

The background of the slide features a faded image of a person with curly hair, seen from the back, sitting at a desk. On the desk is a large computer monitor and a laptop. The laptop screen shows some code or text. The entire image is overlaid with a light blue, wavy, wireframe-like pattern that flows across the frame.

Git e GitHub

Maria Eduarda de Araújo Cardoso

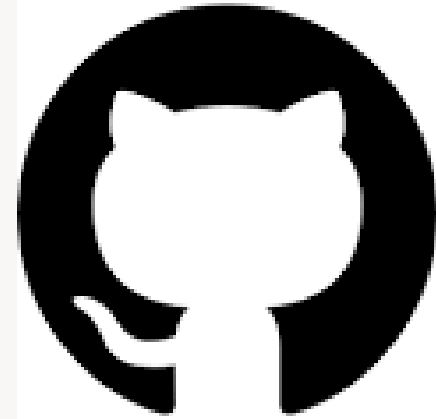
Git

- O que é?
- -> Sistema de versionamento de arquivos;
- -> Salva várias versões do seu código;
- -> Controle de tudo que você escreveu, apagou, alterou, etc...;
- -> Ajuda o trabalho de equipe;



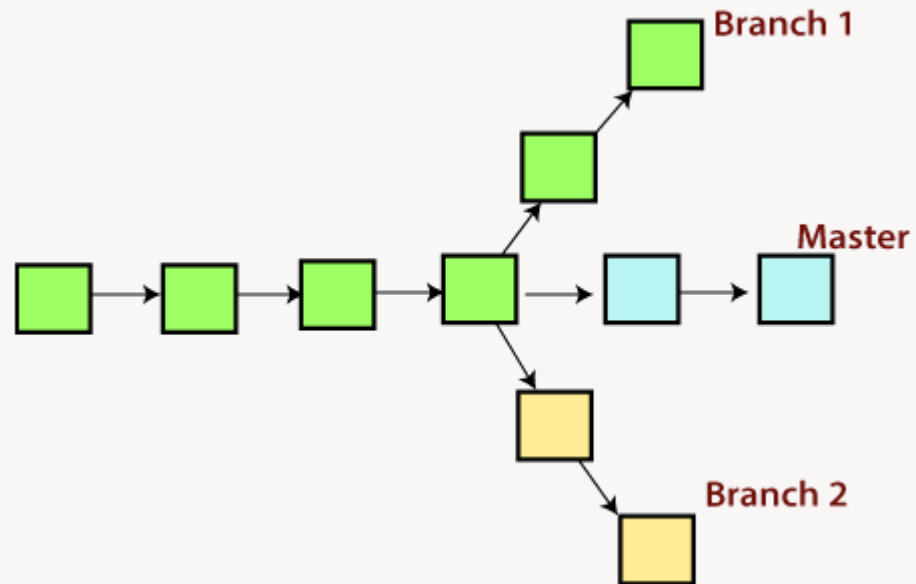
GitHub

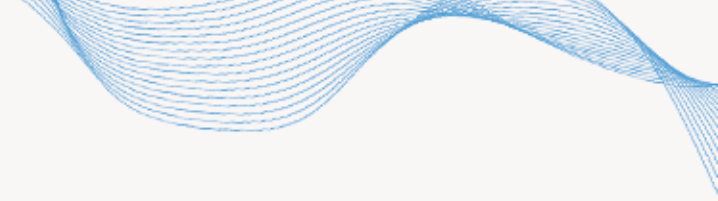
- -> Plataforma para hospedar arquivos;
- -> Acesso em: github.com
- -> Repositórios onde armazenamos os projetos;
- -> Portifólio;
- -> Vamos olhar como funciona;



GitHub

- -> **branch**: ramificação que você vai ter no projeto;



- 
- -> **commit**: salvamento da versão do projeto;
 - -> **merge**: junção das branch's;
 - -> **remote**: ela faz a ligação do código com o repositório;
 - -> **push**: ele sobe o código no repositório;
 - -> **pull**: pega o que tem de novo de código do repositório e atualiza na sua IDE;

Resumo

- GitHub é uma plataforma para gerenciar seu código e criar um ambiente de colaboração entre devs, utilizando o Git como sistema de controle.

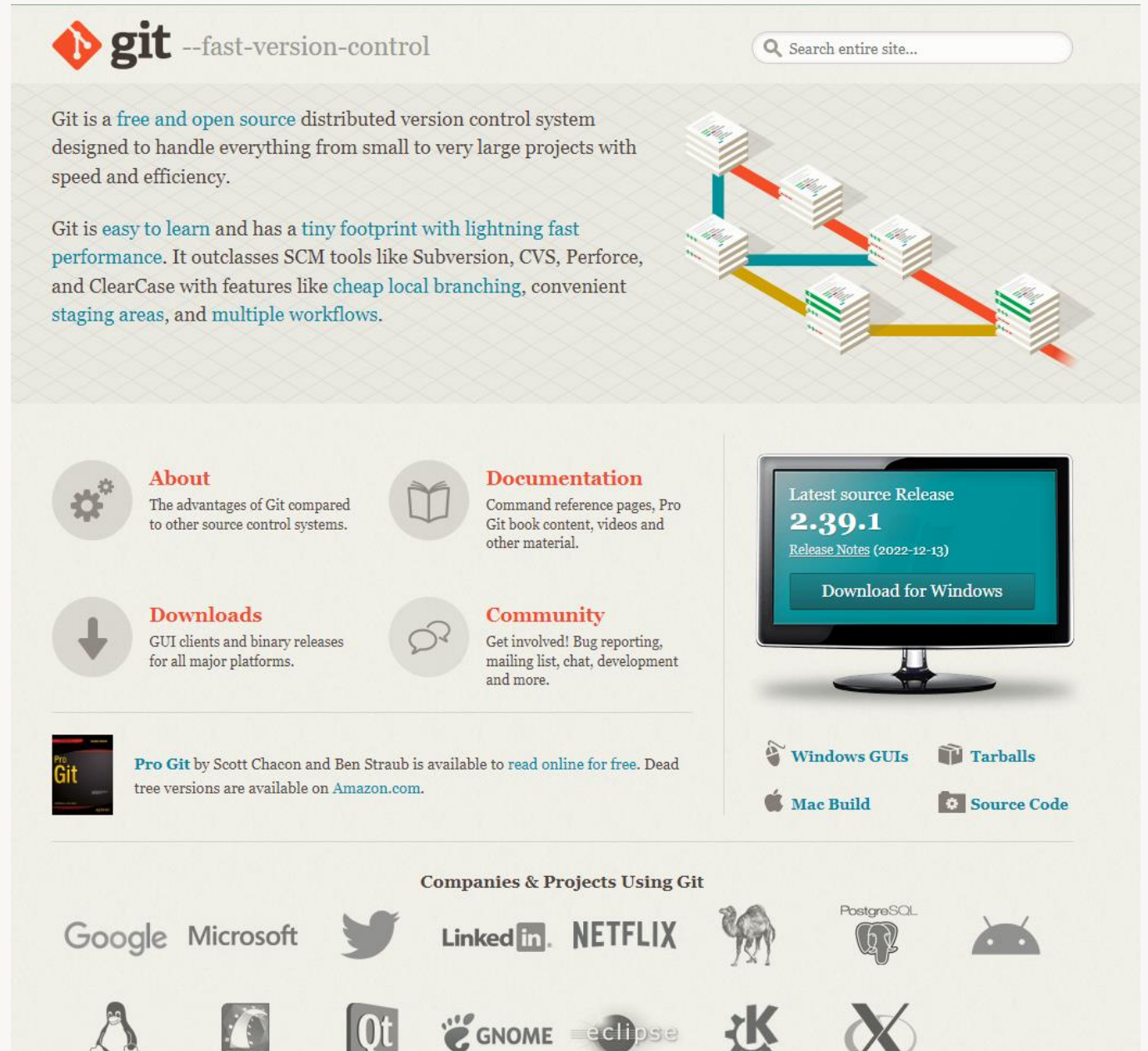
Como utilizar o git

The background image shows a person from behind, sitting at a desk and working on a laptop. A large monitor is also on the desk. The scene is dimly lit, with light coming from a window on the left. Blue wavy lines are overlaid on the image, particularly in the top right and bottom left corners.

Instalação do Git

- Acesse:

<https://git-scm.com/>



The screenshot shows the Git website homepage. At the top, the Git logo is followed by the tagline "--fast-version-control". A search bar is located in the top right corner. The main content area features a description of Git as a "free and open source distributed version control system" and highlights its ease of learning and performance. To the right of this text is a diagram illustrating Git's branching model with stacks of code and colored arrows representing branches. Below the main text, there are four sections: "About" (advantages of Git), "Documentation" (command reference, book content), "Downloads" (GUI clients, binary releases), and "Community" (bug reporting, mailing list). On the right side, a monitor displays the "Latest source Release 2.39.1" with a "Download for Windows" button. Below the monitor, links for "Windows GUIs", "Tarballs", "Mac Build", and "Source Code" are provided. At the bottom, a section titled "Companies & Projects Using Git" displays logos for various organizations and projects, including Google, Microsoft, Twitter, LinkedIn, Netflix, PostgreSQL, Android, Ubuntu, GNOME, Eclipse, and others.

git --fast-version-control

Search entire site...

Git is a **free and open source** distributed version control system designed to handle everything from small to very large projects with speed and efficiency.

Git is **easy to learn** and has a **tiny footprint with lightning fast performance**. It outclasses SCM tools like Subversion, CVS, Perforce, and ClearCase with features like **cheap local branching**, convenient staging areas, and **multiple workflows**.

About
The advantages of Git compared to other source control systems.

Documentation
Command reference pages, Pro Git book content, videos and other material.

Downloads
GUI clients and binary releases for all major platforms.

Community
Get involved! Bug reporting, mailing list, chat, development and more.

Latest source Release
2.39.1
[Release Notes \(2022-12-13\)](#)
[Download for Windows](#)

Windows GUIs **Tarballs**
Mac Build **Source Code**

Companies & Projects Using Git
Google Microsoft Twitter LinkedIn NETFLIX PostgreSQL Android Ubuntu GNOME Eclipse

Instalando o Git





Git 2.39.1 Setup



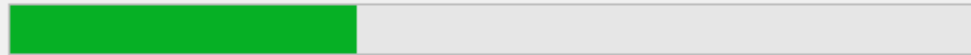
Installing

Please wait while Setup installs Git on your computer.



Extracting files...

C:\Program Files\Git\mingw64\share\doc\git-doc\technical\reftable.html



<https://gitforwindows.org/>

☒ Only show new options

Cancel



Git 2.39.1 Setup



Completing the Git Setup Wizard

Setup has finished installing Git on your computer. The application may be launched by selecting the installed shortcuts.



Click Finish to exit Setup.



Launch Git Bash



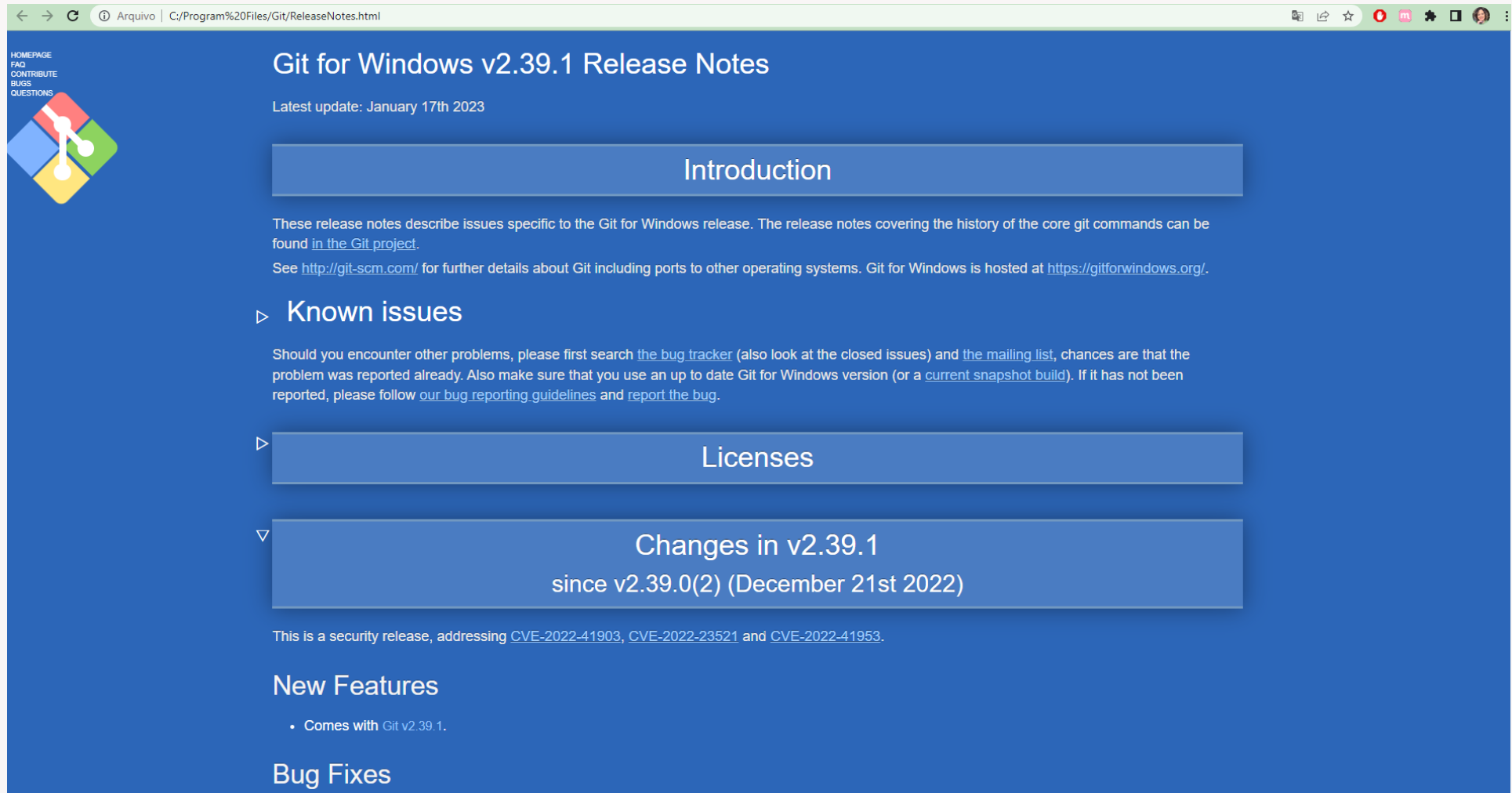
View Release Notes



Only show new options

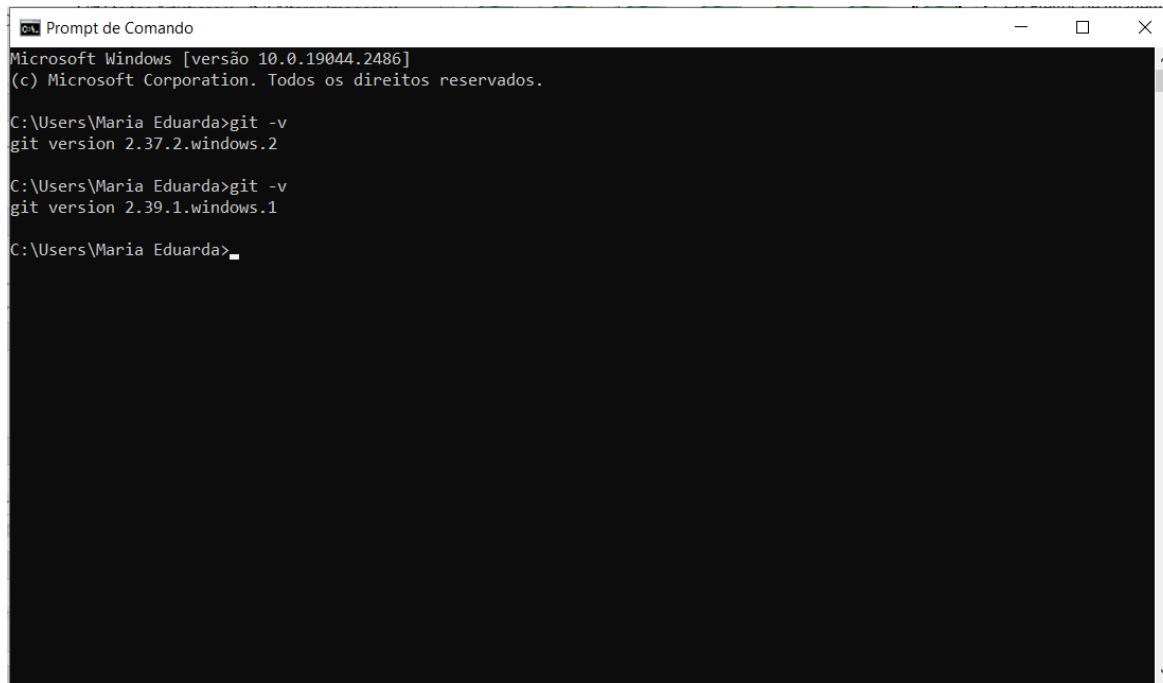
Finish

Após a instalação abre essa tela



Verificar a versão do Git instalada

Prompt de comando



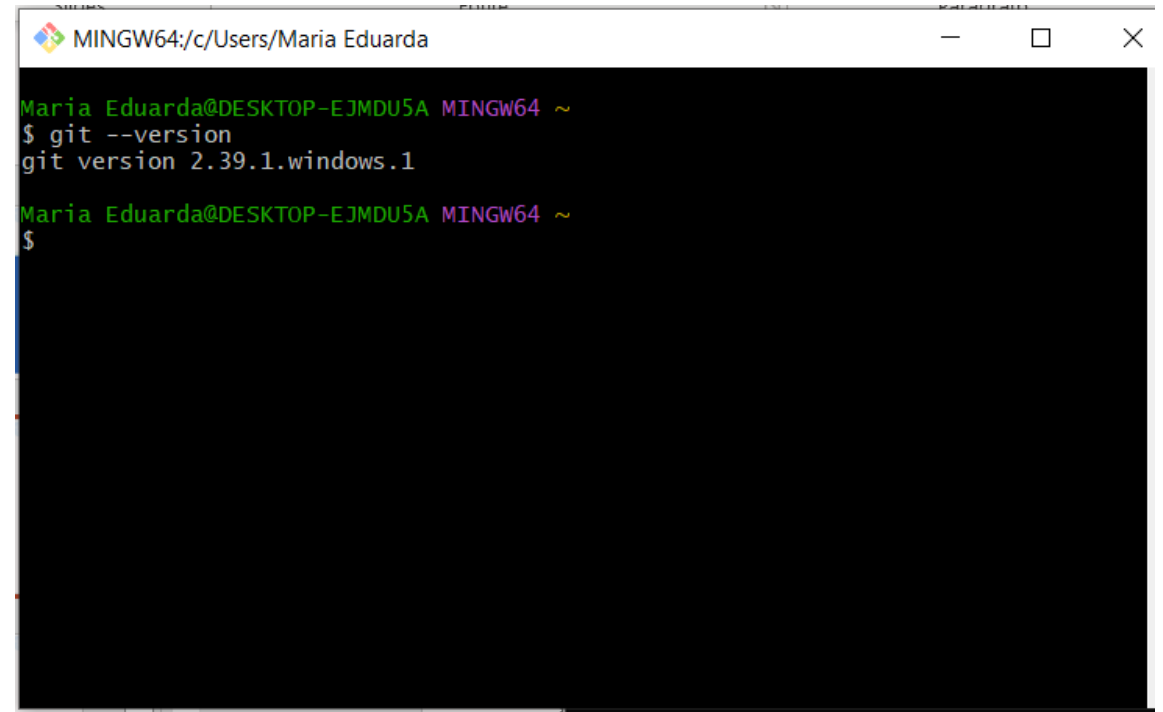
```
Prompt de Comando
Microsoft Windows [versão 10.0.19044.2486]
(c) Microsoft Corporation. Todos os direitos reservados.

C:\Users\Maria Eduarda>git -v
git version 2.37.2.windows.2

C:\Users\Maria Eduarda>git -v
git version 2.39.1.windows.1

C:\Users\Maria Eduarda>
```

Git Bash

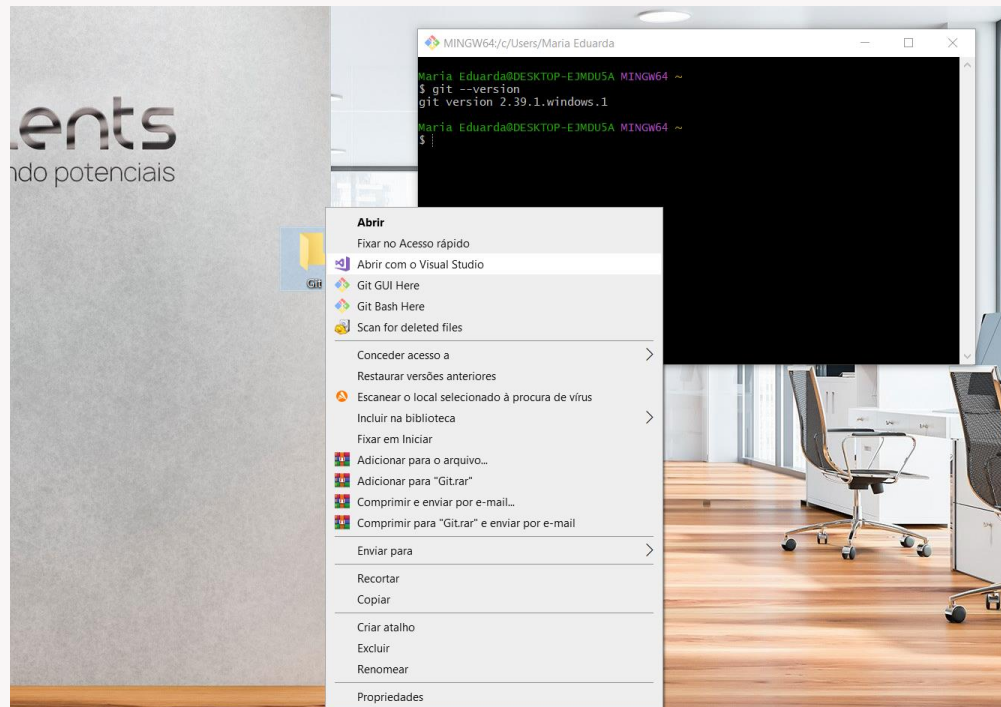


```
MINGW64:/c/Users/Maria Eduarda

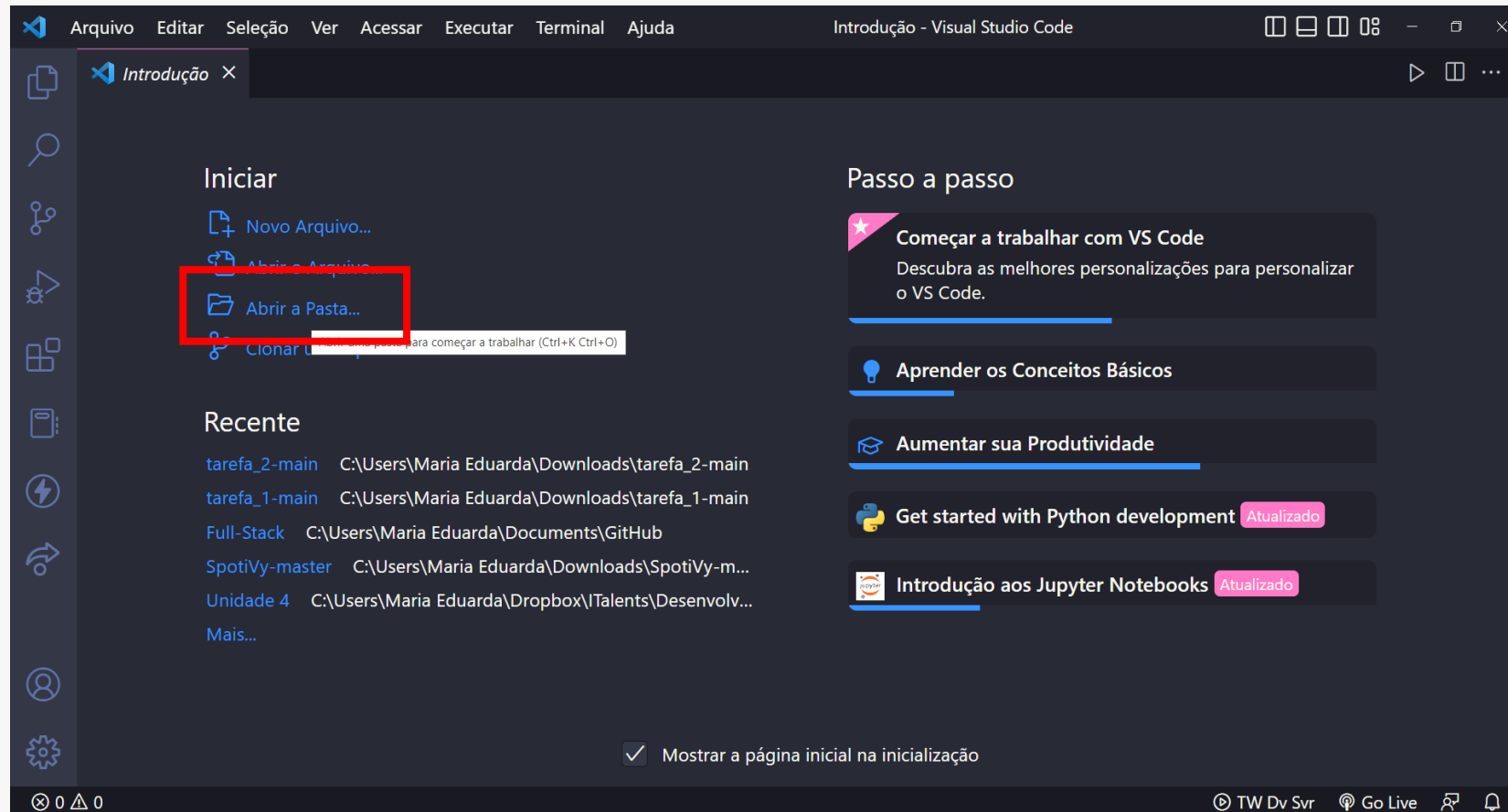
Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~
$ git --version
git version 2.39.1.windows.1

Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~
$
```

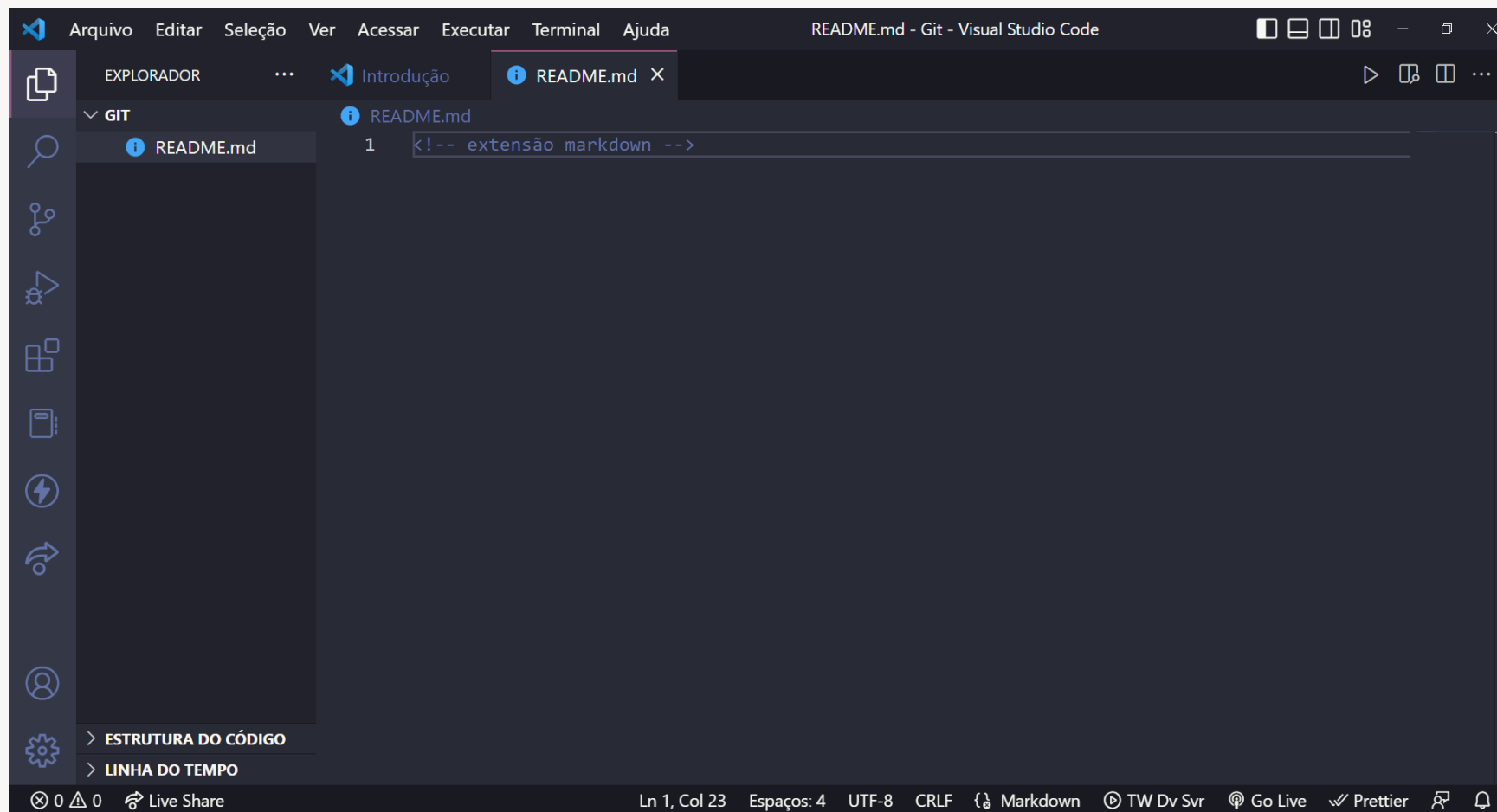
- Criar uma pasta na área de trabalho ou em qualquer lugar que você saiba onde está e possa acessar;
- Vamos acessar essa pasta com o botão esquerdo do mouse;



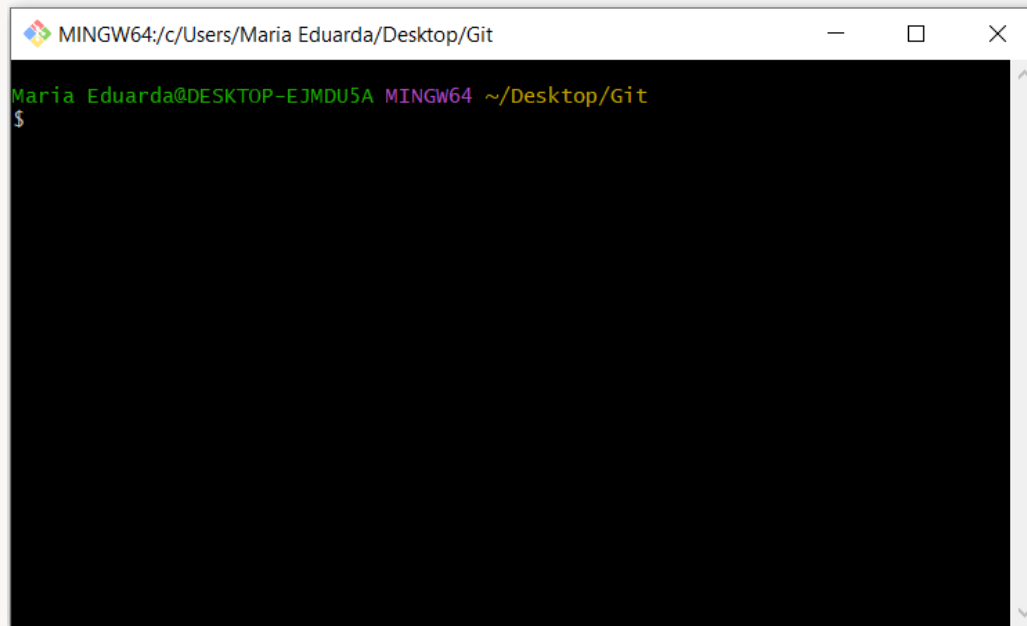
- Outra opção é abrir a pasta direto pelo VsCode;



- Criação de um arquivo: Readme.md; (extensão de markdown);

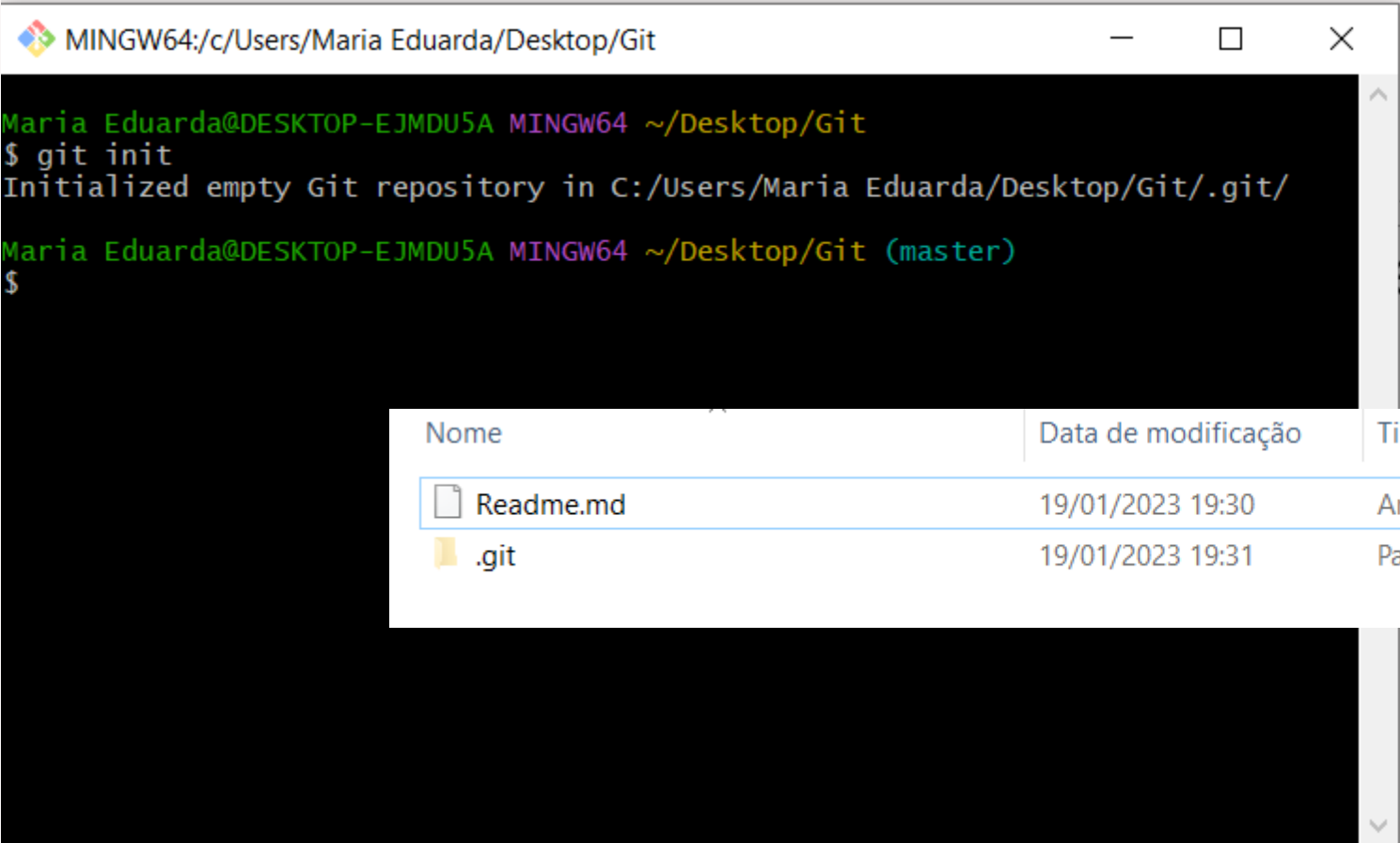


- Abrir a pasta;
- Clicar com o botão direito e clicar em Git Bash here;
- **IMPORTANTE:** verifique se o caminho está correto;

A screenshot of a Git Bash terminal window. The title bar at the top reads "MINGW64:/c/Users/Maria Eduarda/Desktop/Git" and includes standard window controls (minimize, maximize, close). The terminal area has a black background with green text. The first line shows the prompt "Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~/Desktop/Git". The second line shows a dollar sign "\$" as the command prompt, indicating the terminal is ready for input.

```
MINGW64:/c/Users/Maria Eduarda/Desktop/Git
Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~/Desktop/Git
$
```

- Primeiro passo -> git init: vamos inicializar um repositório



The screenshot shows a Windows terminal window titled "MINGW64:/c/Users/Maria Eduarda/Desktop/Git". The terminal output is as follows:

```
Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~/Desktop/Git
$ git init
Initialized empty Git repository in C:/Users/Maria Eduarda/Desktop/Git/.git/

Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~/Desktop/Git (master)
$
```

Overlaid on the terminal is a file explorer window showing the contents of the "c:/Users/Maria Eduarda/Desktop/Git" directory. It contains two items:

Nome	Data de modificação	Tipo	Tamanho
Readme.md	19/01/2023 19:30	Arquivo MD	1 KB
.git	19/01/2023 19:31	Pasta de arquivos	

- Git add -> envia os arquivos para área de stage;

-> git status

```
MINGW64:/c/Users/Maria Eduarda/Desktop/Git
Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~/Desktop/Git
$ git init
Initialized empty Git repository in C:/Users/Maria Eduarda/Desktop/Git/.git/
Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~/Desktop/Git (master)
$ git add README.md
```

```
MINGW64:/c/Users/Maria Eduarda/Desktop/Git
Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~/Desktop/Git
$ git init
Initialized empty Git repository in C:/Users/Maria Eduarda/Desktop/Git/.git/
Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~/Desktop/Git (master)
$ git add README.md
Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~/Desktop/Git (master)
$ git status
On branch master
No commits yet
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   README.md
Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~/Desktop/Git (master)
$
```

- `git commit -m "Initial commit"`

```
MINGW64:/c:/Users/Maria Eduarda/Desktop/Git
Initialized empty Git repository in C:/Users/Maria Eduarda/Desktop/Git/.git/

Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~/Desktop/Git (master)
$ git add README.md

Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~/Desktop/Git (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   README.md

Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~/Desktop/Git (master)
$ git commit -m "Initial commit"
[master (root-commit) 0f51f6a] Initial commit
 1 file changed, 4 insertions(+)
 create mode 100644 README.md

Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~/Desktop/Git (master)
$ |
```

- Mudar de Branch -> git Branch -M "main"

```
MINGW64:/c/Users/Maria Eduarda/Desktop/Git

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   README.md

Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~/Desktop/Git (master)
$ git commit -m "Initial commit"
[master (root-commit) 0f51f6a] Initial commit
 1 file changed, 4 insertions(+)
 create mode 100644 README.md

Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~/Desktop/Git (master)
$ git status
On branch master
nothing to commit, working tree clean

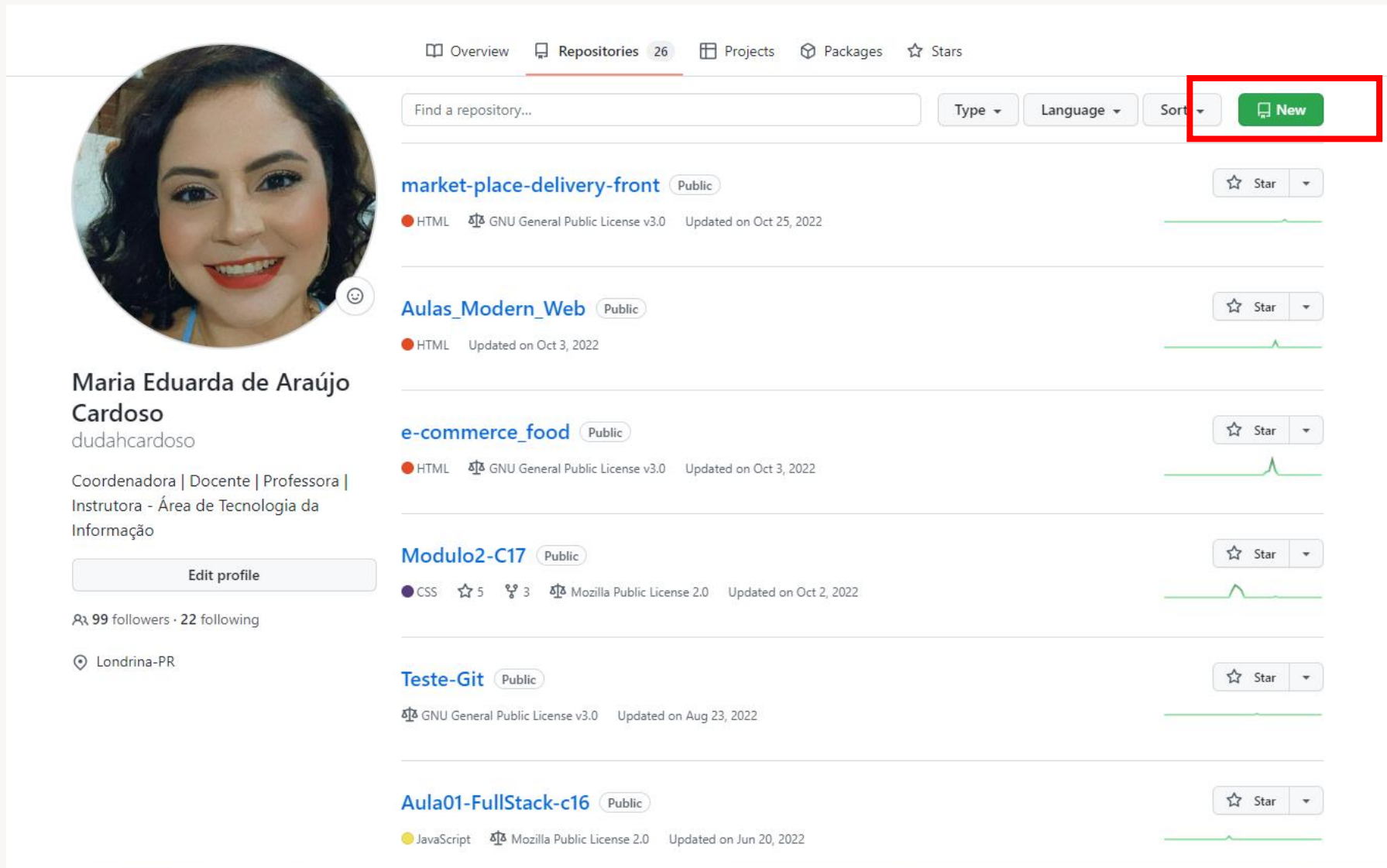
Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~/Desktop/Git (master)
$ git branch -M "main"

Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~/Desktop/Git (main)
$
```

The background image shows a person from behind, sitting at a desk and working on a computer. There is a large monitor and a laptop. The image is faded and has blue wavy lines overlaid on it. The text 'Como utilizar o GitHub' is centered in the middle of the image.

Como utilizar o GitHub

Criação de um repositório



The screenshot displays the GitHub profile of Maria Eduarda de Araújo Cardoso. The profile includes a circular profile picture, her name, username 'dudahcardoso', and her role as 'Coordenadora | Docente | Professora | Instrutora - Área de Tecnologia da Informação'. It also shows '99 followers · 22 following' and her location 'Londrina-PR'. The 'Repositories' tab is active, showing a list of six public repositories. A red box highlights the 'New' button in the repository filter area.

Profile Information:

- Name:** Maria Eduarda de Araújo Cardoso
- Username:** dudahcardoso
- Role:** Coordenadora | Docente | Professora | Instrutora - Área de Tecnologia da Informação
- Followers:** 99
- Following:** 22
- Location:** Londrina-PR

Repositories:

Repository Name	Language	License	Updated
market-place-delivery-front	HTML	GNU General Public License v3.0	Oct 25, 2022
Aulas_Modern_Web	HTML		Oct 3, 2022
e-commerce_food	HTML	GNU General Public License v3.0	Oct 3, 2022
Modulo2-C17	CSS	Mozilla Public License 2.0	Oct 2, 2022
Teste-Git		GNU General Public License v3.0	Aug 23, 2022
Aula01-FullStack-c16	JavaScript	Mozilla Public License 2.0	Jun 20, 2022

Criando o repositório

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Owner *



dudahcardoso ▾

Repository name *



Great repository names are short and memorable. Need inspiration? How about [scaling-memory](#)?

Description (optional)



Public

Anyone on the internet can see this repository. You choose who can commit.



Private

You choose who can see and commit to this repository.

Initialize this repository with:

Skip this step if you're importing an existing repository.



Add a README file

This is where you can write a long description for your project. [Learn more.](#)

Add .gitignore

Choose which files not to track from a list of templates. [Learn more.](#)

.gitignore template: None ▾

Choose a license

A license tells others what they can and can't do with your code. [Learn more.](#)

License: None ▾

You are creating a public repository in your personal account.

Create repository

Configurações

Owner *

dudahcardoso ▾

Repository name *

aula-GitHub ✓

Description (optional)

☒ Public

Anyone on the internet can see this repository. You choose who can commit.

☐ Private

You choose who can see and commit to this repository.

Initialize this repository with:

Skip this step if you're importing an existing repository.

☐ Add a README file

This is where you can write a long description for your project. [Learn more.](#)

Add .gitignore

Choose which files not to track from a list of templates. [Learn more.](#)

.gitignore template: None ▾

Choose a license

A license tells others what they can and can't do with your code. [Learn more.](#)


License: None ▾

ⓘ You are creating a public repository in your personal account.

Create repository

Configurações

Quick setup — if you've done this kind of thing before

 Set up in Desktop

or

HTTPS

SSH

<https://github.com/dudahcardoso/aula-GitHub.git>



Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

...or create a new repository on the command line

```
echo "# aula-GitHub" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/dudahcardoso/aula-GitHub.git
git push -u origin main
```



...or push an existing repository from the command line


```
git remote add origin https://github.com/dudahcardoso/aula-GitHub.git
git branch -M main
git push -u origin main
```



...or import code from another repository

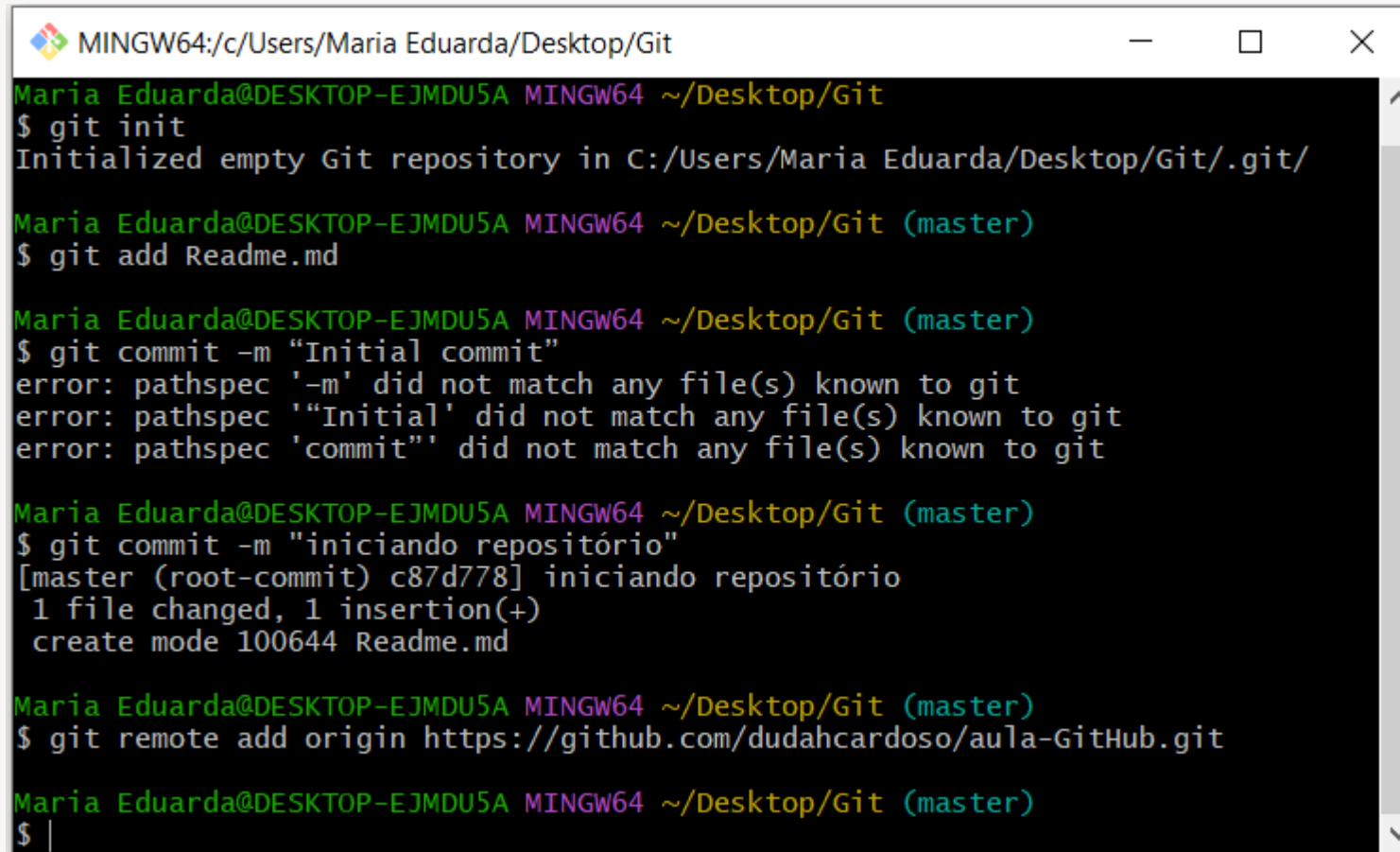
You can initialize this repository with code from a Subversion, Mercurial, or TFS project.

[Import code](#)

 **ProTip!** Use the URL for this page when adding GitHub as a remote.

Pegar o repositório criado e colocar no GitHub

- Conexão com o repositório local: git remote add origin + url GitHub;



```
MINGW64:/c:/Users/Maria Eduarda/Desktop/Git
Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~/Desktop/Git
$ git init
Initialized empty Git repository in C:/Users/Maria Eduarda/Desktop/Git/.git/

Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~/Desktop/Git (master)
$ git add Readme.md

Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~/Desktop/Git (master)
$ git commit -m "Initial commit"
error: pathspec '-m' did not match any file(s) known to git
error: pathspec '"Initial' did not match any file(s) known to git
error: pathspec 'commit"' did not match any file(s) known to git

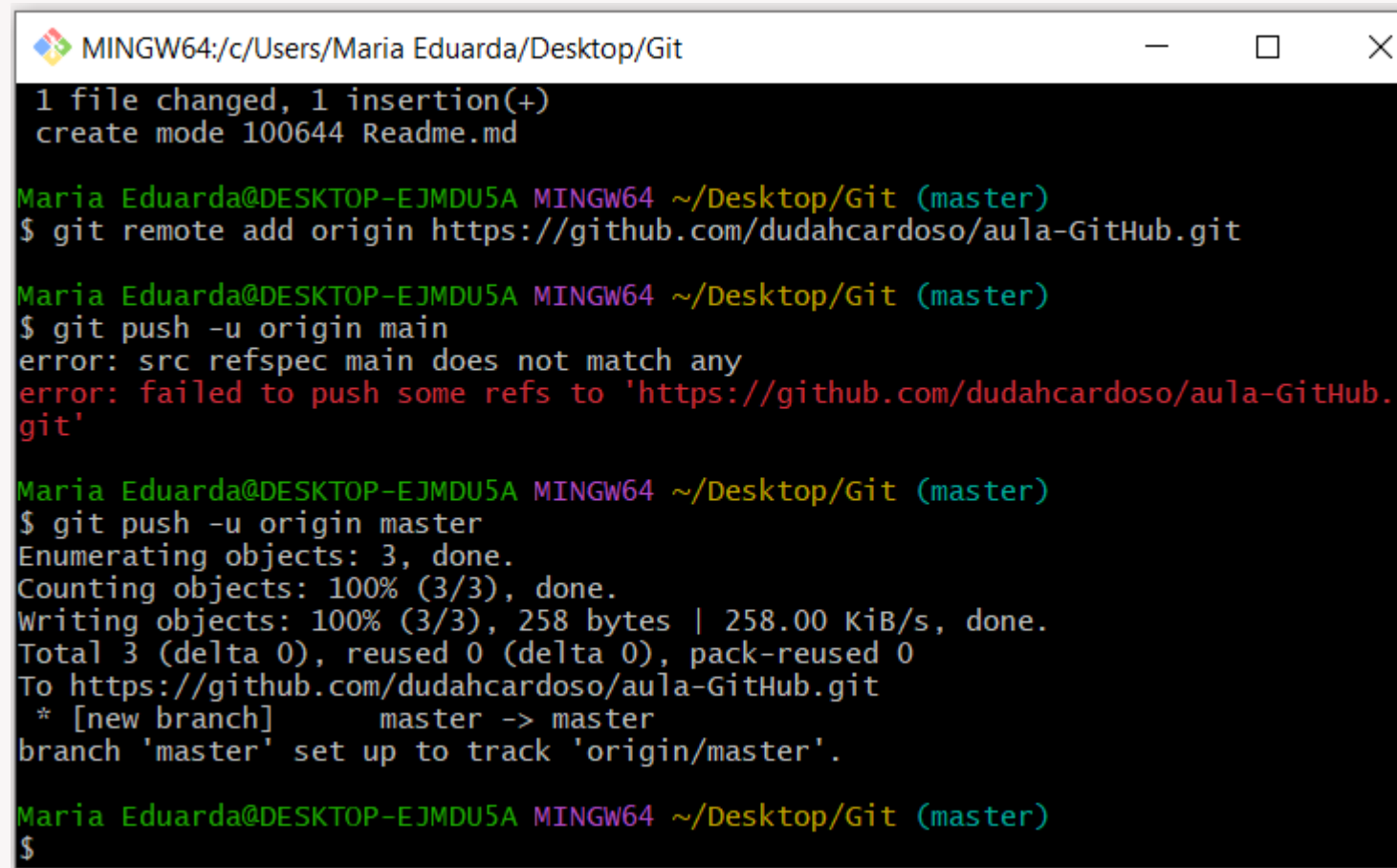
Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~/Desktop/Git (master)
$ git commit -m "iniciando repositório"
[master (root-commit) c87d778] iniciando repositório
1 file changed, 1 insertion(+)
create mode 100644 Readme.md

Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~/Desktop/Git (master)
$ git remote add origin https://github.com/dudahcardoso/aula-GitHub.git

Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~/Desktop/Git (master)
$ |
```

Subir o arquivo

- `git push -u origin main`



```
MINGW64:/c/Users/Maria Eduarda/Desktop/Git
1 file changed, 1 insertion(+)
create mode 100644 Readme.md

Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~/Desktop/Git (master)
$ git remote add origin https://github.com/dudahcardoso/aula-GitHub.git

Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~/Desktop/Git (master)
$ git push -u origin main
error: src refspec main does not match any
error: failed to push some refs to 'https://github.com/dudahcardoso/aula-GitHub.git'

Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~/Desktop/Git (master)
$ git push -u origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 258 bytes | 258.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/dudahcardoso/aula-GitHub.git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.

Maria Eduarda@DESKTOP-EJMDU5A MINGW64 ~/Desktop/Git (master)
$
```

Prontinho

dudahcardoso / aula-GitHub

Public

Pin

Unwatch 1

Fork 0

Star 0

<> Code

Issues

Pull requests

Actions

Projects

Wiki

Security

Insights

Settings

master 1 branch 0 tags

Go to file

Add file

<> Code

ITalents iniciando repositório

c87d778 1 minute ago 1 commit

Readme.md

iniciando repositório

1 minute ago

Readme.md

Olá, aqui falaremos sobre GITHUB

About

No description, website, or topics provided.

Readme

0 stars

1 watching

0 forks

Releases

No releases published

Create a new release

Packages

No packages published

Publish your first package

© 2023 GitHub, Inc.

Terms

Privacy

Security

Status

Docs

Contact GitHub

Pricing

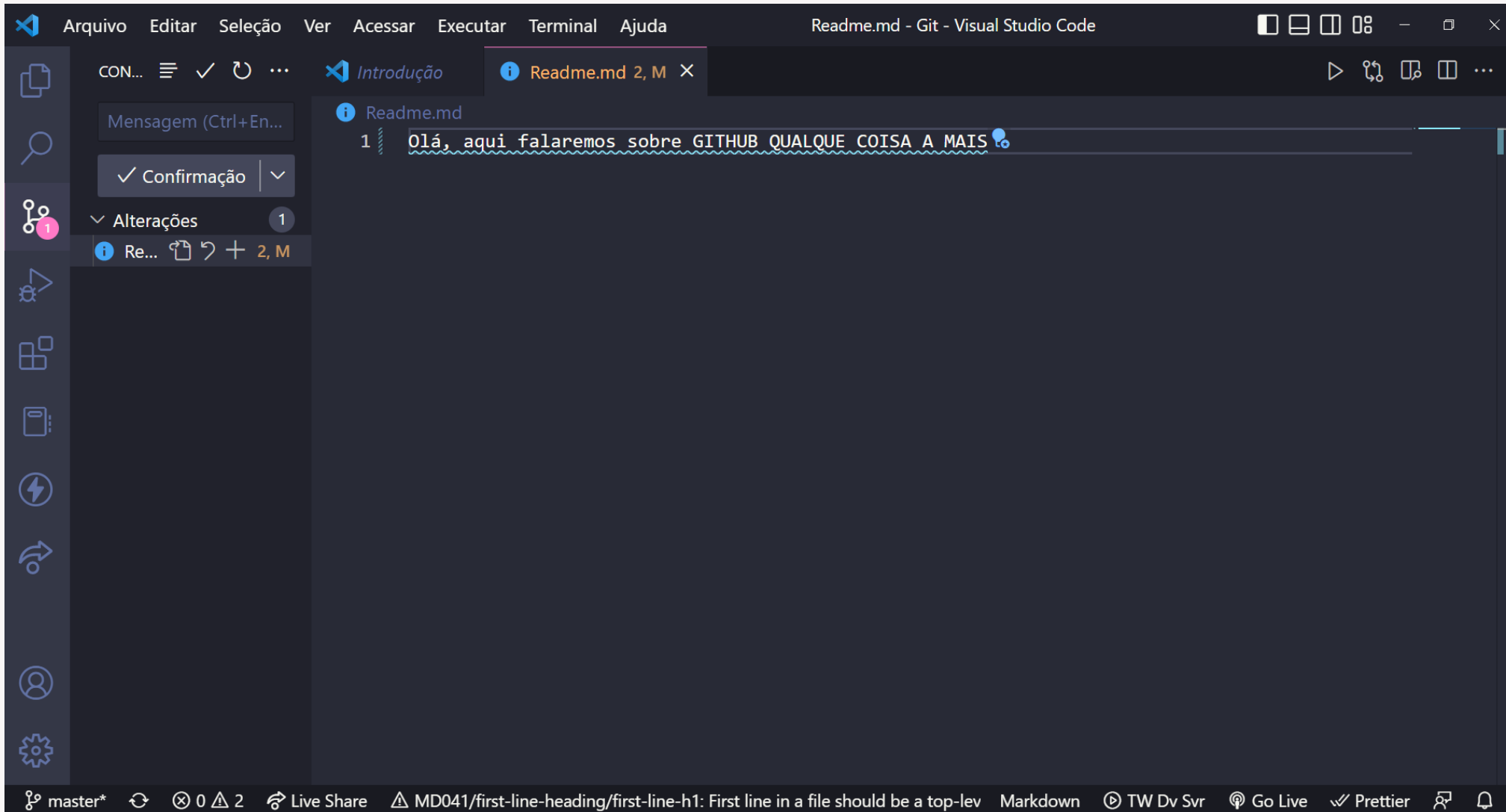
API

Training

Blog

About

Versionamento pelo VsCode




Começando pela criação do repositório

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Owner *

Repository name *


 **dudahcardoso** ▼


 /

Aula-GitHub2 ✓

Great repository names are short and memorable. Need inspiration? How about [improved-dollop](#)?

Description (optional)

☒  **Public**
Anyone on the internet can see this repository. You choose who can commit.

☐  **Private**
You choose who can see and commit to this repository.

Initialize this repository with:
Skip this step if you're importing an existing repository.


☒ **Add a README file**
This is where you can write a long description for your project. [Learn more.](#)


Add .gitignore
Choose which files not to track from a list of templates. [Learn more.](#)

.gitignore template: **Node** ▼

Choose a license
A license tells others what they can and can't do with your code. [Learn more.](#)

License: **GNU General Public ...** ▼

This will set  **main** as the default branch. Change the default name in your [settings](#).

 You are creating a public repository in your personal account.

Create repository

Url do repositório

The screenshot shows the GitHub interface for the repository 'dudahcardoso / Aula-GitHub2'. The repository is public and has 1 branch (main) and 0 tags. The 'Code' dropdown menu is open, showing options to clone the repository using HTTPS, SSH, or GitHub CLI, or to open it with GitHub Desktop or download it as a ZIP file. The repository's README.md file is visible, showing the title 'Aula-GitHub2'. The right sidebar contains sections for 'About', 'Releases', and 'Packages', all of which are currently empty.

Repository Information:

- Repository: [dudahcardoso / Aula-GitHub2](#) (Public)
- Buttons: Pin, Unwatch (1), Fork
- Navigation: Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, Settings

Repository Content:

- Branch: main (1 branch), Tags: 0 tags
- Files:
 - `.gitignore` (Initial commit)
 - `LICENSE` (Initial commit)
 - `README.md` (Initial commit)
- README.md content:

Aula-GitHub2

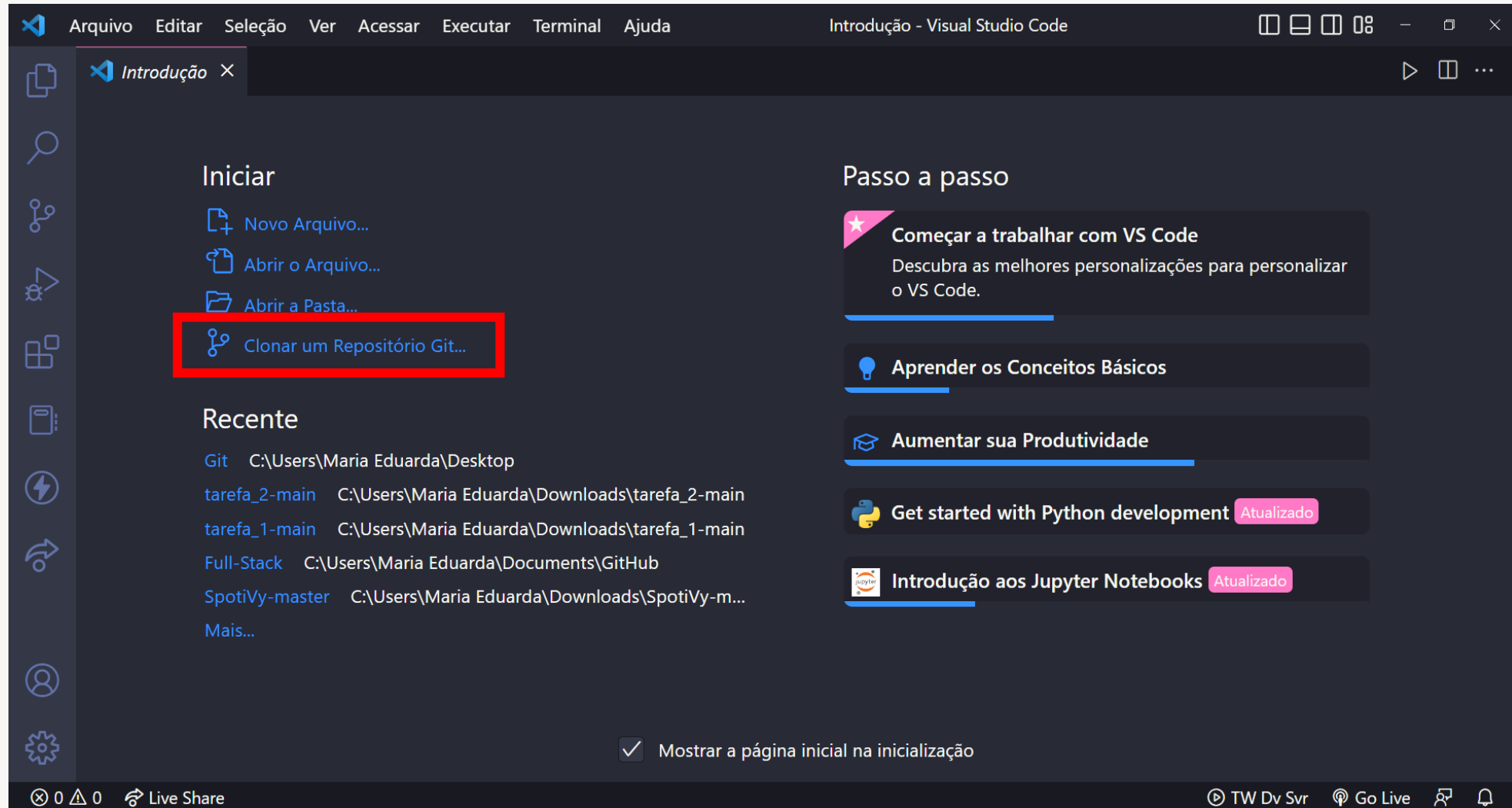
Code Dropdown Menu:

- Local
- Codespaces (New)
- Clone
 - HTTPS (selected): <https://github.com/dudahcardoso/Aula-GitHub2>
 - SSH
 - GitHub CLI
- Open with GitHub Desktop
- Download ZIP

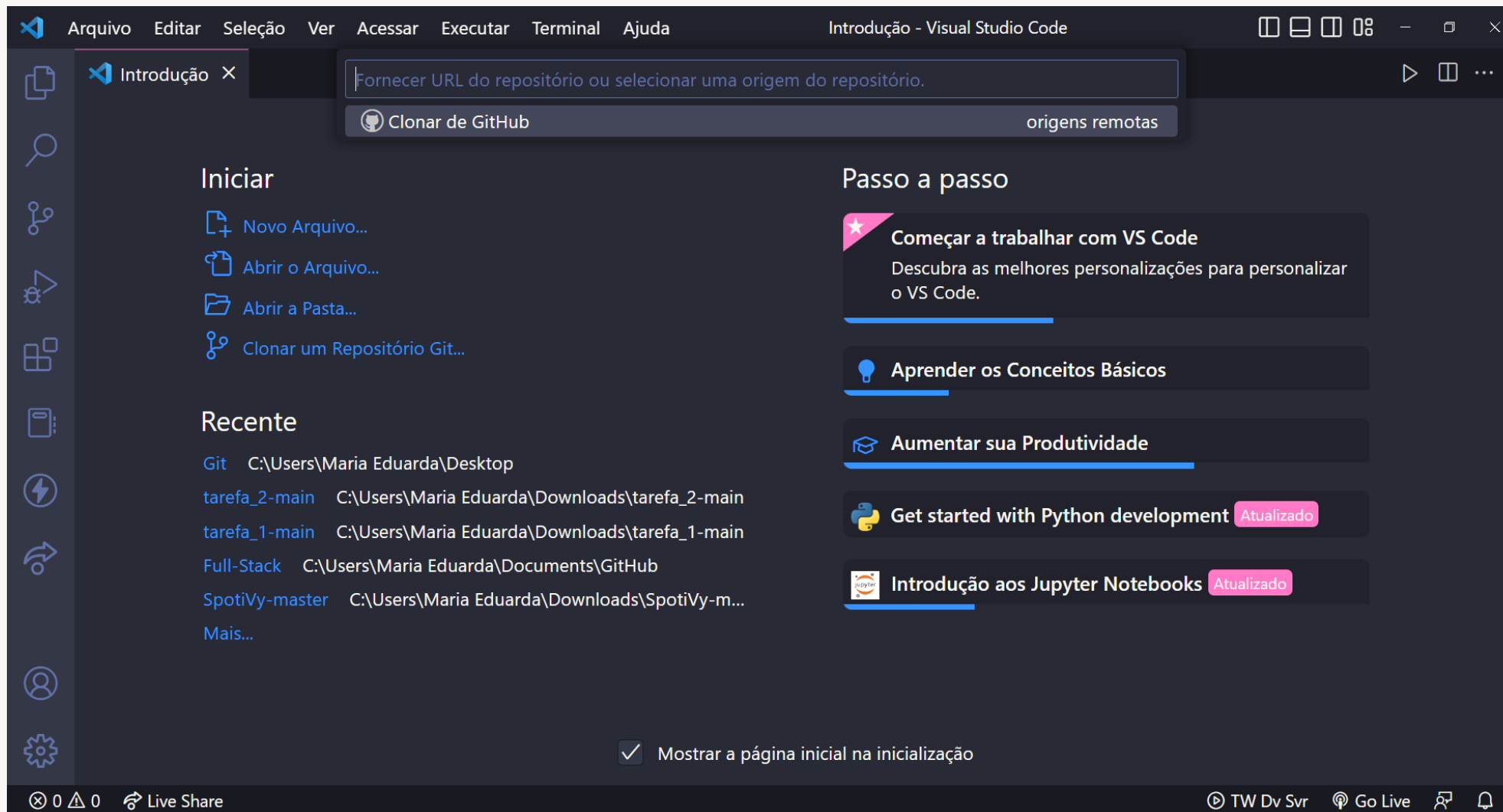
Right Sidebar:

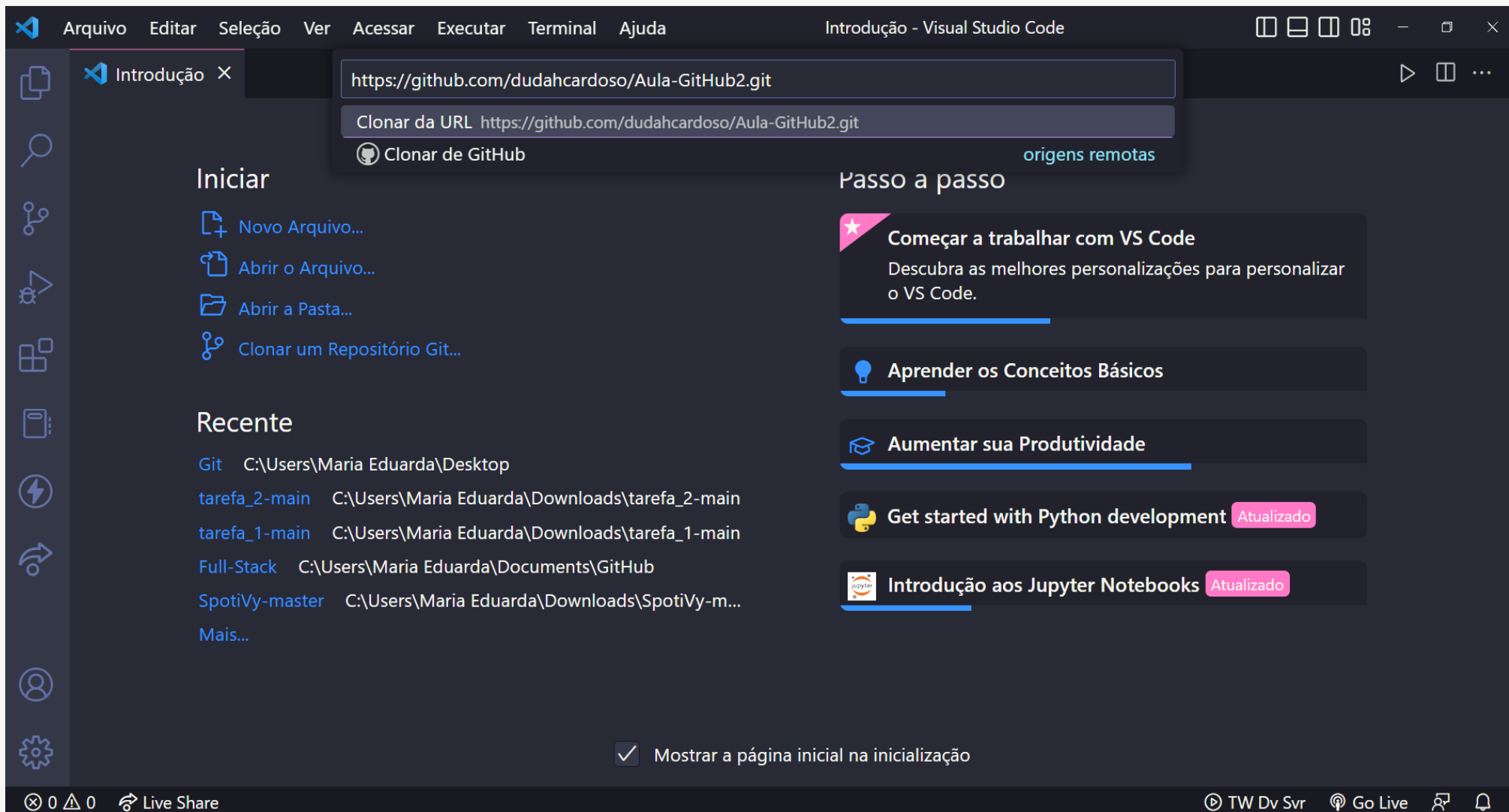
- About:** No description, website, or topics provided.
- Readme:** 0 stars, 1 watching, 0 forks
- Releases:** No releases published. [Create a new release](#)
- Packages:** No packages published. [Publish your first package](#)

Vamos ver esse processo do 0

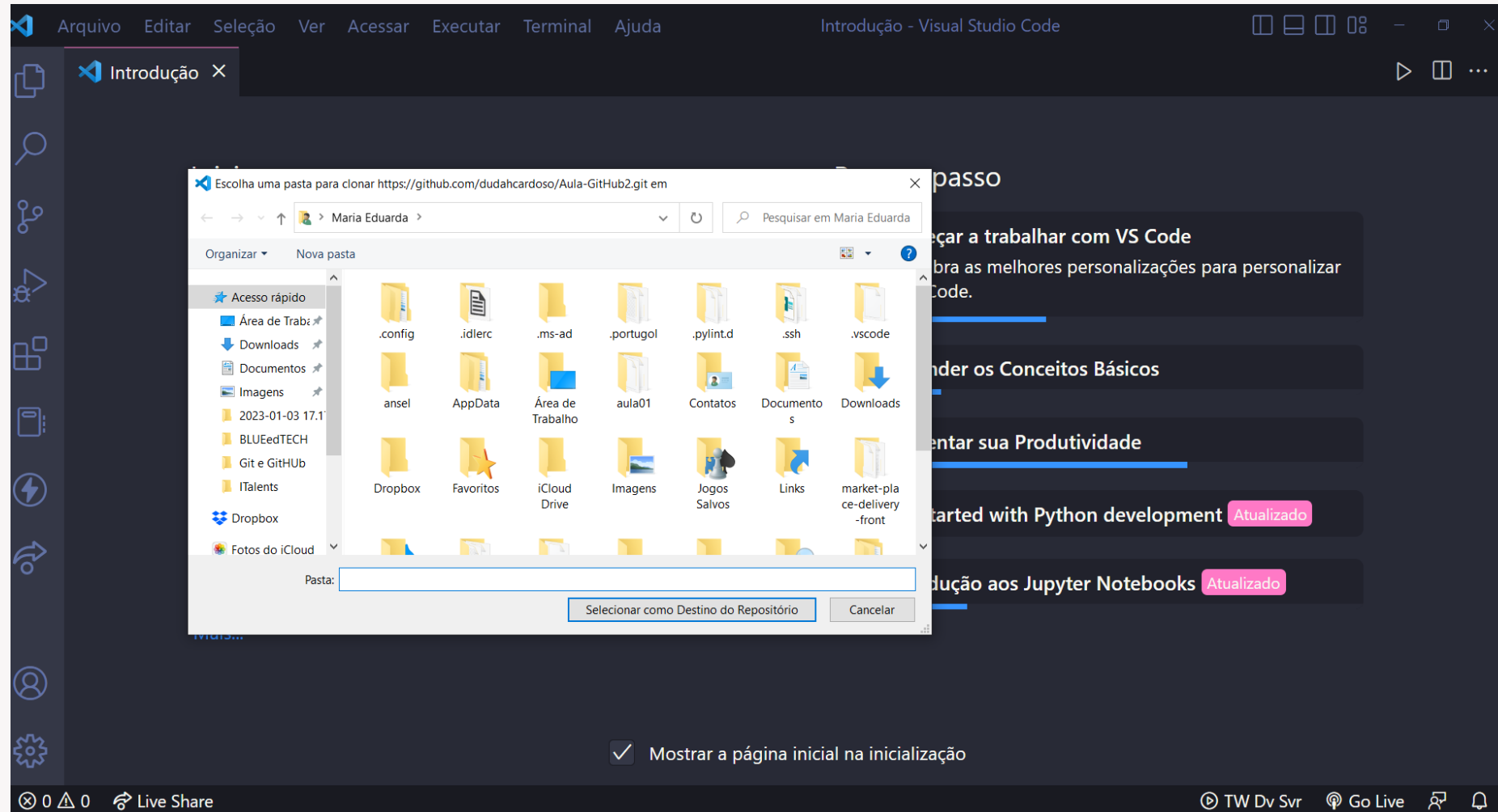


Url do repositório do GitHub

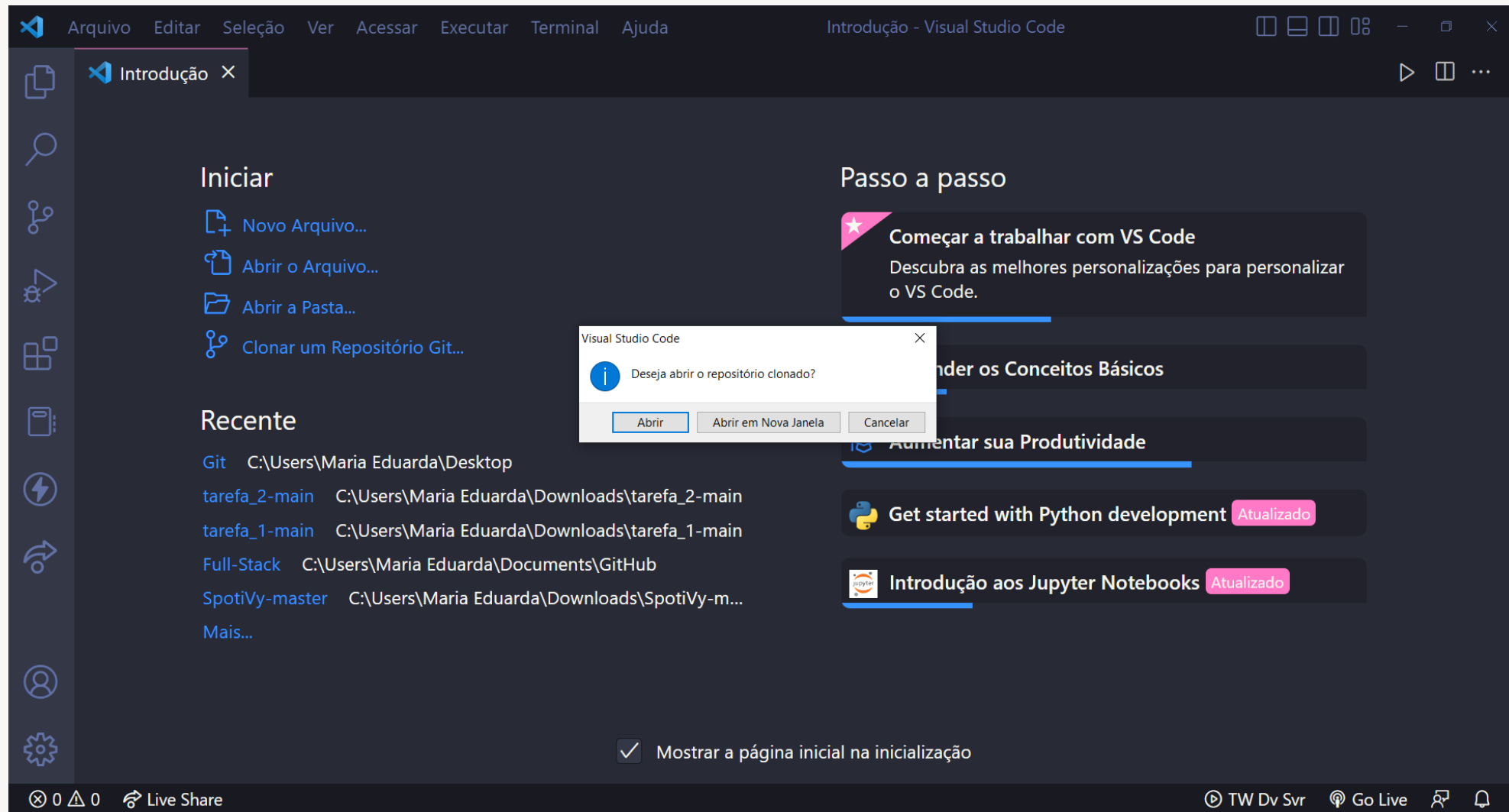




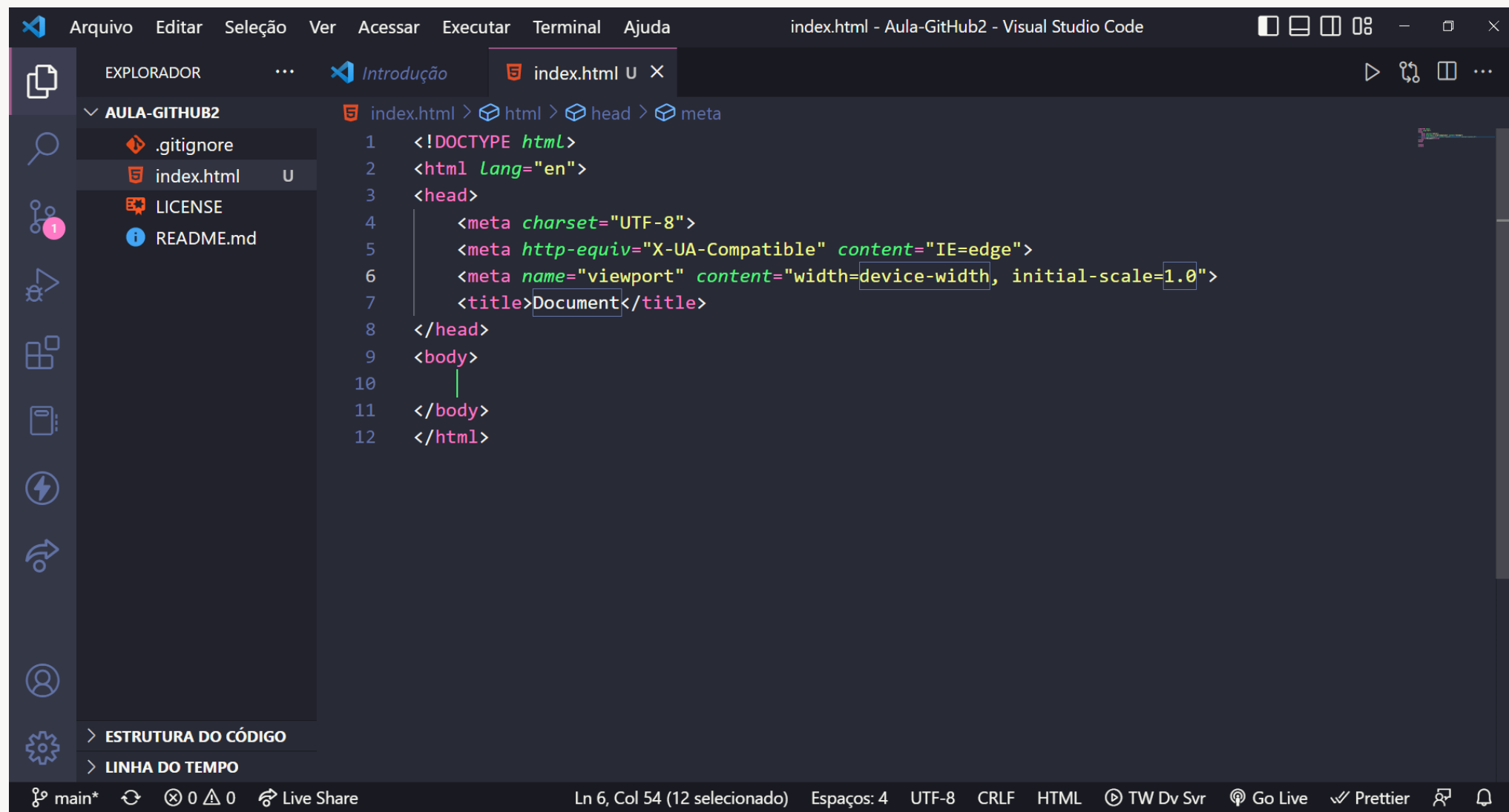
Criar uma pasta local para armazenar esse repositório



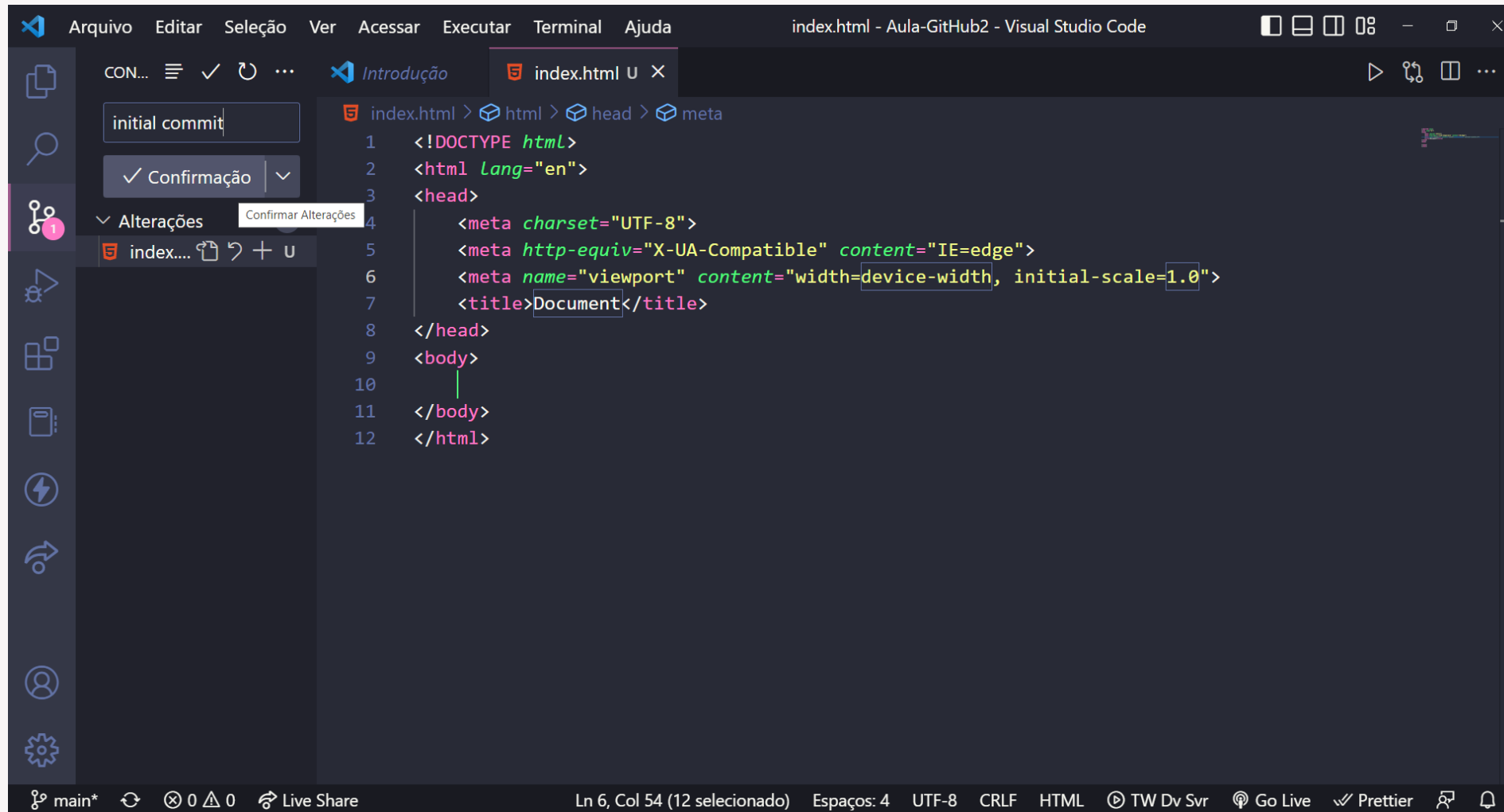
E prontinho



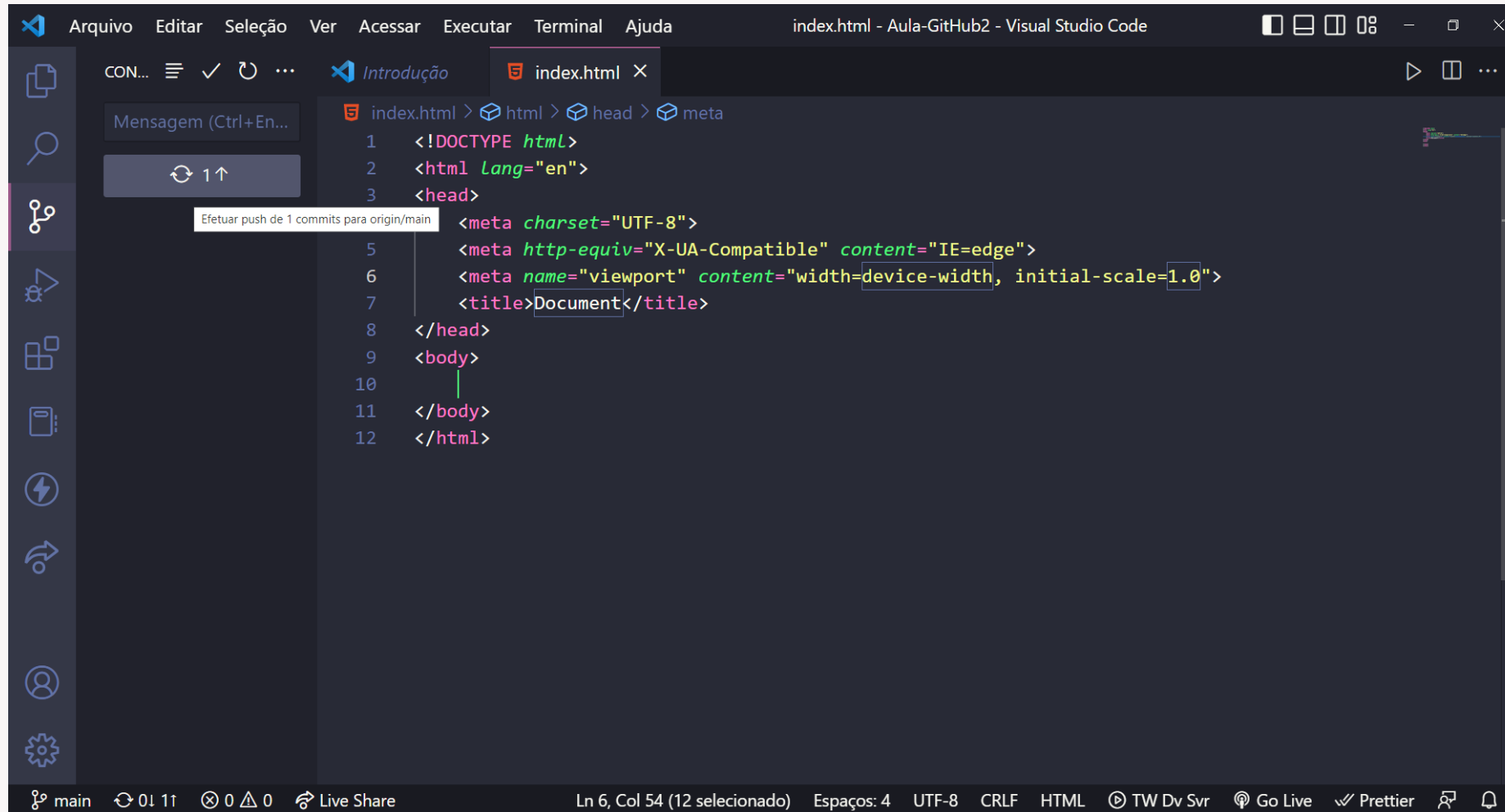
Qualquer alteração no código o VS já avisa



Commit no repositório do GitHub



Efetuar o push do commit




The screenshot shows the Visual Studio Code interface with a dark theme. The top menu bar includes 'Arquivo', 'Editar', 'Seleção', 'Ver', 'Acessar', 'Executar', 'Terminal', and 'Ajuda'. The title bar reads 'index.html - Aula-GitHub2 - Visual Studio Code'. The Explorer sidebar on the left shows a file tree with 'index.html' selected. The Source Control sidebar is open, displaying a commit message input field with the text 'Efetuar push de 1 commits para origin/main' and a '1 ↑' button. The main editor area shows the content of 'index.html', which is an HTML document with the following code:

```
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 status bar at the bottom indicates the current branch is 'main', with 0 commits ahead and 0 behind. It also shows 'Live Share' and various editor settings like 'Ln 6, Col 54 (12 selecionado)', 'Espaços: 4', 'UTF-8', 'CRLF', 'HTML', 'TW Dv Svr', 'Go Live', 'Prettier', and a bell icon.

FIM

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main 1 branch 0 tags

Go to file

Add file

<> Code

 ITalents initial commit 74467f8 now 2 commits

 .gitignore	Initial commit	4 minutes ago
 LICENSE	Initial commit	4 minutes ago
 README.md	Initial commit	4 minutes ago
 index.html	initial commit	now

README.md

Aula-GitHub2

About

No description, website, or topics provided.

Readme

GPL-3.0 license

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Contributors 2

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 ITalents ITalents

Languages

HTML 100.0%

Obrigado!

