: Word Wrap



The screenshot shows the Visual Studio Code interface with the 'Configurações' (Settings) window open. The search bar at the top contains 'word wrap', and 5 configurations are found. The 'Editor: Word Wrap' setting is highlighted, showing a dropdown menu with options: 'on' (selected), 'off' (marked as 'padrão'), 'wordWrapColumn', and 'bounded'. A description below the dropdown states: 'As linhas serão quebradas na largura do visor.' (Lines will be wrapped at the width of the viewport).

EXPLORADOR

EDITORES ABERTOS

- Configurações
- NENHUMA PASTA ABERTA
- ESTRUTURA DO CÓDIGO
- LINHA DO TEMPO

Configurações

word wrap

5 Configurações Encontradas

Ativar a Sincronização de Configurações

Usuário

Comumente Usado (1)

- Editor de Texto (3)
- Recursos (1)

Diff Editor: Word Wrap

inherit

Editor: Word Wrap (Também foi modificada em outro lugar)

Controla como as linhas devem ser quebradas.

on

off padrão

on

wordWrapColumn

bounded

Editor: Word Wrap é wordWrapColumn ou

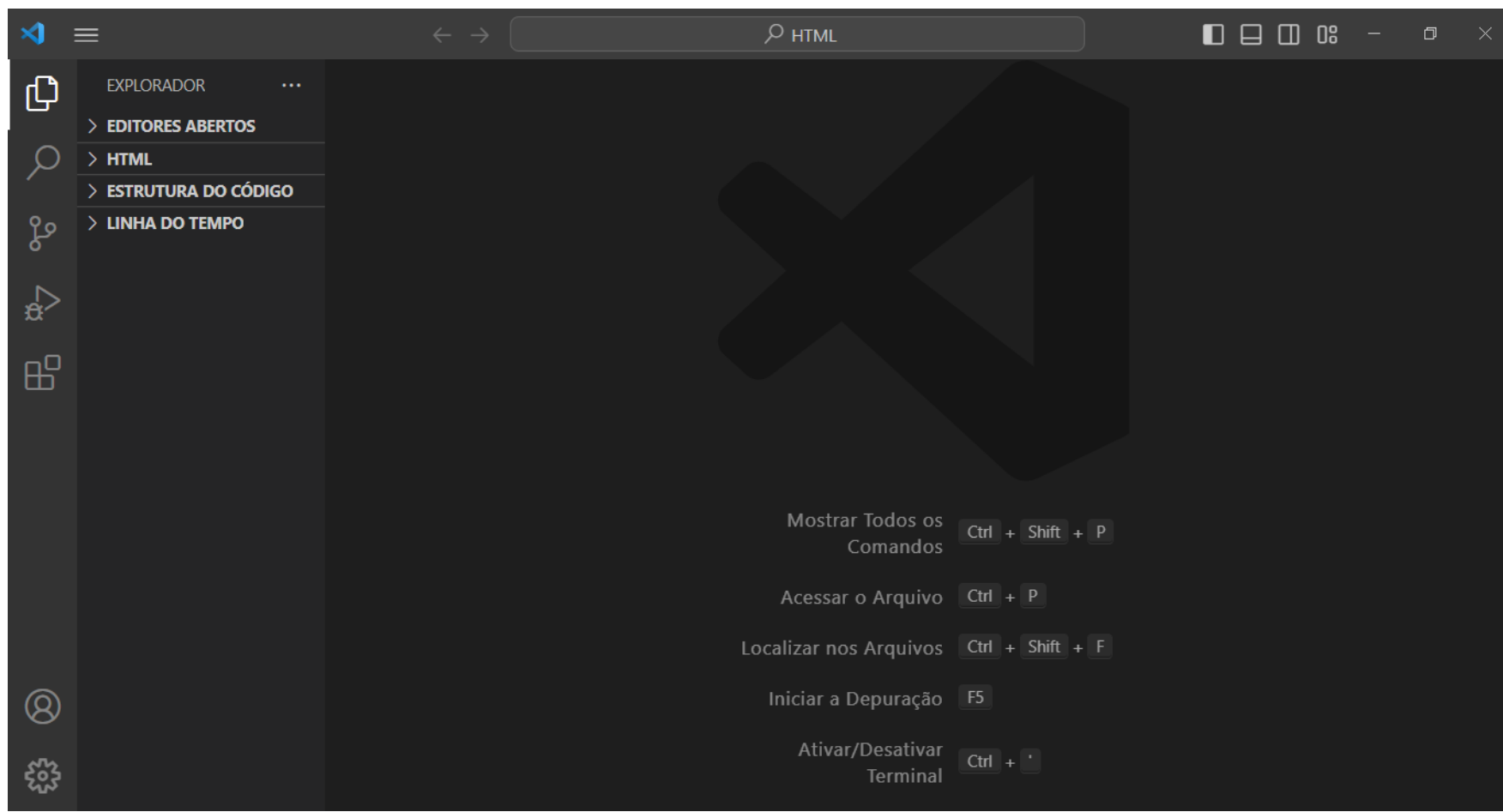
As linhas serão quebradas na largura do visor.

TERMINAL CONSOLE DE DEPURAÇÃO PROBLEMAS SAÍDA

Filtrar (por exemplo, texto, **/*.ts, !**/*node_modules/**)

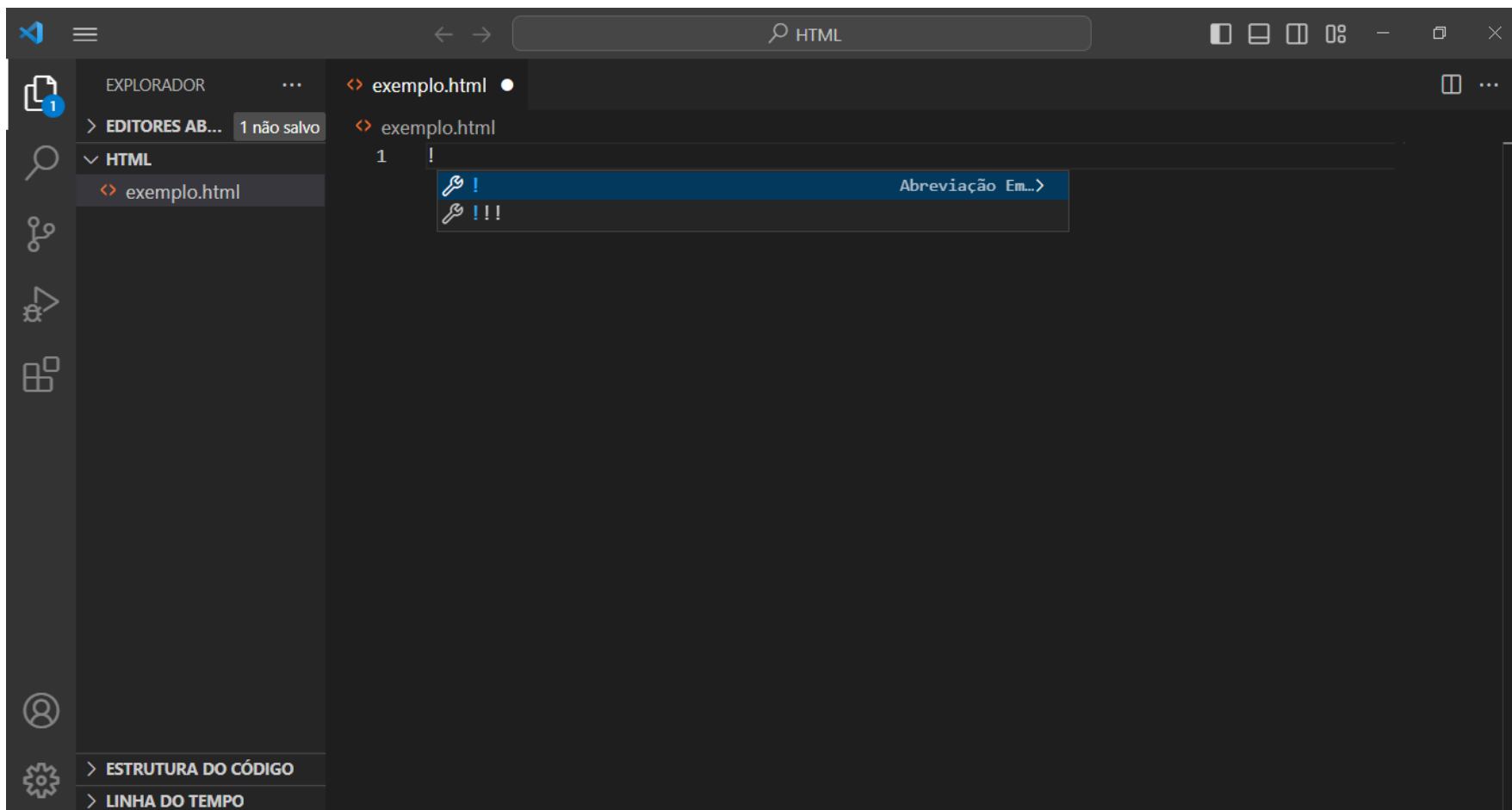
Não foi detectado nenhum problema no workspace.

- ✦ Usando o Explorer, crie uma pasta DSW no desktop
- ✦ Dentro da pasta DSW crie outra pasta HTML
- ✦ Clique com botão esquerdo do mouse na pasta HTML e escolha “Abrir com Code”

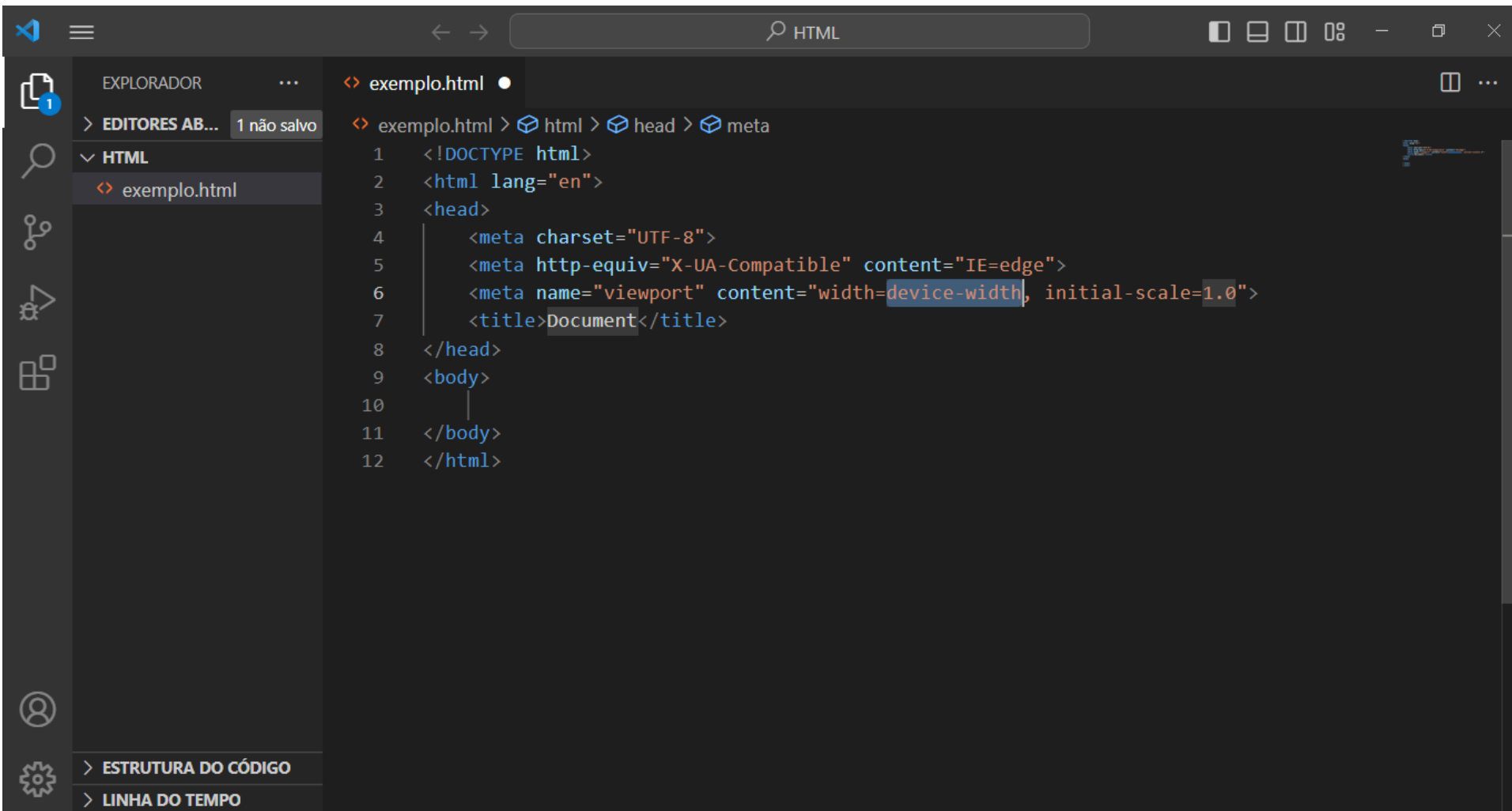


VISUAL STUDIO CODE

- ✦ No VSC clique no ícone Criar Arquivo ao lado da pasta HTML
- ✦ Digite o nome exemplo.html
- ✦ Digite ! Na 1ª linha e escolha a 1ª opção do menu pop-up que aparecer:

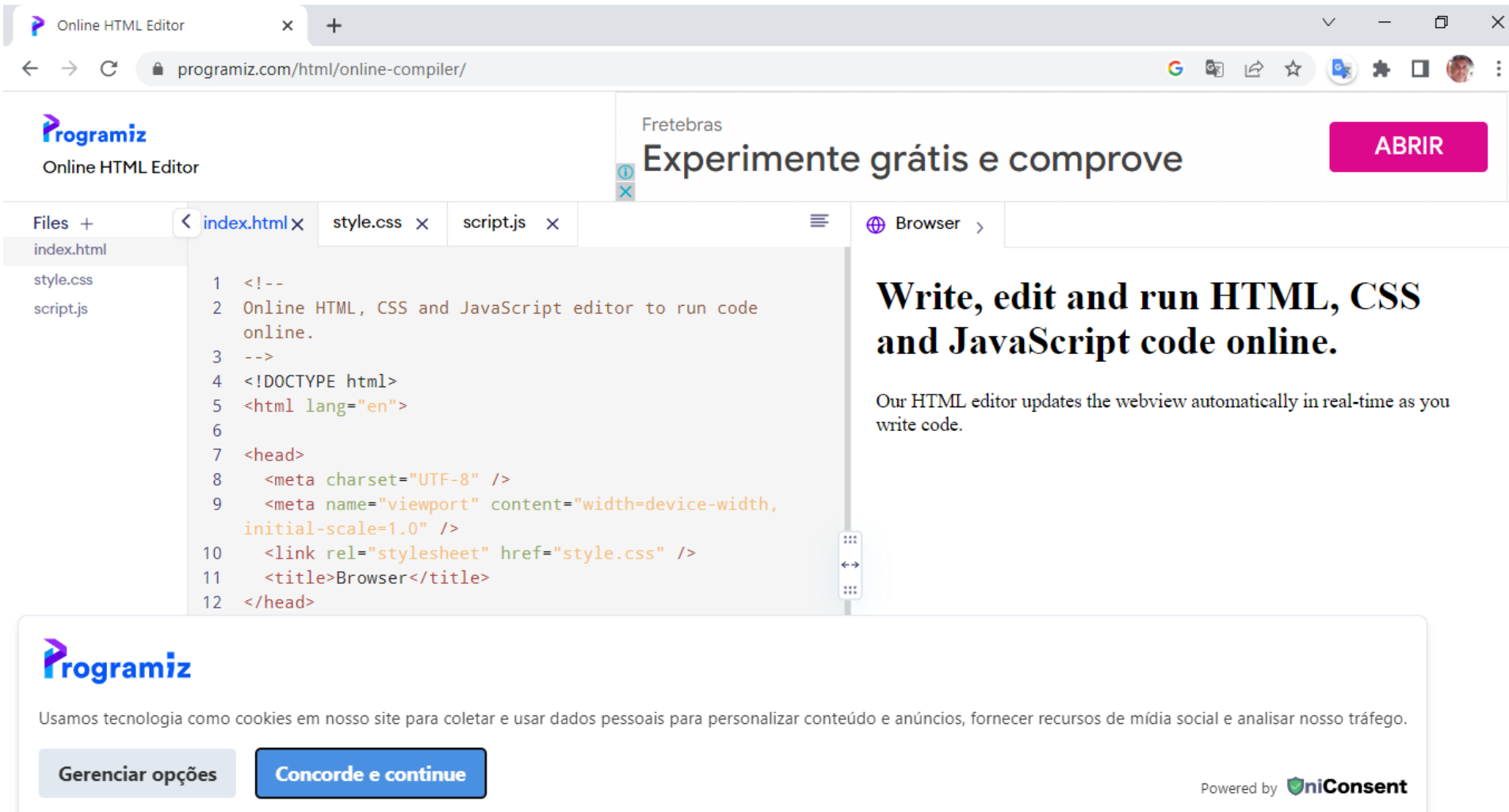


✚ Pronto ! Vcs gera um código inicial HTML.



The screenshot shows the Visual Studio Code interface with a dark theme. The Explorer sidebar on the left shows a file named 'exemplo.html' under the 'HTML' folder. The main editor area displays the content of 'exemplo.html', which is a basic HTML boilerplate. The breadcrumb navigation at the top of the editor shows the path: 'exemplo.html > html > head > meta'. The code is as follows:


```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>Document</title>
8 </head>
9 <body>
10
11 </body>
12 </html>
```





The screenshot shows the Programiz Online HTML Editor in a web browser. The browser's address bar displays `programiz.com/html/online-compiler/`. The editor interface includes a file explorer on the left with tabs for `index.html`, `style.css`, and `script.js`. The main code editor displays the following HTML code:

```
1 <!--  
2 Online HTML, CSS and JavaScript editor to run code  
3 -->  
4 <!DOCTYPE html>  
5 <html lang="en">  
6  
7 <head>  
8   <meta charset="UTF-8" />  
9   <meta name="viewport" content="width=device-width,  
10  initial-scale=1.0" />  
11   <link rel="stylesheet" href="style.css" />  
12   <title>Browser</title>  
13 </head>
```

On the right side of the editor, there is a preview window titled "Fretebras" with the heading "Experimente grátis e comprove" and a pink "ABRIR" button. Below this, the text reads: "Write, edit and run HTML, CSS and JavaScript code online." and "Our HTML editor updates the webview automatically in real-time as you write code."

At the bottom of the page, there is a footer with the Programiz logo, a privacy notice: "Usamos tecnologia como cookies em nosso site para coletar e usar dados pessoais para personalizar conteúdo e anúncios, fornecer recursos de mídia social e analisar nosso tráfego.", and two buttons: "Gerenciar opções" and "Concorde e continue". The footer also mentions "Powered by  OneConsent".

 **HTML5-Editor.Net**
DEMO HELP


Pranx.com - Online Pranks

We're hard to find: CTRL + D

```
1 <!-- ##### THIS IS A COMMENT - Visible only in the source editor
2 #####-->
3 <h2>Welcome To The Best Online HTML Web Editor!</h2>
4 <p style="font-size: 1.5em;">You can <strong style="background-color:
5 #317399; padding: 0 5px; color: #fff;">type your text</strong> directly in the
6 editor or paste it from a Word Doc, PDF, Excel etc.</p>
7 <p style="font-size: 1.5em;">The <strong>visual editor</strong> on the right
8 and the <strong>source editor</strong> on the left are linked together and the
9 changes are reflected in the other one as you type! </p>
11 <table class="editorDemoTable">
12 <tbody>
13 <tr>
14 <td><strong>Name</strong></td>
15 <td><strong>City</strong></td>
16 <td><strong>Age</strong></td>
17 </tr>
18 <tr>
19 <td>John</td>
20 <td>Chicago</td>
21 <td>23</td>
22 </tr>
23 <tr>
24 <td>Lucy</td>
25 <td>Wisconsin</td>
26 <td>19</td>
27 </tr>
28 <tr>
29 <td>Amanda</td>
30 <td>Madison</td>
31 <td>22</td>
32 </tr>
33 </tbody>
34 </table>
```

File Edit Insert View Format Table Tools

Undo Redo Source Code Ix Formats Bold Italic Underline Text Color Background Color Link Image Print View Source Table

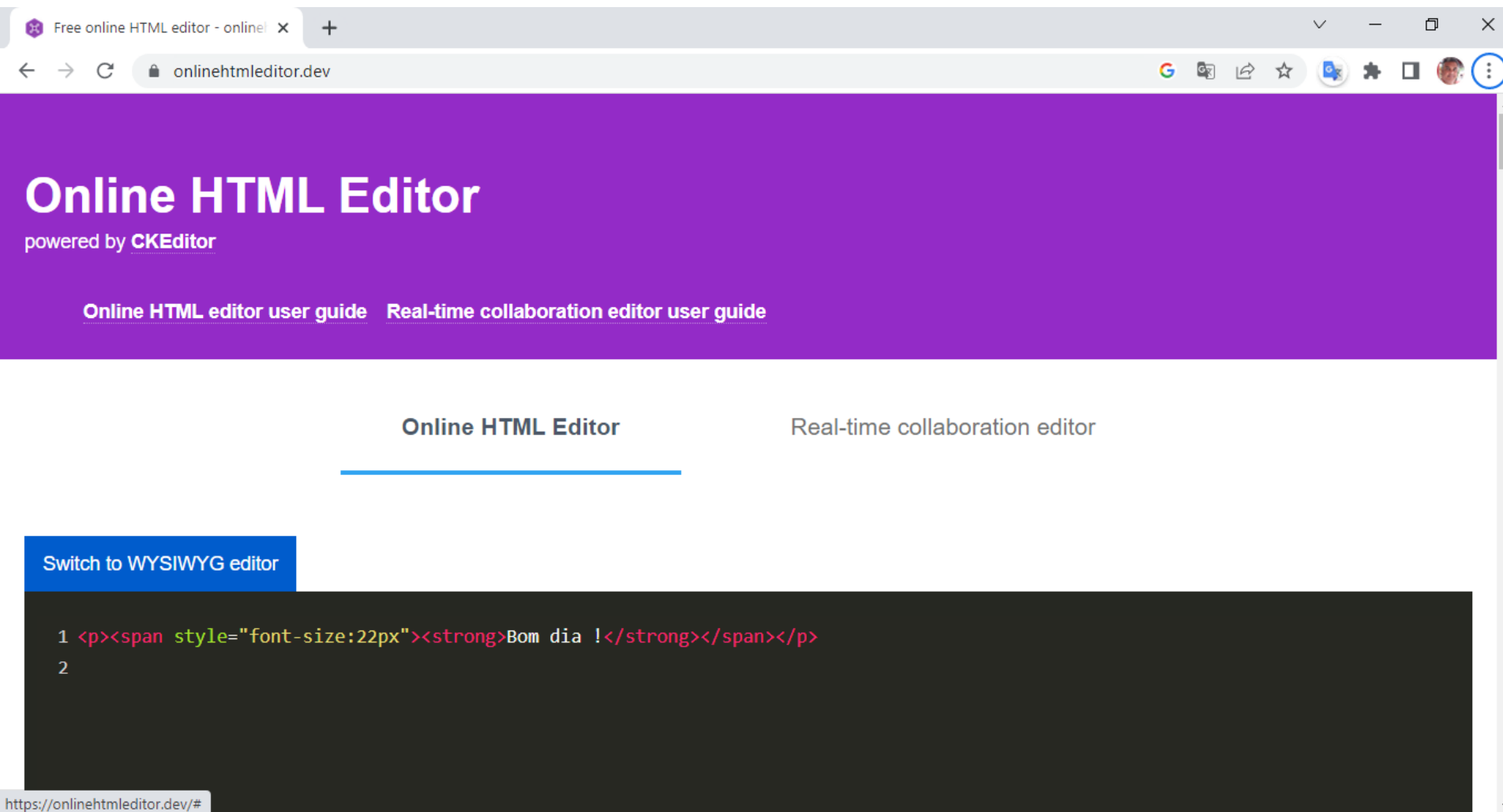
Welcome To The Best Online HTML Web Editor!

You can **type your text** directly in the editor or paste it from a Word Doc, PDF, Excel etc.

The **visual editor** on the right and the **source editor** on the left are linked together and the changes are reflected in the other one as you type! 😊

| Name | City | Age |
|--------|-----------|-----|
| John | Chicago | 23 |
| Lucy | Wisconsin | 19 |
| Amanda | Madison | 22 |

Resolvendo host...



The screenshot shows a web browser window with the URL `onlinehtmleditor.dev`. The page has a purple header with the title "Online HTML Editor" and the text "powered by CKEditor". Below the header, there are two links: "Online HTML editor user guide" and "Real-time collaboration editor user guide". The main content area has two tabs: "Online HTML Editor" (selected) and "Real-time collaboration editor". A blue button labeled "Switch to WYSIWYG editor" is visible. The code editor shows the following HTML code:

```
1 <p><span style="font-size:22px"><strong>Bom dia !</strong></span></p>
2
```

The browser's address bar shows the URL `https://onlinehtmleditor.dev/#`.

Exercícios

1. Baixar e instalar o VSC no seu computador
2. Configurar o VSC segundo as sugestões deste capítulo
3. Crie um arquivo html usando o atalho ! do VSC
4. Abra o seu arquivo html no Chrome usando Ctrl-o