

# **Curso de Git/GitHub - Laboratório Agadê (UFPE)**

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## Tecnologias necessárias



Visual Studio Code

## 1.1 O que é um Sistema de Controle de Versão?



Criar coisas



Correção  
ortográfica



Correção  
gramatical



Alterar cor

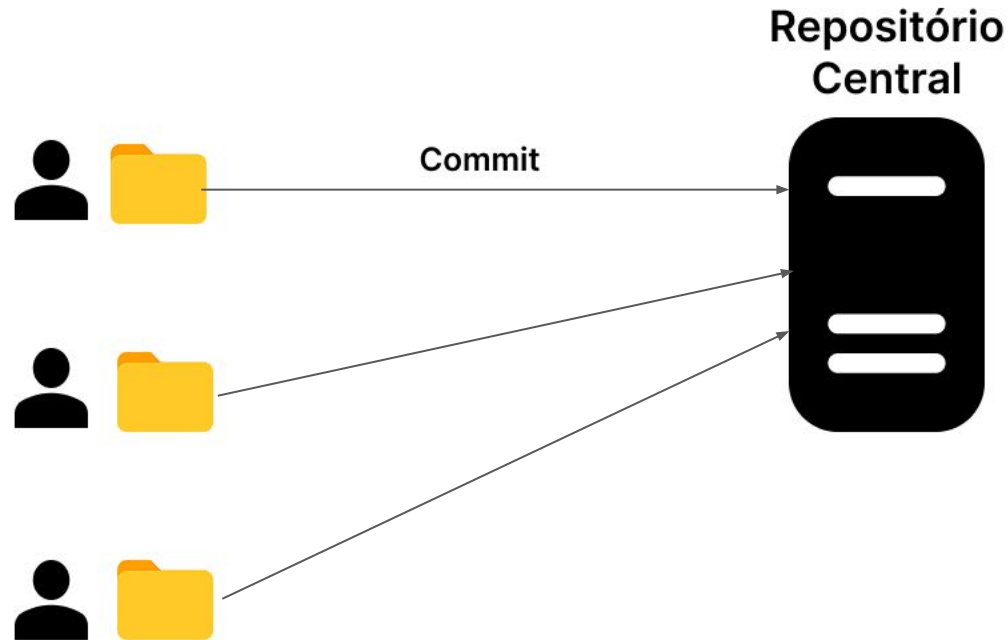


Descrição  
do recurso

Tempo e Versões

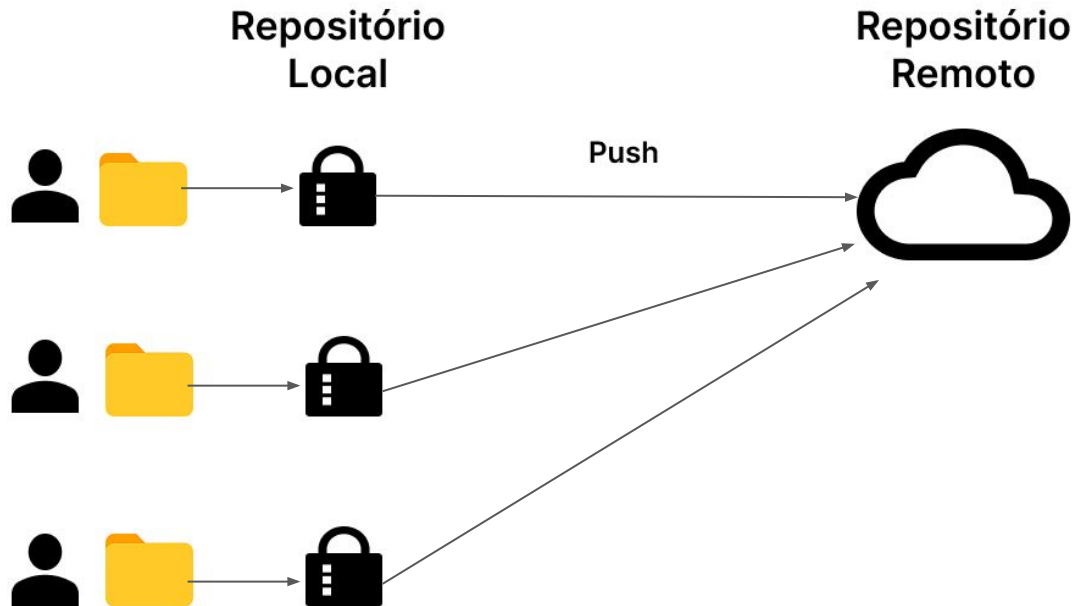
## 1.2 Arquiteturas de Sistemas de Controle de Versão: Centralizado

### Centralizado

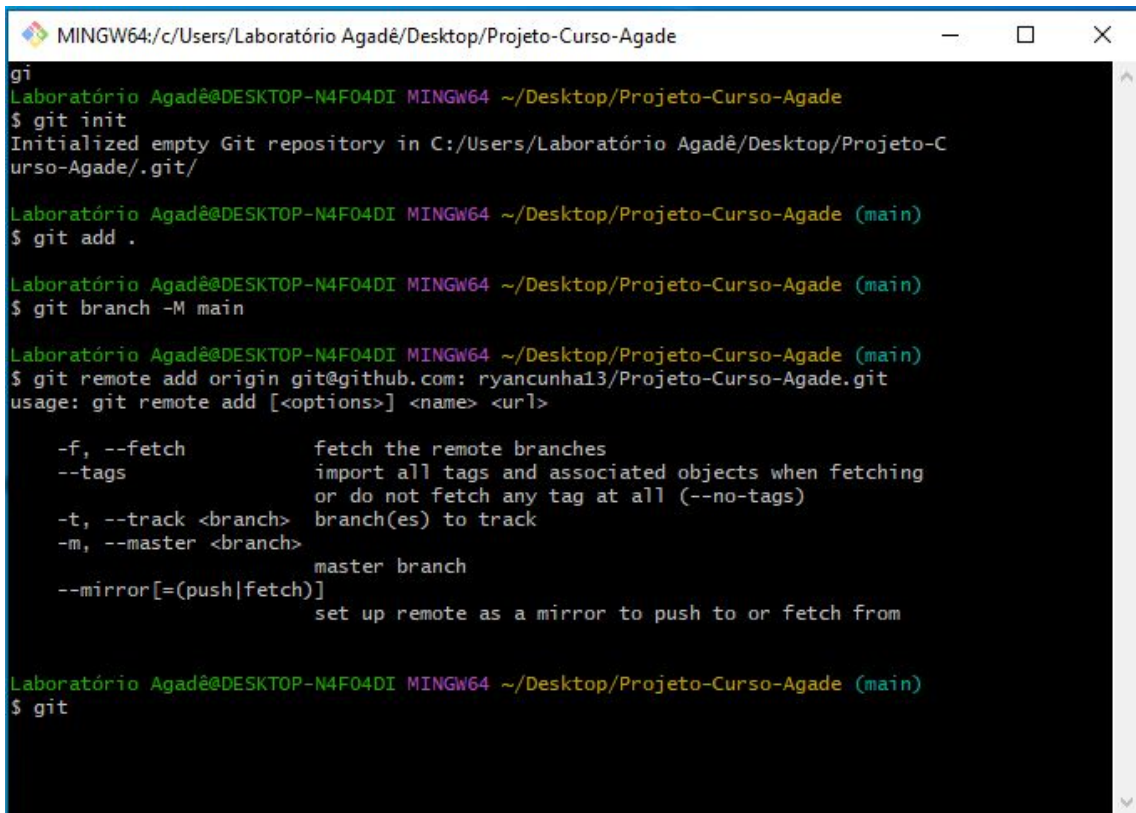


## 1.3 Arquiteturas de Sistemas de Controle de Versão: Distribuído

### Distribuído



## 1.4 O que é o Git?



```

MINGW64:/c/Users/Laboratório Agadê/Desktop/Projeto-Curso-Agade
gi
Laboratório Agadê@DESKTOP-N4F04DI MINGW64 ~/Desktop/Projeto-Curso-Agade
$ git init
Initialized empty Git repository in C:/Users/Laboratório Agadê/Desktop/Projeto-C
urso-Agade/.git/

Laboratório Agadê@DESKTOP-N4F04DI MINGW64 ~/Desktop/Projeto-Curso-Agade (main)
$ git add .

Laboratório Agadê@DESKTOP-N4F04DI MINGW64 ~/Desktop/Projeto-Curso-Agade (main)
$ git branch -M main

Laboratório Agadê@DESKTOP-N4F04DI MINGW64 ~/Desktop/Projeto-Curso-Agade (main)
$ git remote add origin git@github.com: ryancunha13/Projeto-Curso-Agade.git
usage: git remote add [<options>] <name> <url>

    -f, --fetch                fetch the remote branches
    --tags                    import all tags and associated objects when fetching
                              or do not fetch any tag at all (--no-tags)
    -t, --track <branch>     branch(es) to track
    -m, --master <branch>    master branch
    --mirror[=(push|fetch)]  set up remote as a mirror to push to or fetch from

Laboratório Agadê@DESKTOP-N4F04DI MINGW64 ~/Desktop/Projeto-Curso-Agade (main)
$ git
```

## 2.1 O que é o GitHub?

The screenshot shows the GitHub Dashboard. At the top, there's a navigation bar with a hamburger menu, the GitHub logo, the word "Dashboard", a search bar with the placeholder "Type / to search", and several utility icons. The main content area is divided into three columns. The left column contains "Top Repositories" with a search bar and a list of repositories, including "ryancunha13/projeto", and "Recent activity" with a message about activity links. The middle column has tabs for "For you" (marked Beta) and "Following", with a "Send feedback" link and a "Filter" dropdown. Below the tabs is a "Start writing code" button. The main section is titled "Start a new repository" and explains that a repository contains files, revision history, and discussion. It features a form to create a new repository, with a dropdown for the owner "ryancunha13" and a text input for the repository name. There are two radio button options: "Public" (selected) and "Private". The "Public" option is described as "Anyone on the internet can see this repository", and the "Private" option is described as "You choose who can see and commit to this repository". A green "Create a new repository" button is at the bottom of this section. The right column is titled "Latest changes" and lists recent updates with timestamps: "2 hours ago" for "Dependency Graph, Dependabot Alerts, and...", "4 days ago" for "GitHub Actions – Securing OpenID Connect (OIDC) token...", "4 days ago" for "GitHub Issues & Projects – June 15th update", and "4 days ago" for "Risk and coverage views on the Code Security tab for...". A "View changelog" link is at the bottom of this list. At the very bottom of the page, there's a footer with the text "Introduce yourself with a profile README" and a small note about activating Windows.

Dashboard

Search: Type / to search

Top Repositories

Find a repository...

ryancunha13/projeto

Recent activity

When you take actions across GitHub, we'll provide links to that activity here.

For you **Beta** Following [Send feedback](#) Filter ▾

<> Start writing code

### Start a new repository

A repository contains all of your project's files, revision history, and collaborator discussion.

ryancunha13 /

☐ **Public**  
Anyone on the internet can see this repository

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

[Create a new repository](#)

### Latest changes

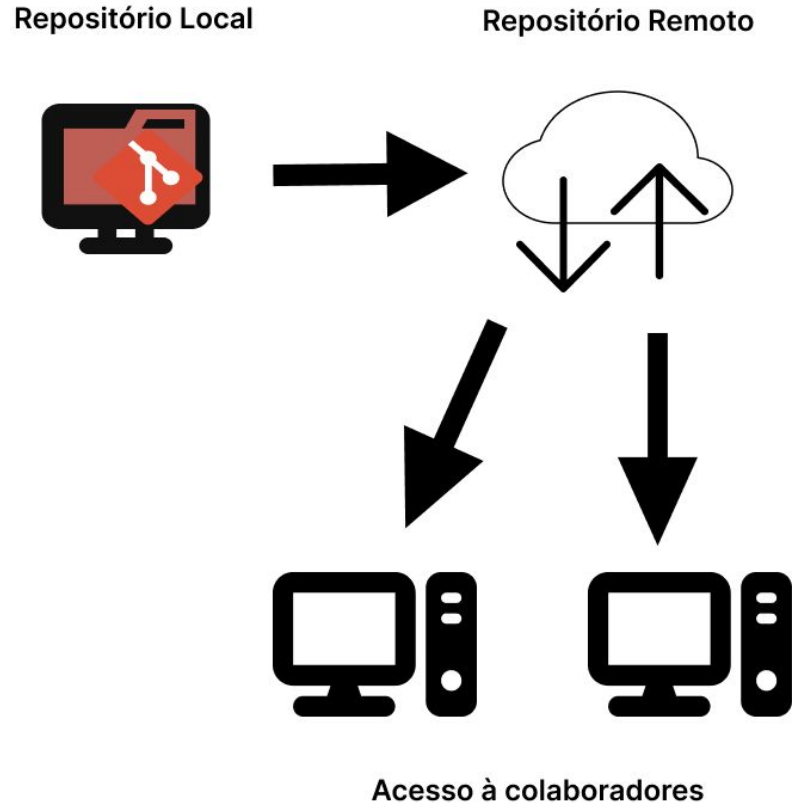
- 2 hours ago  
Dependency Graph, Dependabot Alerts, and...
- 4 days ago  
GitHub Actions – Securing OpenID Connect (OIDC) token...
- 4 days ago  
GitHub Issues & Projects – June 15th update
- 4 days ago  
Risk and coverage views on the Code Security tab for...

[View changelog](#) →

Introduce yourself with a profile README

Ativar o Windows  
Acesse Configurações para ativar o Windows.

## 2.2 Para que serve um repositório compartilhado





## 2.3 Funcionamento do Git/GitHub

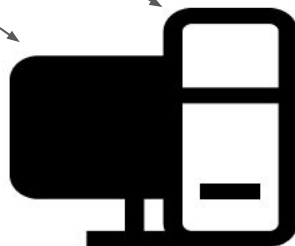
Repositório remoto



Clone

Pull

Push



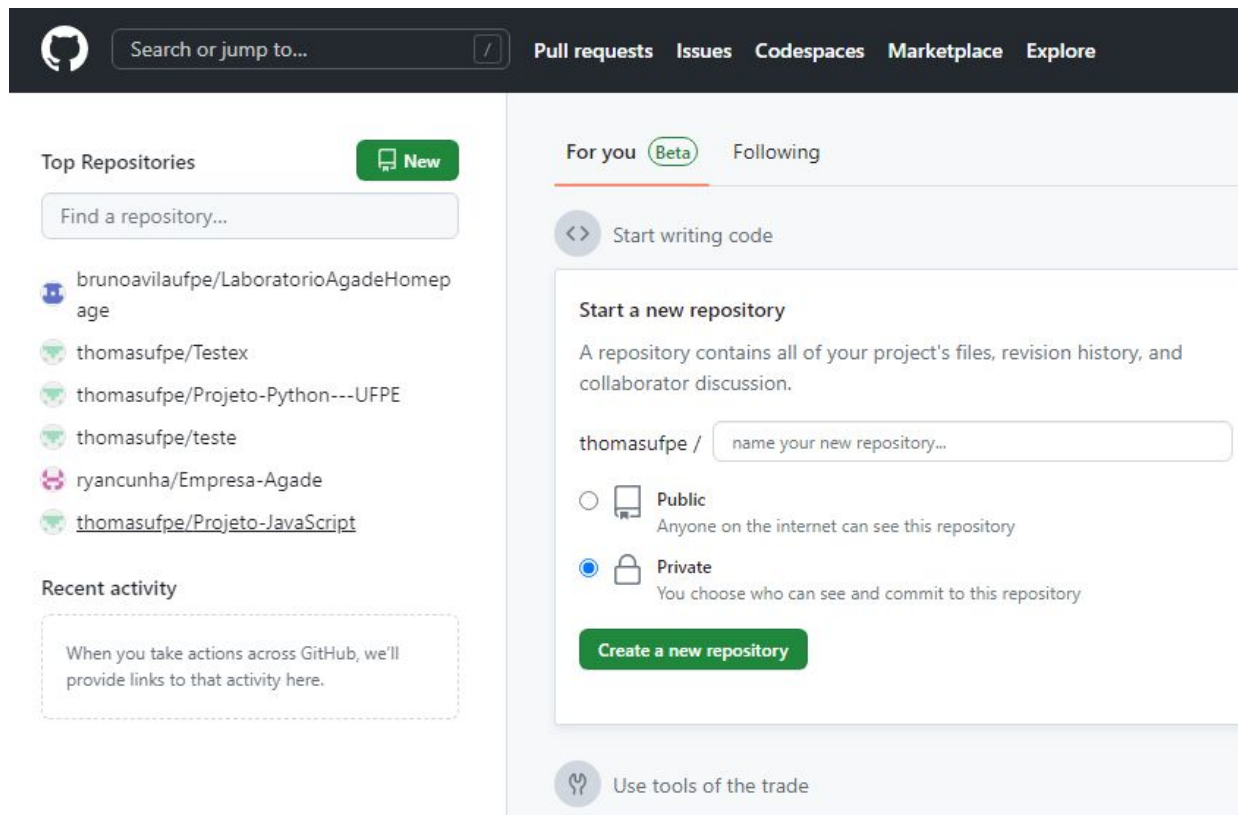
Repositório local

Arquivo



Commit

## 3.1 Como criar um repositório no site do GitHub



The screenshot shows the GitHub homepage. At the top is a dark navigation bar with the GitHub logo, a search bar, and links for Pull requests, Issues, Codespaces, Marketplace, and Explore. The main content area is divided into two columns. The left column has a 'Top Repositories' section with a 'New' button and a search bar, followed by a list of repositories including 'brunoavilaufpe/LaboratorioAgadeHomepage', 'thomasufpe/Testex', 'thomasufpe/Projeto-Python---UFPE', 'thomasufpe/teste', 'ryancunha/Empresa-Agade', and 'thomasufpe/Projeto-JavaScript'. Below this is a 'Recent activity' section with a dashed border and text explaining that links to activity will be provided. The right column has tabs for 'For you' (selected) and 'Following'. Under 'For you', there is a 'Start writing code' button and a 'Start a new repository' section. This section includes a description of a repository, a text input field for the repository name (pre-filled with 'thomasufpe /'), and two radio button options: 'Public' (selected) and 'Private'. At the bottom of this section is a green 'Create a new repository' button. At the very bottom of the right column is a 'Use tools of the trade' button.

Search or jump to... / Pull requests Issues Codespaces Marketplace Explore

Top Repositories **New**

Find a repository...

- brunoavilaufpe/LaboratorioAgadeHomepage
- thomasufpe/Testex
- thomasufpe/Projeto-Python---UFPE
- thomasufpe/teste
- ryancunha/Empresa-Agade
- thomasufpe/Projeto-JavaScript

Recent activity

When you take actions across GitHub, we'll provide links to that activity here.

For you **Beta** Following

<> Start writing code

**Start a new repository**

A repository contains all of your project's files, revision history, and collaborator discussion.

thomasufpe / name your new repository...

☐ **Public**  
Anyone on the internet can see this repository

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

**Create a new repository**

Use tools of the trade

## 3.2 Como criar um repositório no GitHub Desktop

Create a new repository

Name  
repository name

Description

Local path  
C:\Users\Laboratório Agadê\Desktop Choose...

☐ Initialize this repository with a README

Git ignore  
None

License  
None

Create repository Cancel

Publish repository

GitHub.com GitHub Enterprise

Name  
privado

Description  
teste

☒ Keep this code private

Publish repository Cancel

## 4.1 Realizando e entendendo o commit

### No local changes

There are no uncommitted changes in this repository. Here are some friendly suggestions for what to do next.



Open the repository in your external editor

Select your editor in [Options](#)

Repository menu or **Ctrl** **Shift** **A**

Open in Visual Studio Code

View the files of your repository in Explorer

Repository menu or **Ctrl** **Shift** **F**

Show in Explorer

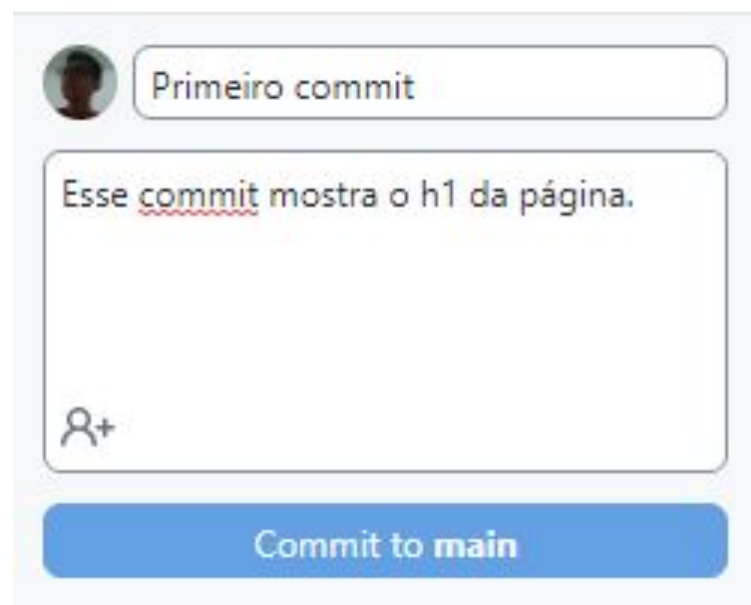
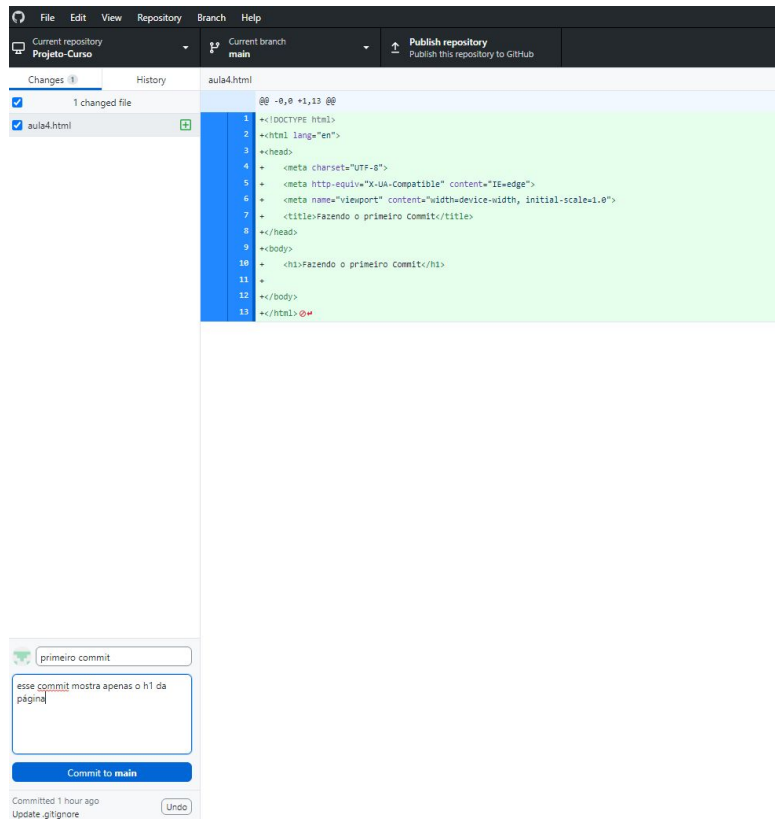
Open the repository page on GitHub in your browser

Repository menu or **Ctrl** **Shift** **G**

View on GitHub

```
teste.html  .gitattributes  aula4.html U x
aula4.html > html > body > h1
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>Fazendo o primeiro Commit</title>
8  </head>
9  <body>
10     <h1>Fazendo o primeiro Commit</h1>
11
12 </body>
13 </html>
```

## 4.2 Realizando e entendendo o commit



## 4.3 Realizando o Push

### No local changes

There are no uncommitted changes in this repository. Here are some friendly suggestions for what to do next.



#### Push commits to the origin remote

You have 1 local commit waiting to be pushed to GitHub.

Always available in the toolbar when there are local commits waiting to be pushed or  
Ctrl P

[Push origin](#)

The screenshot shows the GitHub repository page for 'thomasufpe / Projeto-Curso'. The repository is private and has 1 unwatched repository. The main branch is 'main', and there are 2 branches and 0 tags. A notification states 'Your main branch isn't protected' with a 'Protect this branch' button. The commit history shows 9 commits, with the latest commit 'thomasufpe Merge branch 'dev'' from 39 minutes ago. The commit list includes files like 'Logo', '.gitattributes', '.gitignore', 'README.md', and 'aula4.html'.

File	Commit Message	Time Ago
Logo	Merge branch 'dev'	39 minutes ago
.gitattributes	Initial commit	2 hours ago
.gitignore	Update .gitignore	2 hours ago
README.md	Initial commit	2 hours ago
aula4.html	terceiro commit	1 hour ago

### 4.4 Adicionando um novo membro

thomasufpe / Projeto-Curso Private

Unwatch 1 Fork

<> Code Issues Pull requests Actions Projects Security Insights **Settings**

General

Access

**Collaborators**

Code and automation

Branches

Tags

Rules Beta

Actions

Webhooks

Codespaces

Pages

Security

Code security and analysis

Deploy keys

Secrets and variables

Integrations

GitHub Apps

Email notifications

Who has access

PRIVATE REPOSITORY


Only those with access to this repository can view it.

Manage

DIRECT ACCESS

0 collaborators have access to this repository. Only you can contribute to this repository.

Manage access



You haven't invited any collaborators yet

Add people

### 4.5 Copiando o link de clonagem do projeto no GitHub

The screenshot shows the GitHub interface for the repository 'thomasufpe / Projeto-Curso'. The repository is private and has 1 branch and 0 tags. The 'Code' dropdown menu is open, showing options to clone the repository using HTTPS, SSH, or GitHub CLI. The HTTPS URL is 'https://github.com/thomasufpe/Projeto-Curso.g'. The menu also includes options to 'Open with GitHub Desktop' and 'Download ZIP'. The repository's README is visible, showing the title 'Projeto-Curso' and the description 'Repositório teste para o curso.'.

thomasufpe / Projeto-Curso Private

Watch 1 Fork 0 Star 0

<> Code Issues Pull requests Actions Projects Security Insights

main 1 branch 0 tags

Go to file Add file <> Code

Local Codespaces

Clone

HTTPS SSH GitHub CLI

https://github.com/thomasufpe/Projeto-Curso.g

Use Git or checkout with SVN using the web URL.

Open with GitHub Desktop

Download ZIP

About

Repositório teste para o curso.

Readme

0 stars

1 watching

0 forks

Releases

No releases published

Create a new release

Packages

No packages published

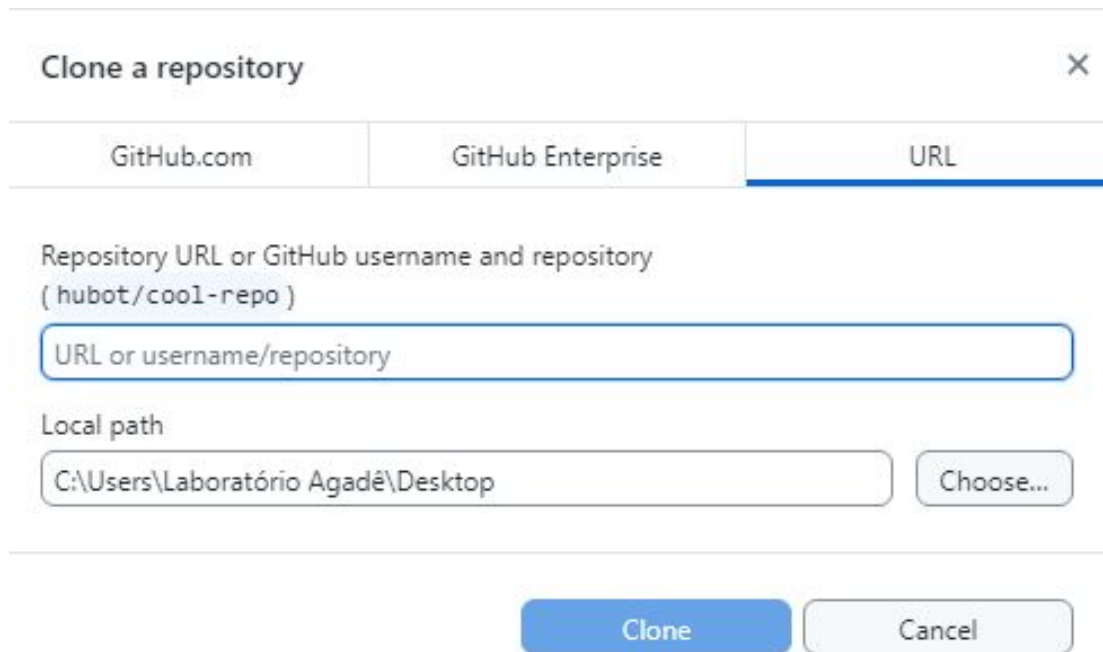
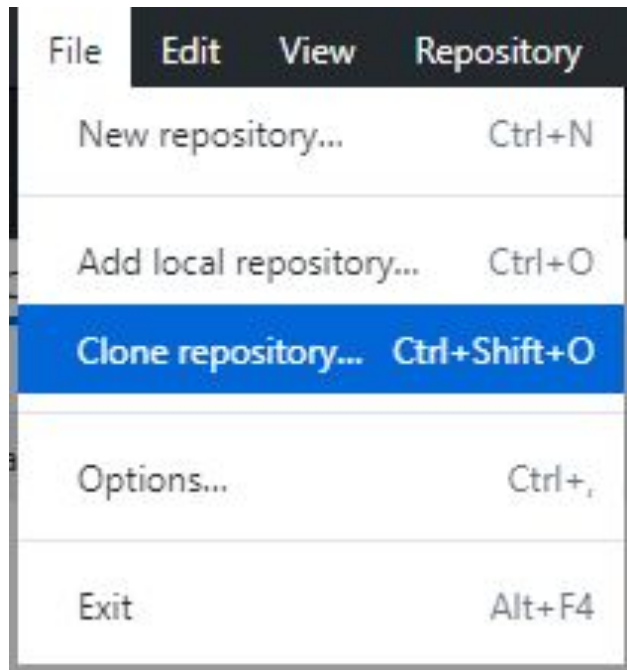
Publish your first package

Languages

HTML 100.0%



## 4.6 Clonando o Projeto



## 4.7 Encontrando o Projeto Clonado

Open the repository in your external editor  
Select your editor in [Options](#)  
Repository menu or `Ctrl + Shift + A`







Open in Visual Studio Code

View the files of your repository in Explorer  
Repository menu or `Ctrl + Shift + F`

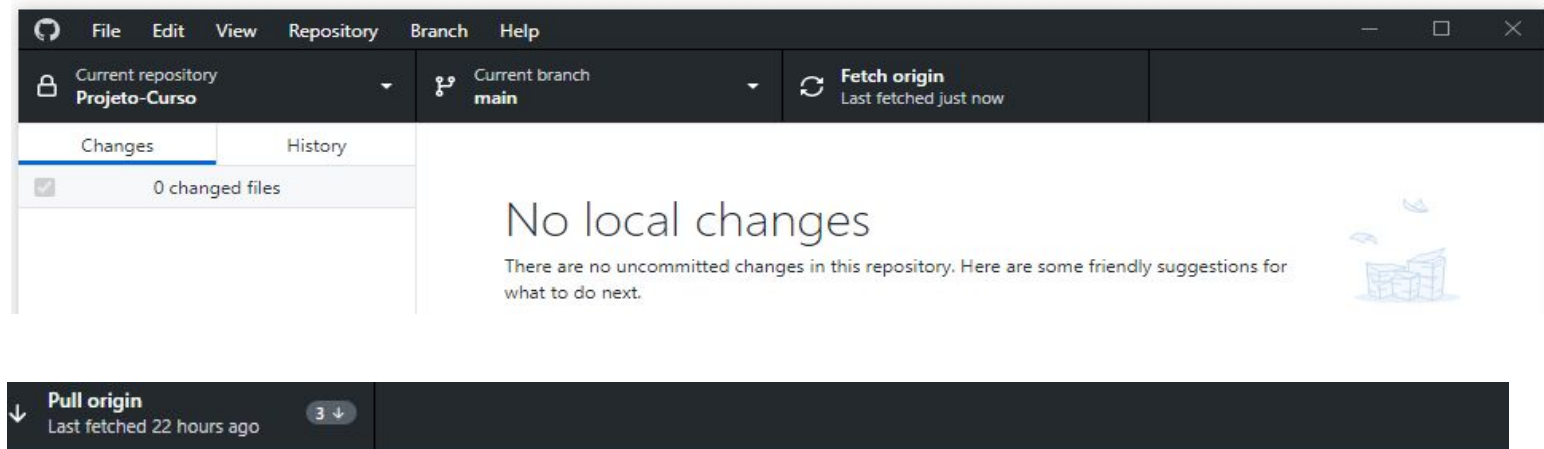
Show in Explorer

Open the repository page on GitHub in your browser  
Repository menu or `Ctrl + Shift + G`

View on GitHub

Nome	Data de modificação	Tipo	Tamanho
 .idea	12/06/2023 15:53	Pasta de arquivos	
 Logo	12/05/2023 17:19	Pasta de arquivos	
 .gitattributes	12/05/2023 17:19	Documento de Te...	1 KB
 .gitignore	12/05/2023 17:19	Documento de Te...	3 KB
 aula4	12/06/2023 18:13	Chrome HTML Do...	1 KB
 README	12/05/2023 17:19	Arquivo Fonte Ma...	1 KB

## 4.8 Realizando o Fetch e o Pull



### No local changes

There are no uncommitted changes in this repository. Here are some friendly suggestions for what to do next.



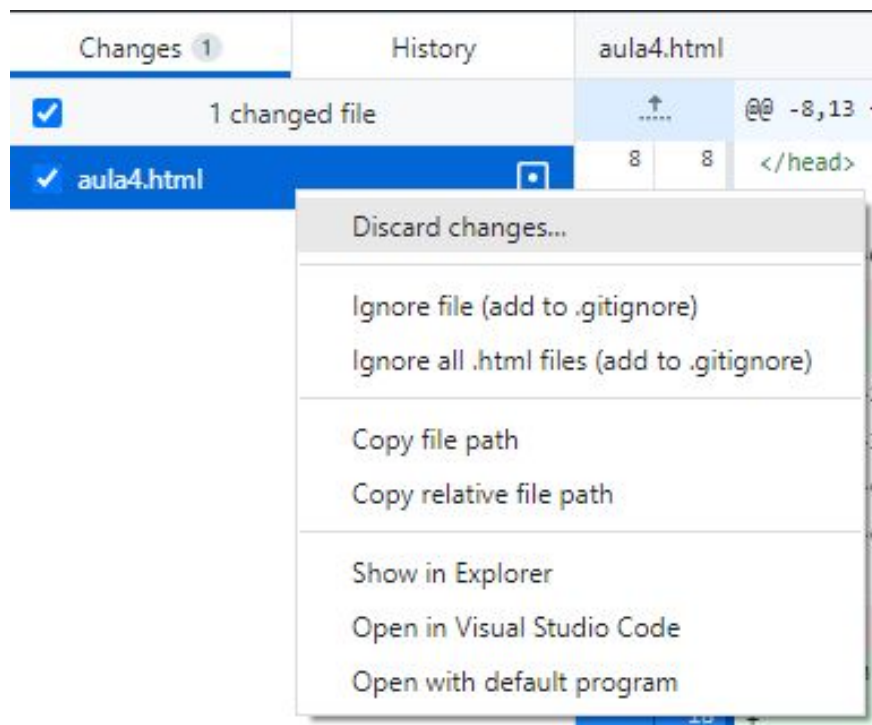
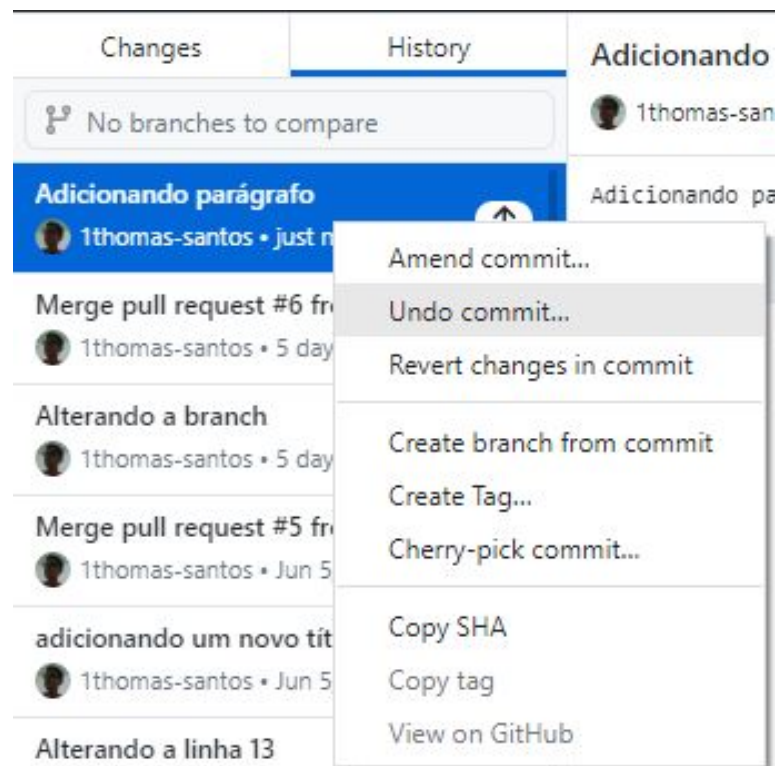
#### Pull 3 commits from the origin remote

The current branch ( main ) has commits on GitHub that do not exist on your machine.

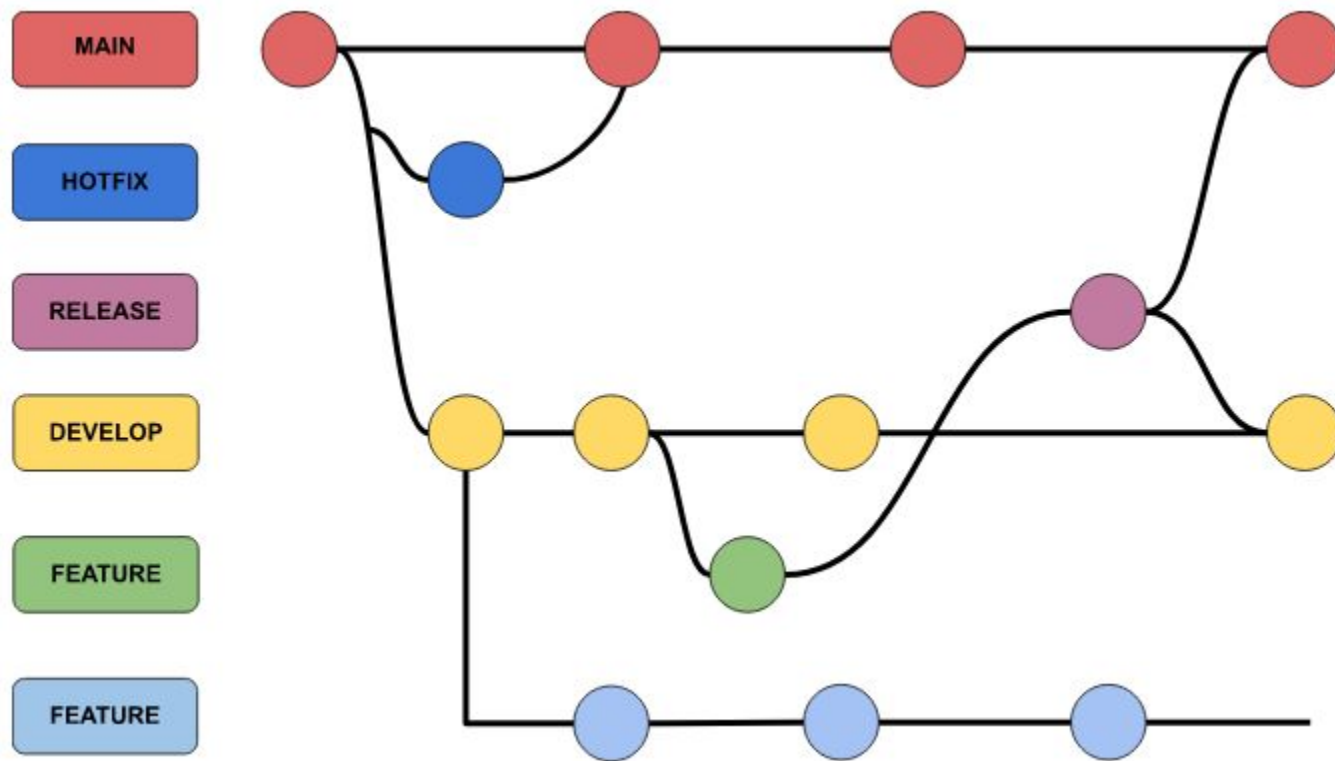
Always available in the toolbar when there are remote changes or `Ctrl Shift P`

**Pull origin**

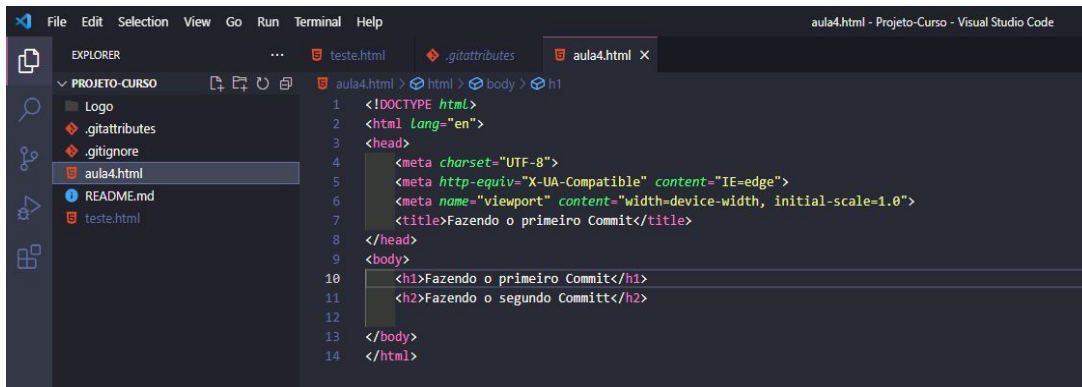
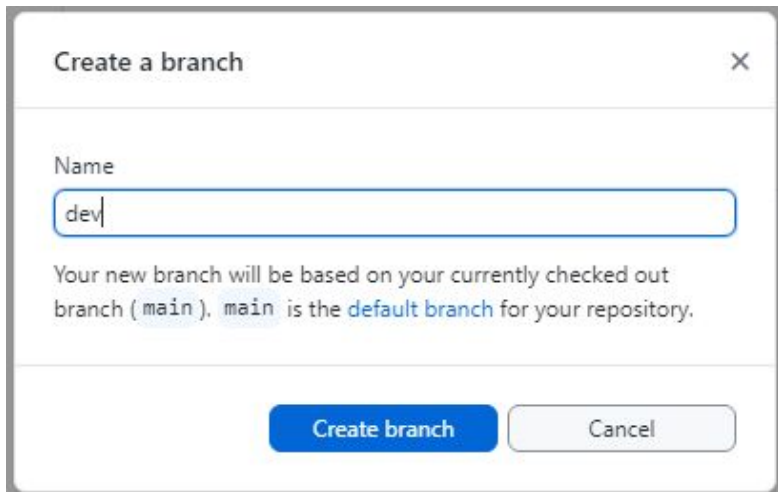
## 4.9 Alterando e revertendo um commit



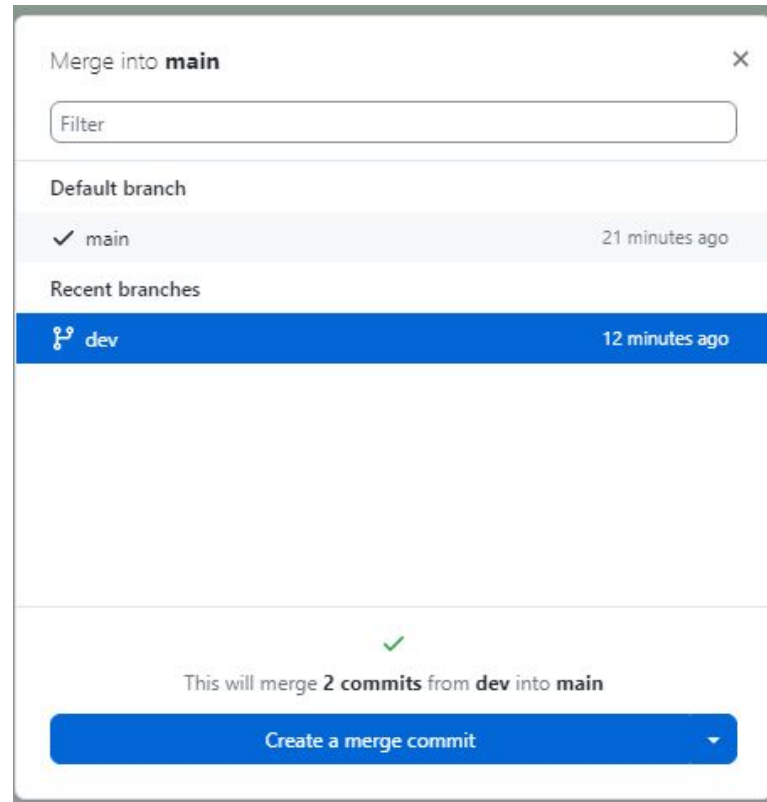
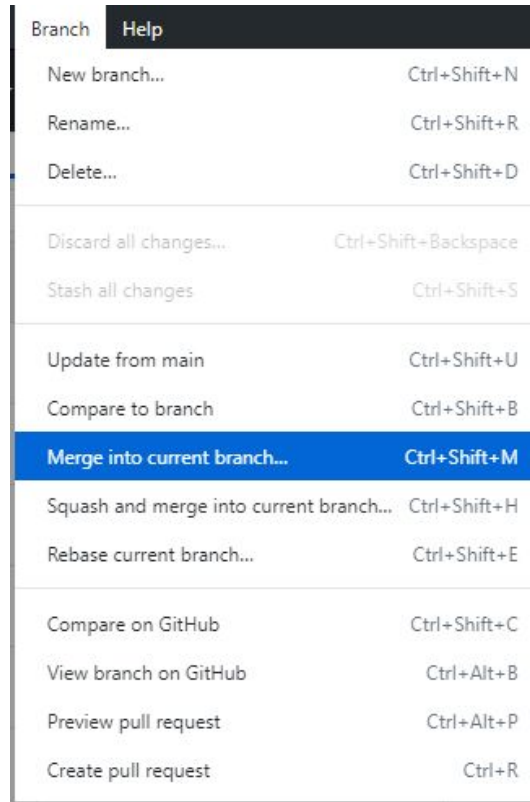
## 5.1 Entendendo uma Branch



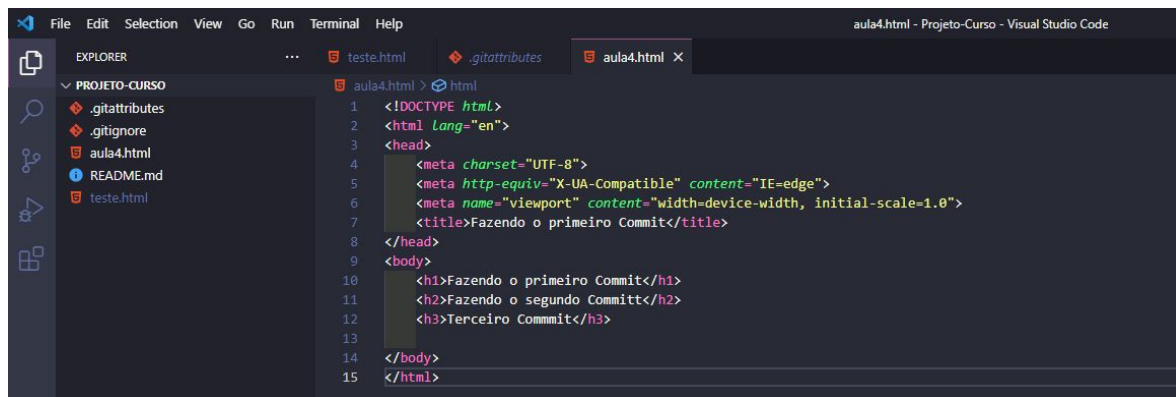
### 5.2 Criando uma nova Branch



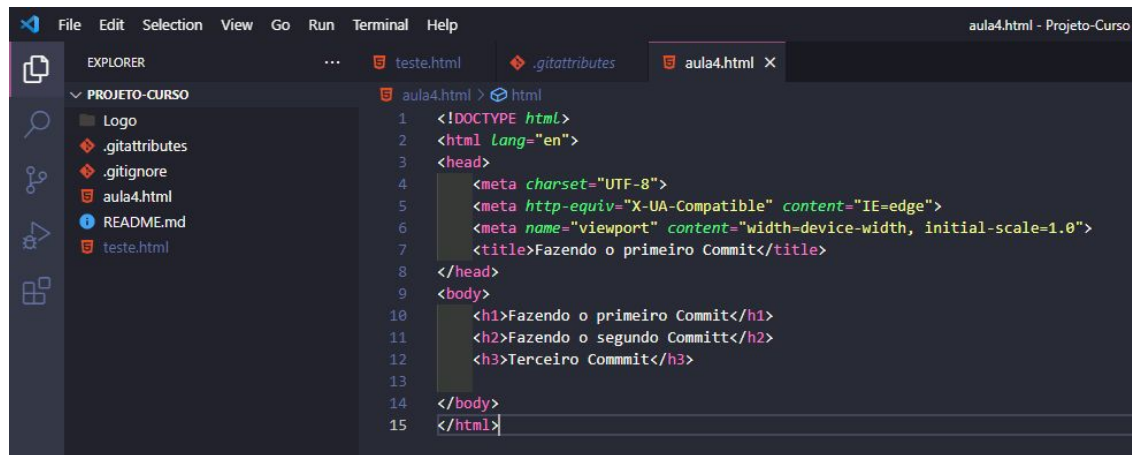
## 5.3 Processo de Merge



## 5.4 Processo de Merge



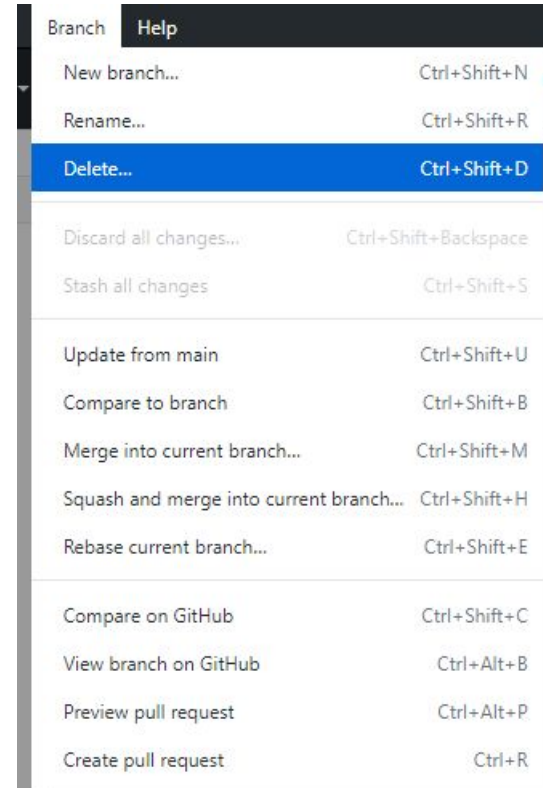
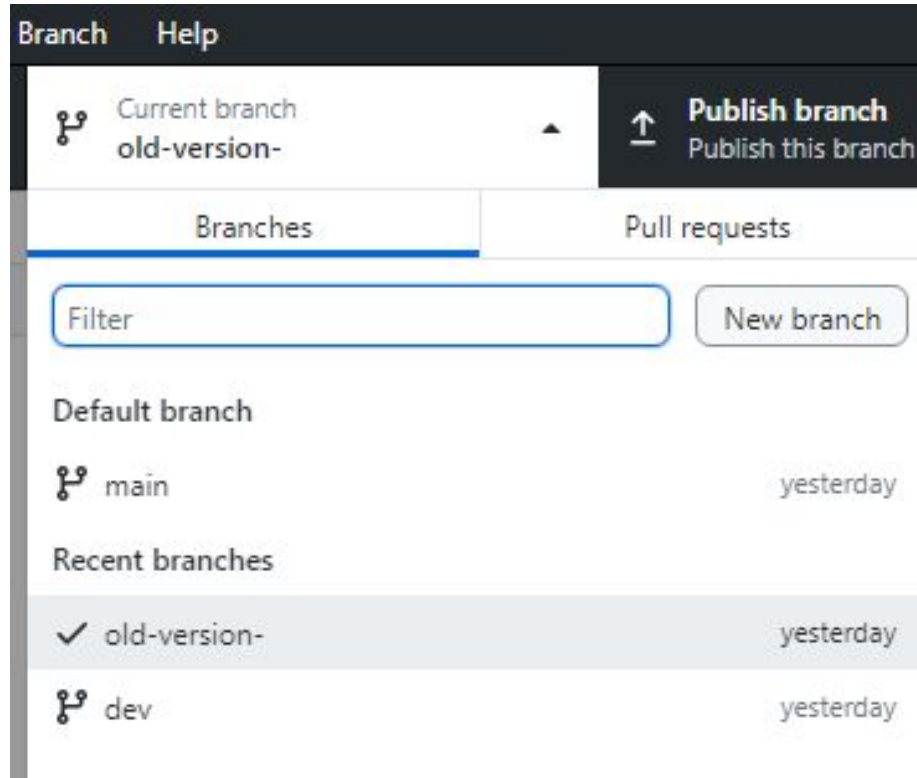
```
1 <!DOCTYPE html>
2 <html Lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>Fazendo o primeiro Commit</title>
8 </head>
9 <body>
10   <h1>Fazendo o primeiro Commit</h1>
11   <h2>Fazendo o segundo Committ</h2>
12   <h3>Terceiro Commit</h3>
13 </body>
14 </html>
```



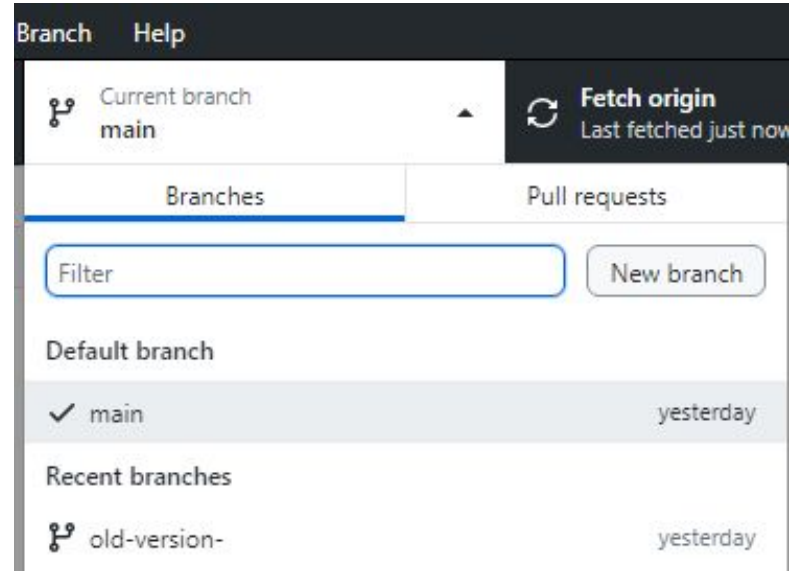
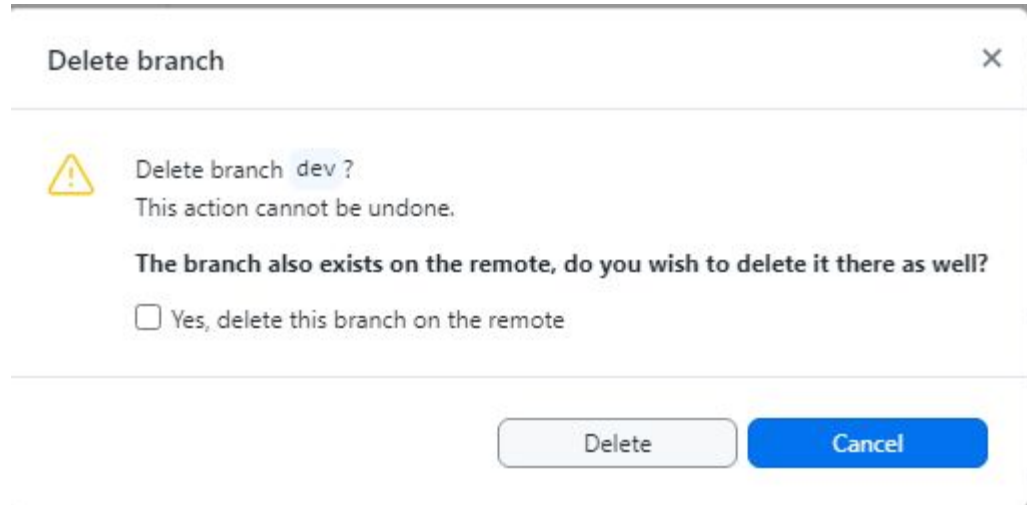
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1 <!DOCTYPE html>
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7   <title>Fazendo o primeiro Commit</title>
8 </head>
9 <body>
10   <h1>Fazendo o primeiro Commit</h1>
11   <h2>Fazendo o segundo Committ</h2>
12   <h3>Terceiro Commit</h3>
13 </body>
14 </html>
```



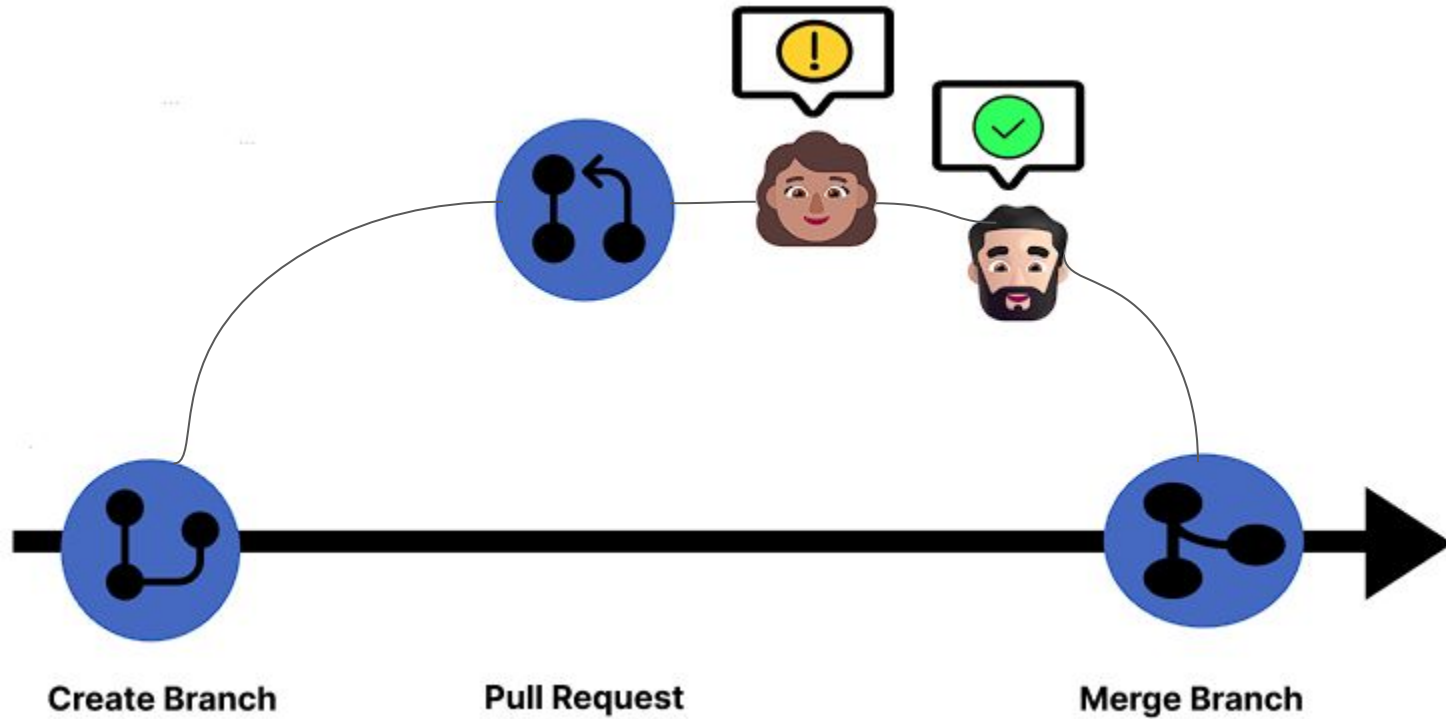
## 5.5 Deletando uma Branch



## 5.6 Deletando uma Branch



## 6.1 O que é um Pull Request?



## 6.2 Criando um pull request no github desktop

Preview the Pull Request from your current branch  
The current branch ( branch-secundaria ) is already published to GitHub. Preview the changes this pull request will have before proposing your changes.  
Branch menu or `Ctrl + Alt + P`

[Preview Pull Request](#)

Open a pull request

Merge 1 commit into `base: main` from `branch-secundaria`.


Showing changes from all commits


aula4.html		↑	@@ -12,6 +12,7 @@ dev2
	12	12	<h2>2 commit</h2>
	13	13	<h3>3 committt</h3>
	14	14	<h4>commit 4</h4>
		15	+ <h5>adicionando um novo título</h5>
	15	16	
	16	17	dev
	17	18	
		↓	

### 6.3 Criando um pull request no github

#### Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#).











 base: main ← compare: branch-secundaria ✓ Able to merge. These branches can be automatically merged.




Solicitando o merge da branch secundaria para a main branch

Write

Preview

H B I          

Leave a comment

Attach files by dragging & dropping, selecting or pasting them. 

Create pull request

## 6.4 Realizando o merge

Add more commits by pushing to the `branch-secundaria` branch on `thomasufpe/Projeto-Curso`.



Your protected branch rules for your **main** branch won't be enforced on this private repository until you move to a GitHub Team or Enterprise organization account.



**This branch has no conflicts with the base branch**

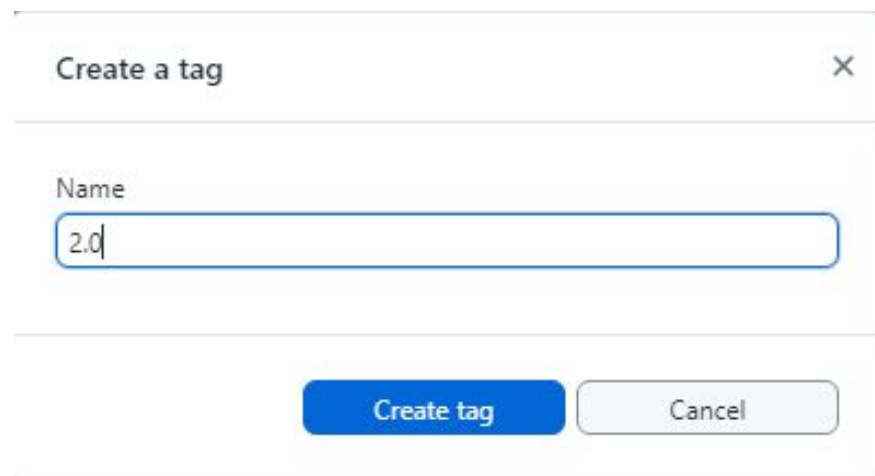
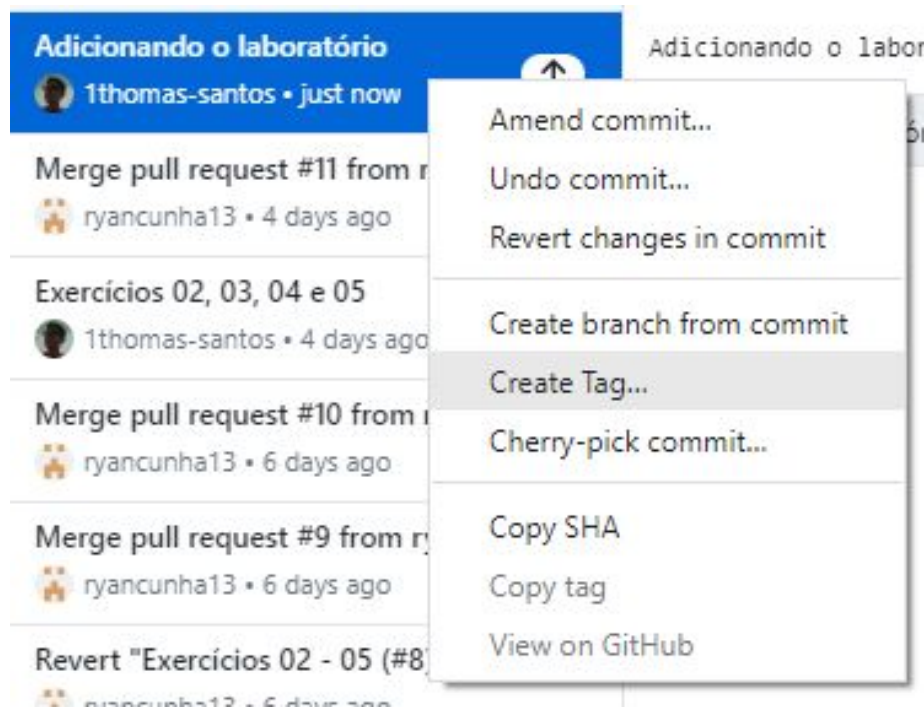
Merging can be performed automatically.

**Merge pull request**

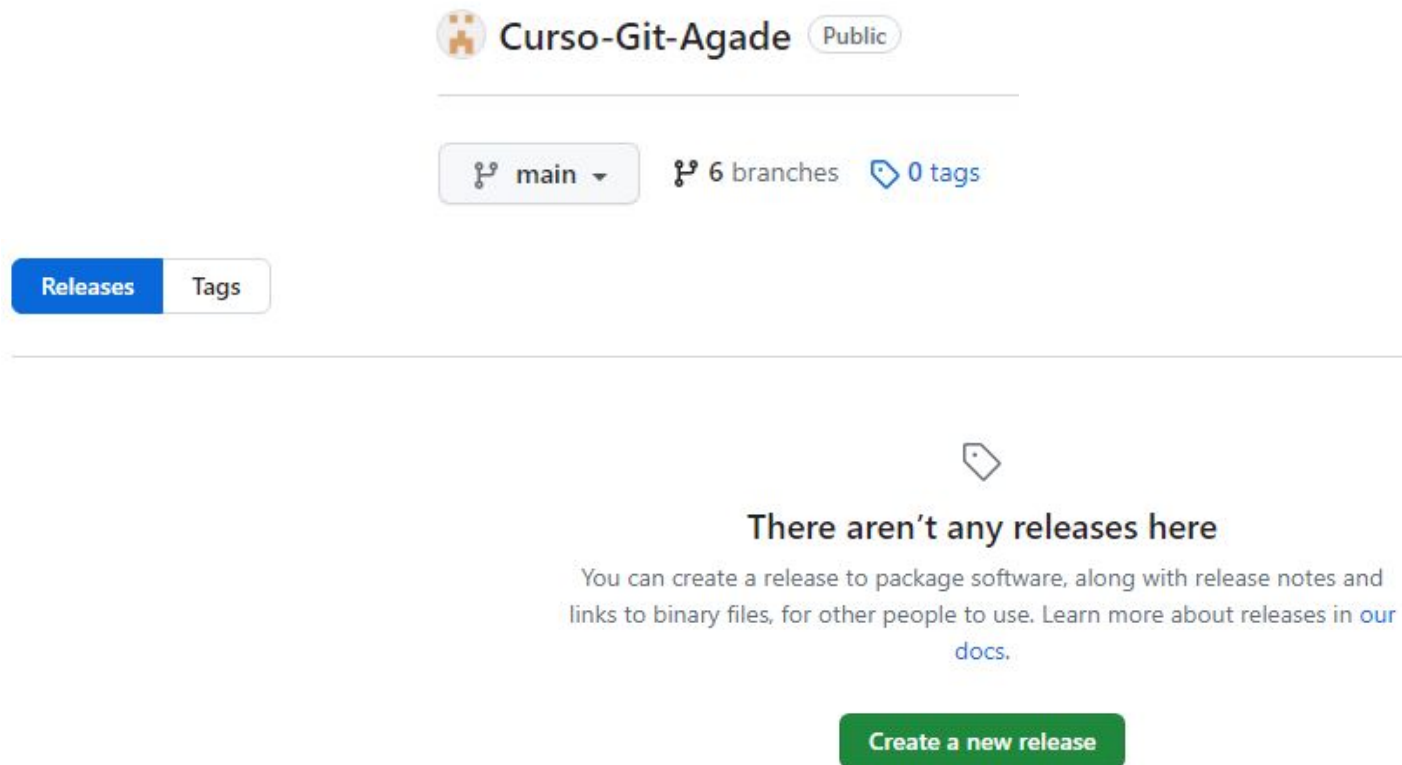


You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

## 7.1 O que é Tag e como funciona?



## 7.2 O que é Release e como funciona?





## 7.3 Criando um Release

Releases

Tags

1.0

Target: main

Excellent! This tag will be created from the target when you publish this release.

Primeira Versão

Write

Preview

H B I

≡ < > 🔗

≡ ≡ ≡

@ ↗ ↶

Previous tag: auto

Generate release notes

Lançando a primeira versão do projeto.

Attach files by dragging & dropping, selecting or pasting them.

↓

Attach binaries by dropping them here or selecting them.

☐ Set as a pre-release

This release will be labeled as non-production ready

Publish release

Save draft

Releases

Tags

Choose a tag

Target: main

publish this release.

Choose a tag

1.0


+ Create new tag: 1.0 on publish


### 7.4 Release criado


# Primeira Versão

Latest

Compare

 ryancunha13 released this in 12 seconds


 1.0

 7b1617a


Lançando a primeira versão do projeto.

▼ Assets


2

 Source code (zip)

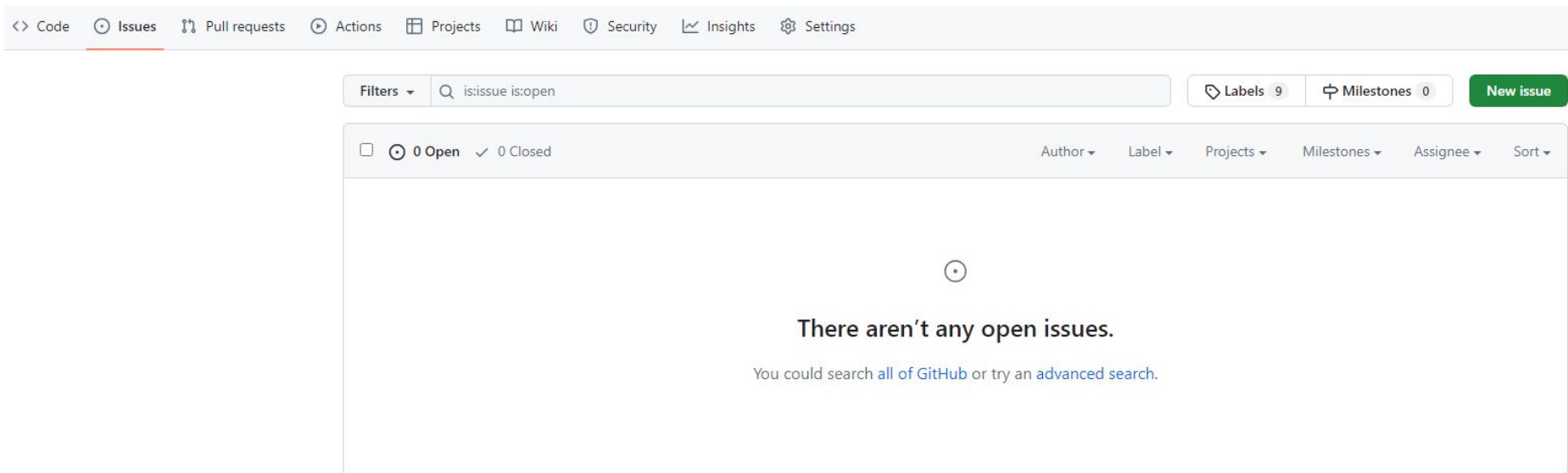
last week

 Source code (tar.gz)

last week



### 8.1 O que são Issues?



The screenshot shows the GitHub interface for the 'Issues' tab. The top navigation bar includes links for Code, Issues (selected), Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. Below this, the search bar contains the query 'is:issue is:open'. To the right of the search bar are filters for 'Labels' (9) and 'Milestones' (0), along with a 'New issue' button. The main content area shows a summary of '0 Open' and '0 Closed' issues. Below this, a message states 'There aren't any open issues.' with a suggestion to search 'all of GitHub' or use an 'advanced search'. The bottom of the page features a 'ProTip!' about using the 'linked:pr.' search filter.

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

Filters

Labels 9 Milestones 0 [New issue](#)

☐ 0 Open ✓ 0 Closed

Author ▼ Label ▼ Projects ▼ Milestones ▼ Assignee ▼ Sort ▼

There aren't any open issues.

You could search [all of GitHub](#) or try an [advanced search](#).

 **ProTip!** Find all open issues with in progress development work with `linked:pr.`

## 8.2 Criando uma Issue



Adicionar o slide no repositório

Write

Preview

H B I @

Adicionar o slide do curso de [git/github](#) no repositório.

Attach files by dragging & dropping, selecting or pasting them.



Styling with Markdown is supported


Submit new issue

Remember, contributions to this repository should follow our [GitHub Community Guidelines](#).


### 8.3 Designando um colaborador para uma issue

☒ 1 selected

Mark as ▾Label ▾Projects ▾Milestone ▾Assign ▾


☒  Adicionar o slide no repositório

#14 opened now by ryancunha13

 **ProTip!** Mix and match filters to narrow down what you're looking for.

Assign someone

Assign to nobody

 ryancunha13

## 8.4 Fechando uma issue

### Adicionar o slide no repositório #14

 Open ryancunha13 opened this issue 32 minutes ago · 0 comments



ryancunha13 commented 32 minutes ago

Owner ...

Adicionar o slide do curso de git/github no repositório.



Write

Preview

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**issue fechada**

Attach files by dragging & dropping, selecting or pasting them.



 Close with comment



Comment

## 8.5 Exemplos de sintaxes para utilizar nos comentários

Estilo	Sintaxe	Atalho do teclado	Exemplo	Saída
Negrito	<code>** **</code> ou <code>__ __</code>	Comando + B (Mac) ou CTRL + B (Windows/Linux)	<code>**This is bold</code> <code>text**</code>	<b>Este texto está em negrito</b>
Itálico	<code>* *</code> ou <code>_ _</code>	Comando + I (Mac) ou CTRL + I (Windows/Linux)	<code>_This text is</code> <code>italicized_</code>	<i>Este texto está em itálico</i>
Tachado	<code>~~ ~~</code>	Nenhum	<code>~~This was mistaken</code> <code>text~~</code>	<del>Este texto contém um erro</del>
Negrito e itálico aninhado	<code>** **</code> e <code>_ _</code>	Nenhum	<code>**This text is</code> <code>_extremely_</code> <code>important**</code>	<b><i>Este texto é extremamente importante</i></b>
Todo em negrito e itálico	<code>*** **</code>	Nenhum	<code>***All this text is</code> <code>important***</code>	<b><i>Todo este texto é importante</i></b>
Subscrito	<code>&lt;sub&gt;</code> <code>&lt;/sub&gt;</code>	Nenhum	<code>&lt;sub&gt;This is a</code> <code>subscript text&lt;/sub&gt;</code>	Este é um texto subscrito
Sobrescrito	<code>&lt;sup&gt;</code> <code>&lt;/sup&gt;</code>	Nenhum	<code>&lt;sup&gt;This is a</code> <code>superscript</code> <code>text&lt;/sup&gt;</code>	