



# GIT E GITHUB

## Configurações, Fluxos e Versionamento de Código

Professor Julio Telles

# ALTERAÇÕES NO REPO LOCAL

```
MINGW64:/c/Programação/novo-repo
[core]
  repositoryformatversion = 0
  filemode = false
  bare = false
  logallrefupdates = true
  symlinks = false
  ignorecase = true
[remote "origin"]
  url = https://github.com/Julio-Telles/remote-repo.git
  fetch = +refs/heads/*:refs/remotes/origin/*

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo/.git (GIT_DIR!)
$ cd..
bash: cd..: command not found

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo/.git (GIT_DIR!)
$ ^C

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo/.git (GIT_DIR!)
$ cd c/Programação/novo-repo
bash: cd: c/Programação/novo-repo: No such file or directory

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo/.git (GIT_DIR!)
$ cd C:/Programação/novo-repo
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git status
On branch main

No commits yet

nothing to commit (create/copy files and use "git add" to track)

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ |
```

Voltando pra pasta "main"

Mostra o status atual do reposit.

# ALTERAÇÕES NO REPO LOCAL

```
MINGW64:/c/Programação/novo-repo
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo/.git (GIT_DIR!)
$ AC

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo/.git (GIT_DIR!)
$ cd c/Programação/novo-repo
bash: cd: c/Programação/novo-repo: No such file or directory

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo/.git (GIT_DIR!)
$ cd C:/Programação/novo-repo

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git status
On branch main

No commits yet

nothing to commit (create/copy files and use "git add" to track)

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ touch README.md

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git status
On branch main

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
  README.md

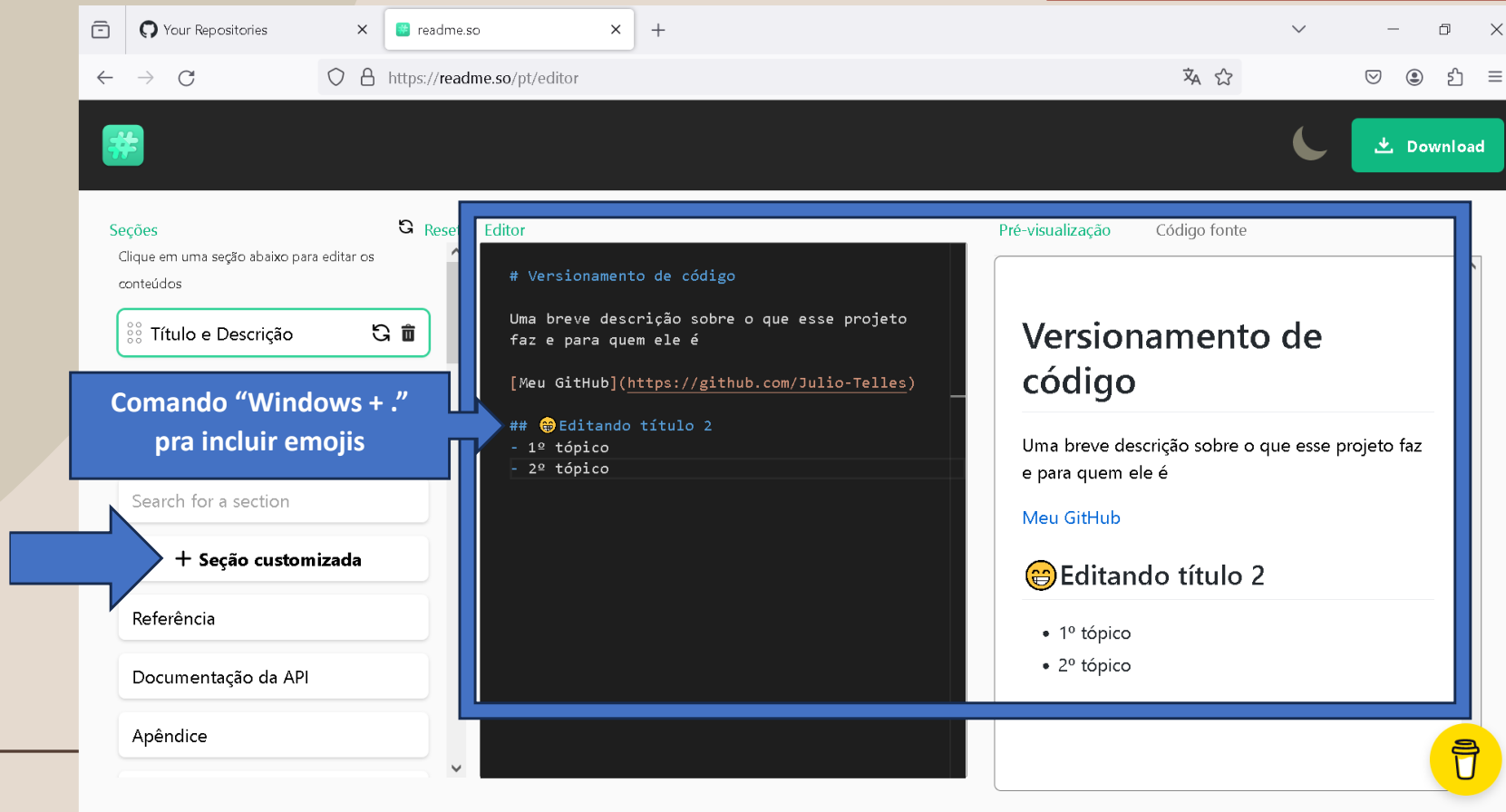
nothing added to commit but untracked files present (use "git add" to track)

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$
```

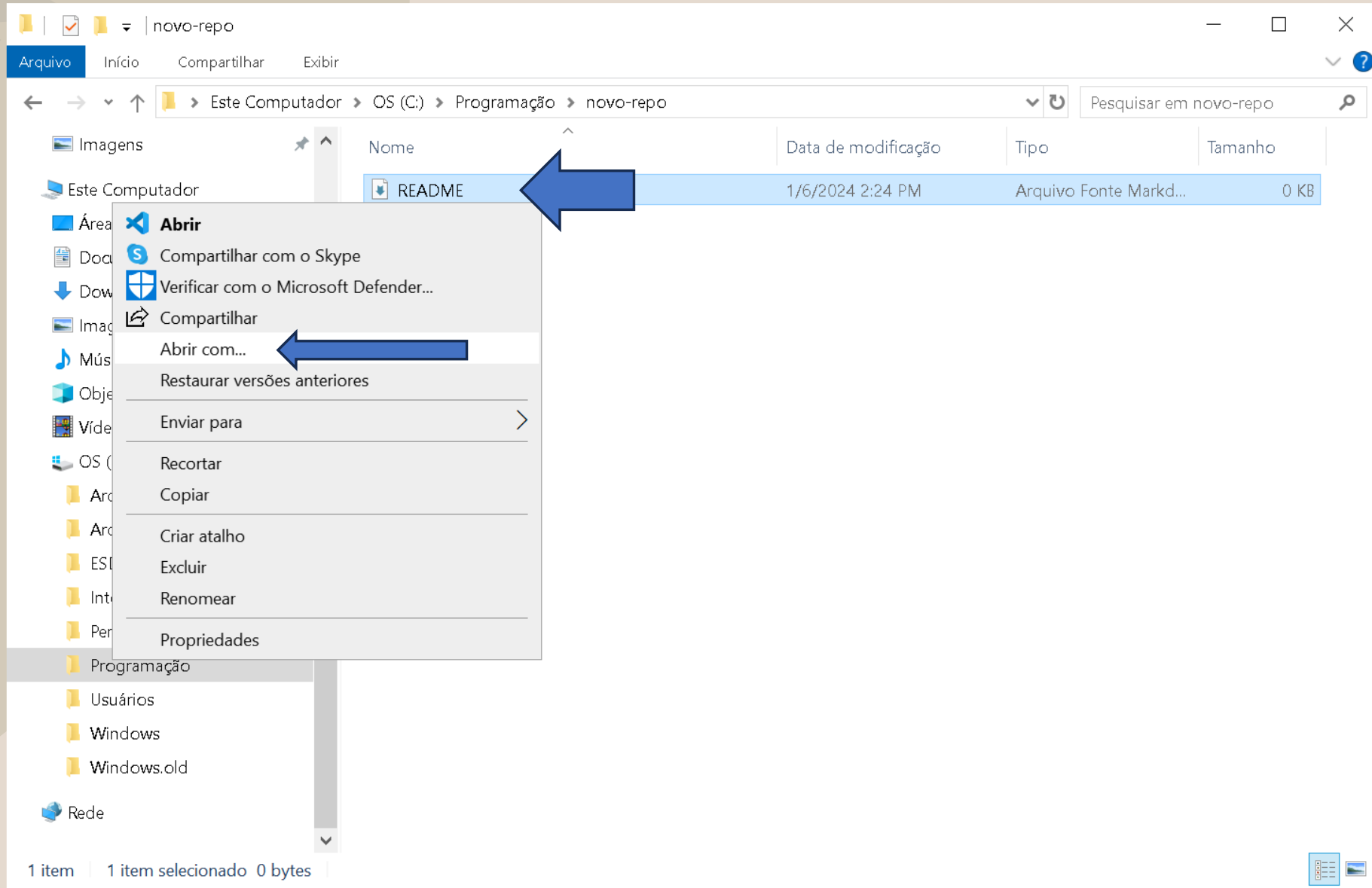
Criando 1 novo arquivo na pasta

# ARQUIVO MD MELHOR ELABORADO

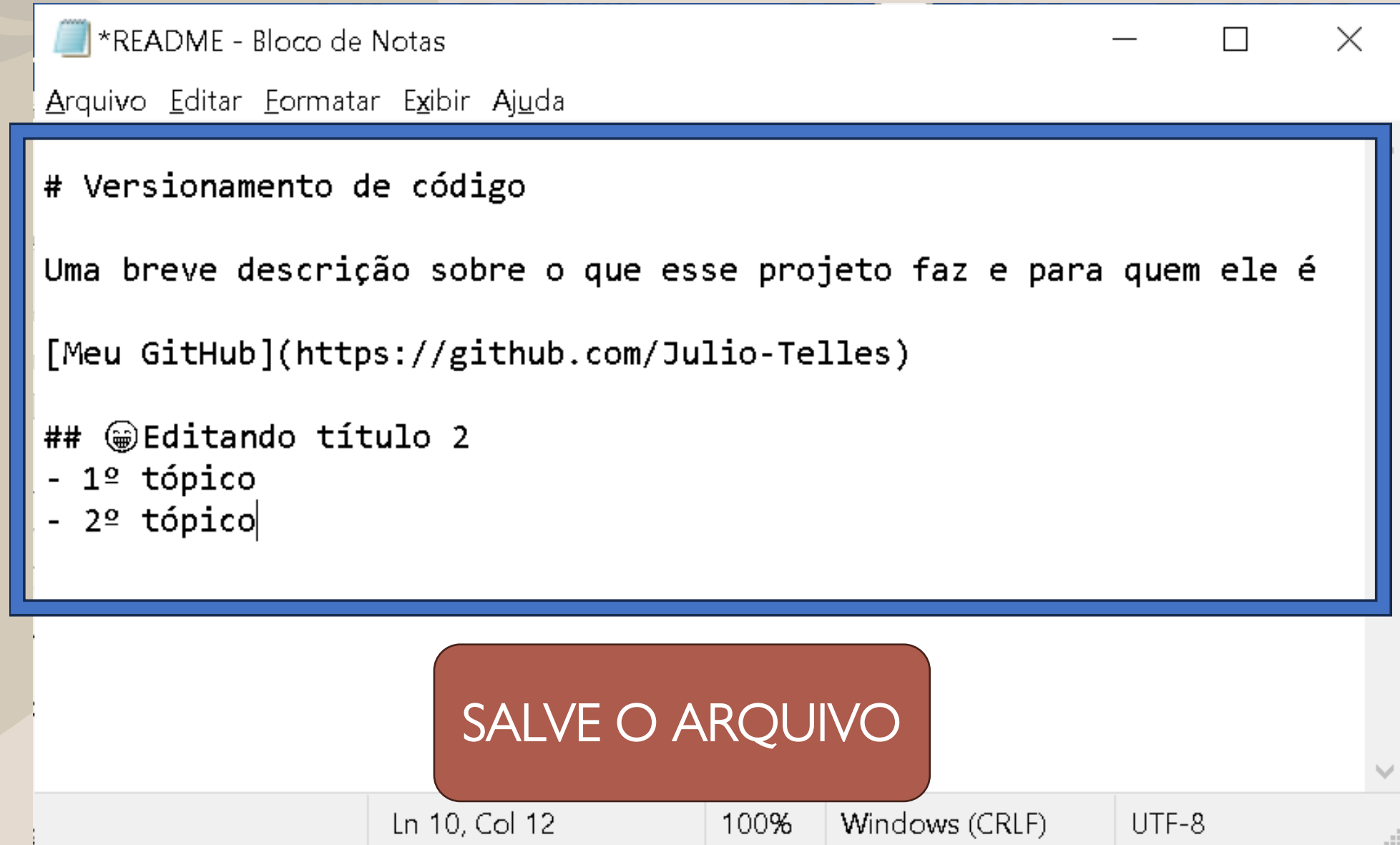
- PARA CRIAR UM ARQUIVO MD MELHOR ELABORADO: <https://docs.github.com/pt/get-started/writing-on-github/working-with-advanced-formatting>
- O site abaixo é melhor pra edição de arquivos MD (<https://readme.so/pt/editor>):



# ARQUIVO MD MELHOR ELABORADO



# ARQUIVO MD MELHOR ELABORADO



```
*README - Bloco de Notas

Arquivo Editar Formatar Exibir Ajuda

# Versionamento de código

Uma breve descrição sobre o que esse projeto faz e para quem ele é

[Meu GitHub](https://github.com/Julio-Telles)

## 🍷 Editando título 2
- 1º tópico
- 2º tópico|

SALVE O ARQUIVO

Ln 10, Col 12 100% Windows (CRLF) UTF-8
```

# ALTERAÇÕES NO REPO LOCAL

```
MINGW64:/c/Programação/novo-repo
No commits yet

nothing to commit (create/copy files and use "git add" to track)

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ touch README.md

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git status
On branch main

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        README.md

nothing added to commit but untracked files present (use "git add" to track)

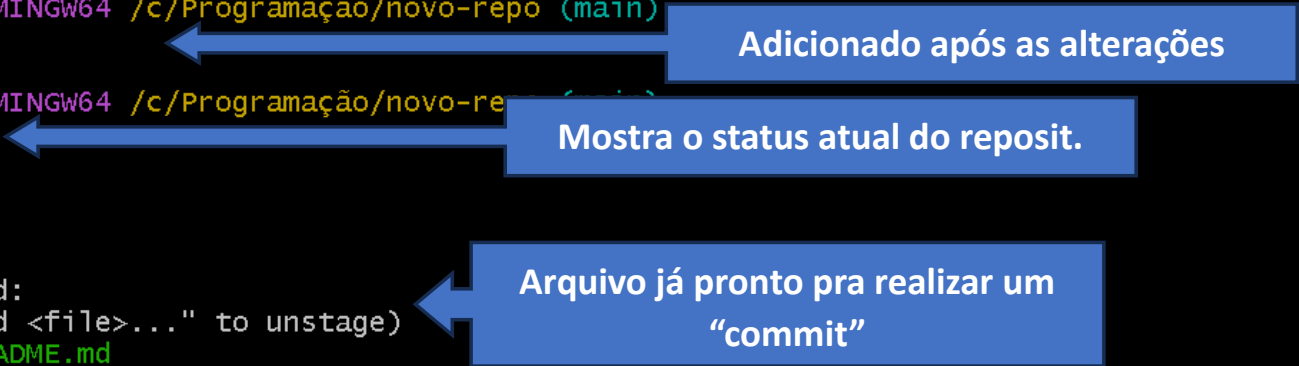
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git add README.md

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git status
On branch main

No commits yet

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

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$
```



Adicionado após as alterações

Mostra o status atual do reposit.

Arquivo já pronto pra realizar um "commit"

# FAZENDO COMMITS

```
MINGW64:/c/Programação/novo-repo
(use "git add <file>..." to include in what will be committed)
  README.md

nothing added to commit but untracked files present (use "git add" to track)

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git add README.md

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git status
On branch main

No commits yet

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

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git commit -m"primeiro commit"
[main (root-commit) 2fbb9ff] primeiro commit
 1 file changed, 10 insertions(+)
 create mode 100644 README.md

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git log
commit 2fbb9ffd3663cb447e8848780b993b94da7c1d27 (HEAD -> main)
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date:   Sat Jan 6 15:10:12 2024 -0300

    primeiro commit

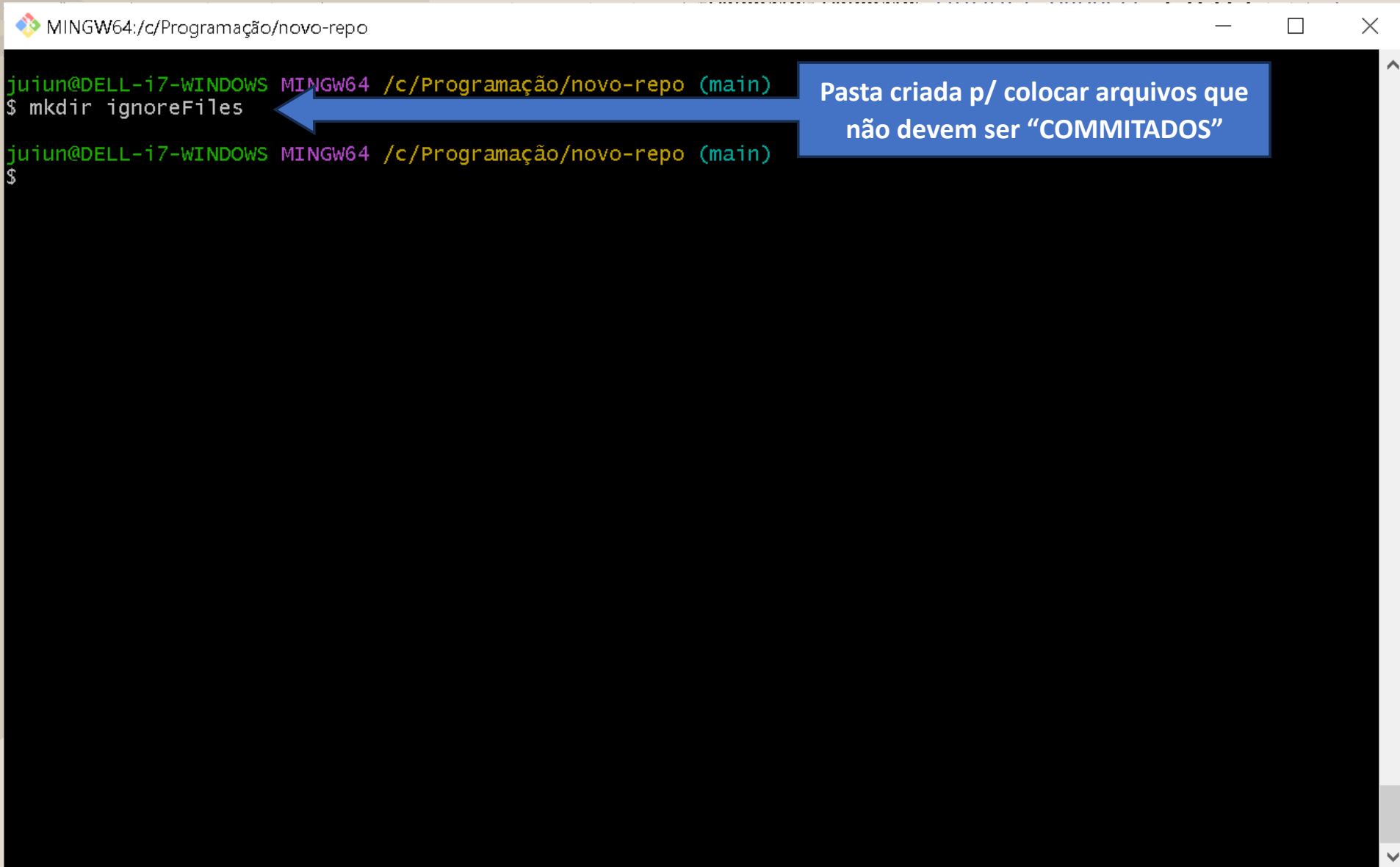
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$
```

Fazendo o commit

Logs com informações dos commits



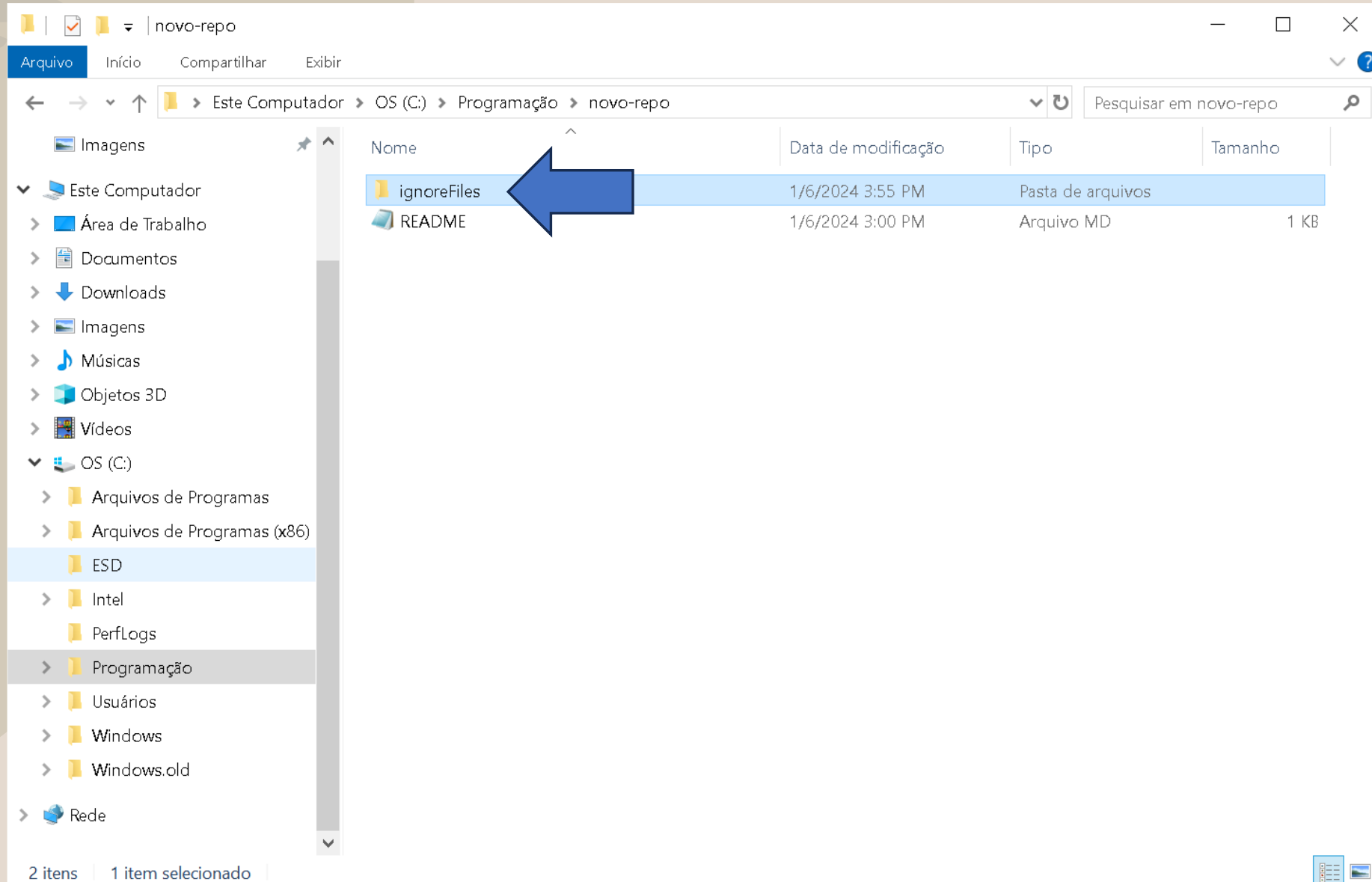
# FAZENDO COMMITS



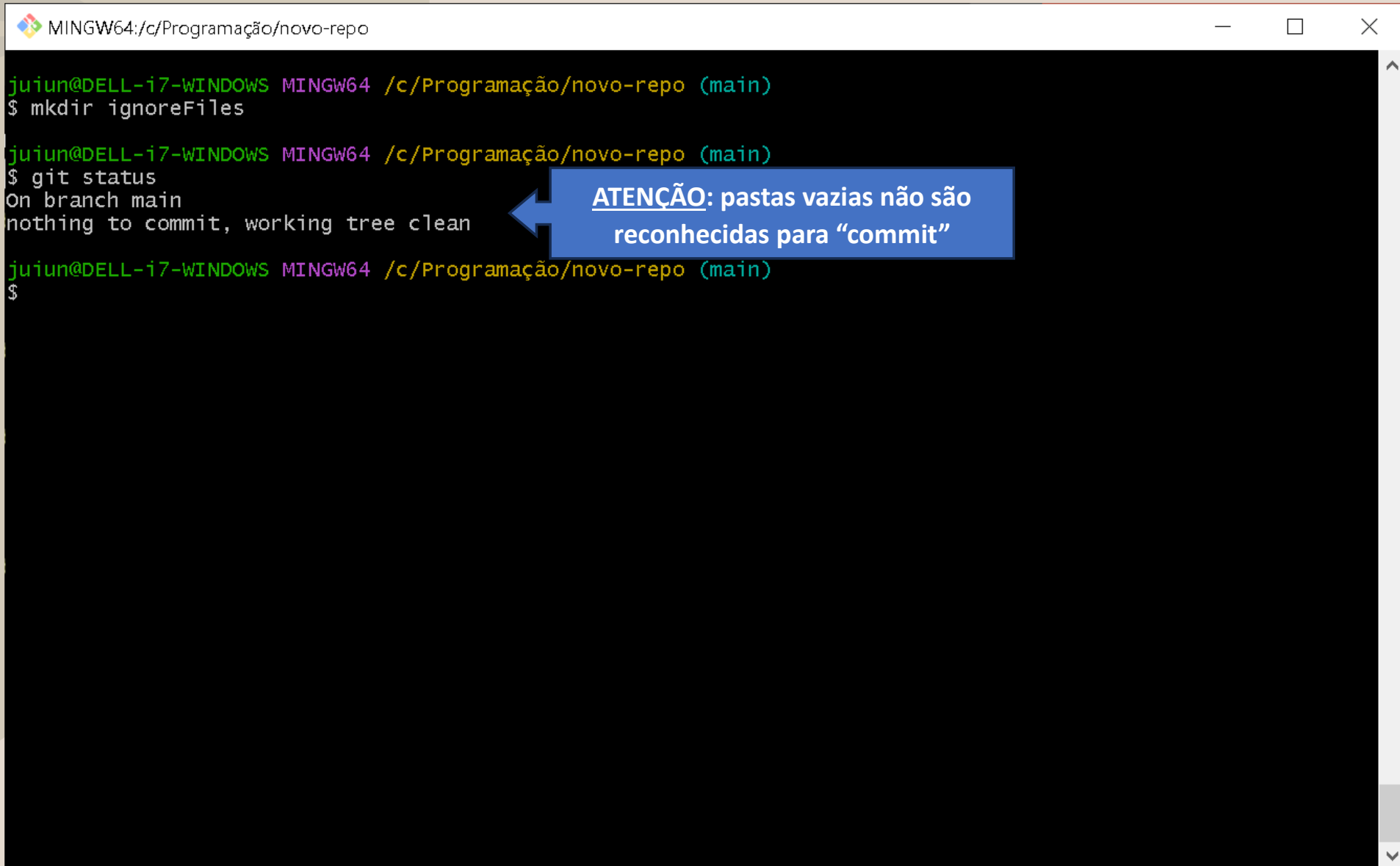
A terminal window titled "MINGW64:/c/Programação/novo-repo" showing a user named "juiun@DELL-i7-WINDOWS" in a "MINGW64" environment. The user is in the "main" branch of a repository. The command "\$ mkdir ignoreFiles" is entered. A blue arrow points from a text box to the "ignoreFiles" directory name. The text box contains the instruction: "Pasta criada p/ colocar arquivos que não devem ser 'COMMITADOS'".

```
MINGW64:/c/Programação/novo-repo
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ mkdir ignoreFiles
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$
```

# FAZENDO COMMITS



# FAZENDO COMMITS



A terminal window titled 'MINGW64:/c/Programação/novo-repo' with standard window controls. The terminal shows the following commands and output:

```
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ mkdir ignoreFiles

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git status
On branch main
nothing to commit, working tree clean

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$
```

A blue callout box with a white arrow pointing to the 'nothing to commit' output contains the text: **ATENÇÃO:** pastas vazias não são reconhecidas para “commit”

# FAZENDO COMMITS

```
MINGW64:/c/Programação/novo-repo
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ mkdir ignoreFiles

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git status
On branch main
nothing to commit, working tree clean

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ touch ignoreFiles/ignore1.md

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git status
On branch main
Untracked files:
  (use "git add <file>..." to add to the commit)
        ignoreFiles/ignore1.md
nothing added to commit but untracked files present (use "git add" to track)

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ |
```

Arquivo criado dentro da pasta

Com o arquivo criado, o Git passa a reconhecer alterações

# FAZENDO COMMITS

```
MINGW64:/c/Programação/novo-repo

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ mkdir ignoreFiles

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git status
On branch main
nothing to commit, working tree clean

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ touch ignoreFiles/ignore1.md

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git status
On branch main
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    ignoreFiles/

nothing added to commit but untracked files present (use "git add" to track)

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ echo ignoreFiles/ > .gitignore

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git status
On branch main
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    .gitignore

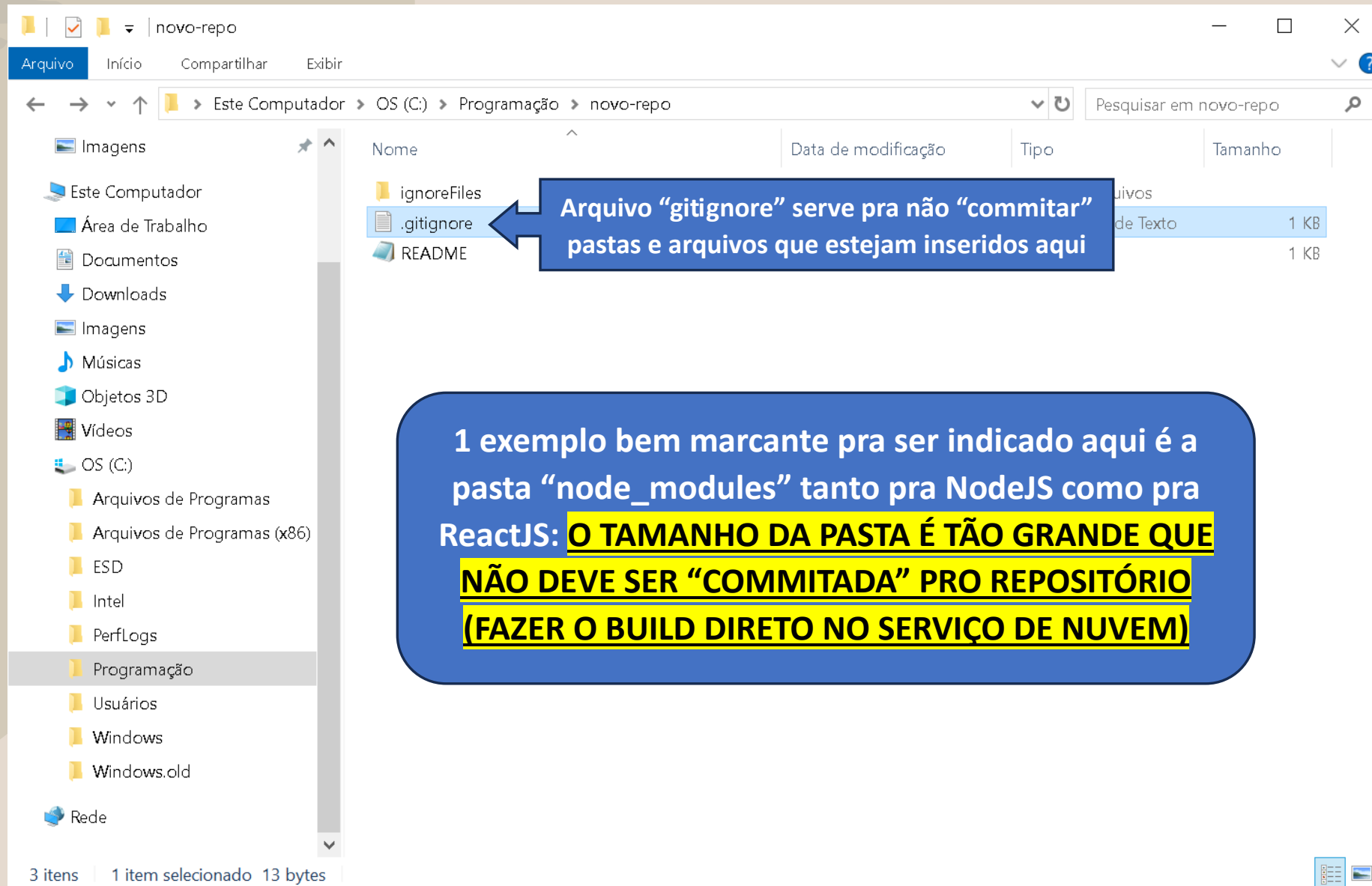
nothing added to commit but untracked files present (use "git add" to track)

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ |
```

Comando pra ignorar todos os arquivos dentro da pasta

Parou de reconhecer a pasta "ignoreFiles" e só reconheceu o arquivo criado "gitignore"

# FAZENDO COMMITS



# FAZENDO COMMITS

```
MINGW64:/c/Programação/novo-repo
nothing added to commit but untracked files present (use "git add" to track)

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo
$ touch file1.txt

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo
$ touch file2.txt

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git status
On branch main
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore
        file1.txt
        file2.txt

nothing added to commit but untracked files present (use "git add" to track)

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git add .
warning: in the working copy of '.gitignore', LF will be replaced by CRLF

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git status
On branch main
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   .gitignore
        new file:   file1.txt
        new file:   file2.txt

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ |
```

Criando 1 arquivo na main

Criando outro arquivo na main

Comando "add ." adiciona tudo novo de 1 só vez

# FAZENDO COMMITS

```
MINGW64:/c/Programação/novo-repo

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git status
On branch main
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   .gitignore
        new file:   file1.txt
        new file:   file2.txt

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git commit -m"adicionar novos arquivos e gitignore"
[main a72174f] adicionar novos arquivos e gitignore
3 files changed, 1 insertion(+)
create mode 100644 .gitignore
create mode 100644 file1.txt
create mode 100644 file2.txt

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git log
commit a72174fce4a1d072a5d8cc360ee2b49b8d3df9f0 (HEAD -> main)
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date:   Sat Jan 6 16:20:03 2024 -0300

    adicionar novos arquivos e gitignore

commit 2fbb9ffd3663cb447e8848780b993b94da7c1d27
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date:   Sat Jan 6 15:10:12 2024 -0300

    primeiro commit

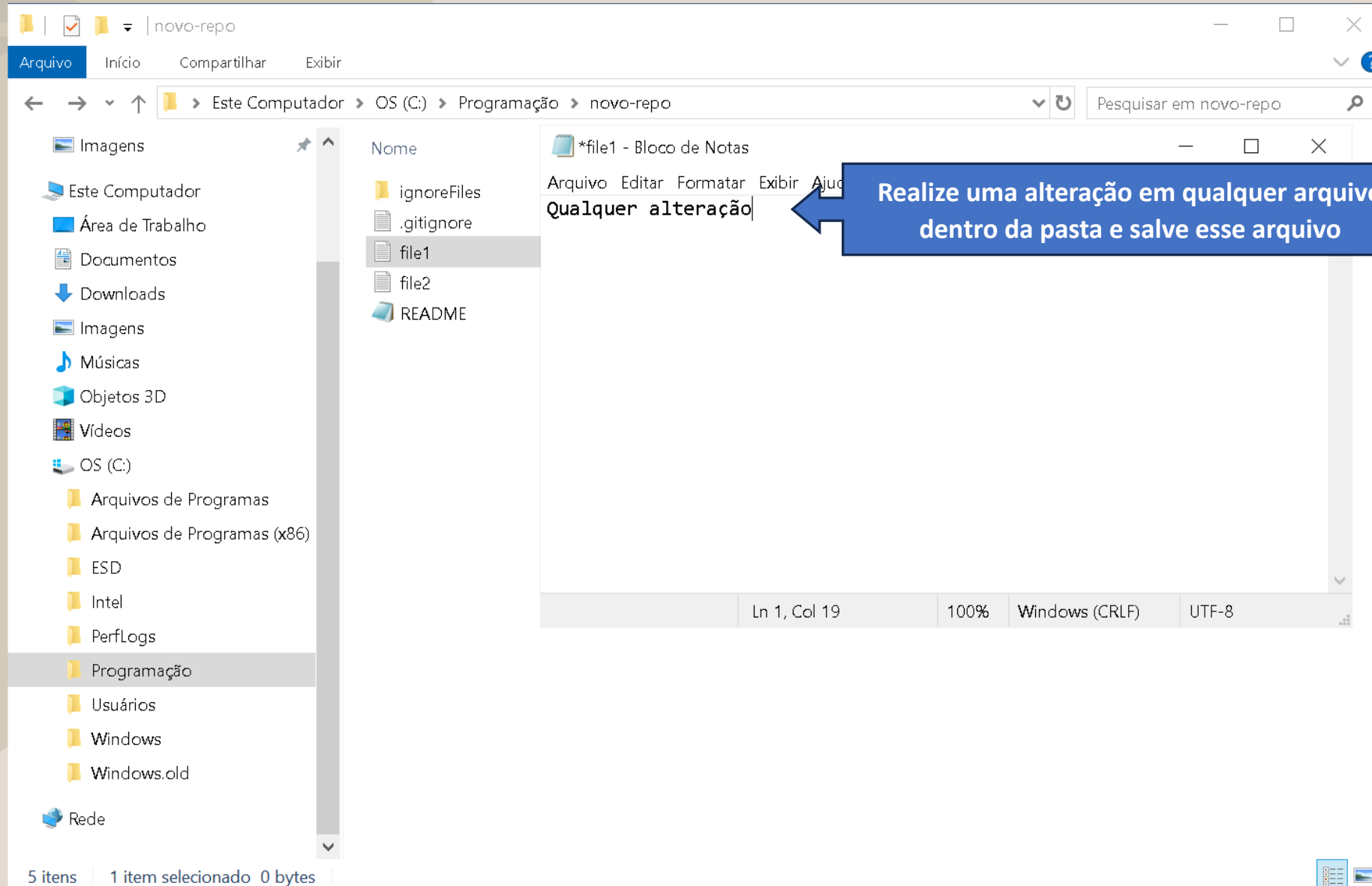
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$
```

Novo commit com as alterações

Logs dos commits



# FAZENDO COMMITS



# FAZENDO COMMITS

```
MINGW64:/c/Programação/novo-repo
Date: Sat Jan 6 16:20:03 2024 -0300

adicionar novos arquivos e gitignore

commit 2fbb9fffd3663cb447e8848780b993b94da7c1d27
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sat Jan 6 15:10:12 2024 -0300

primeiro commit

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git status
On branch main
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   file1.txt

no changes added to commit (use "git add" and/or "git commit -a")

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git add file1.txt

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git commit -m"ajuste no arquivo file1.txt"
[main 2e0b8e1] ajuste no arquivo file1.txt
1 file changed, 1 insertion(+)

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git status
On branch main
nothing to commit, working tree clean

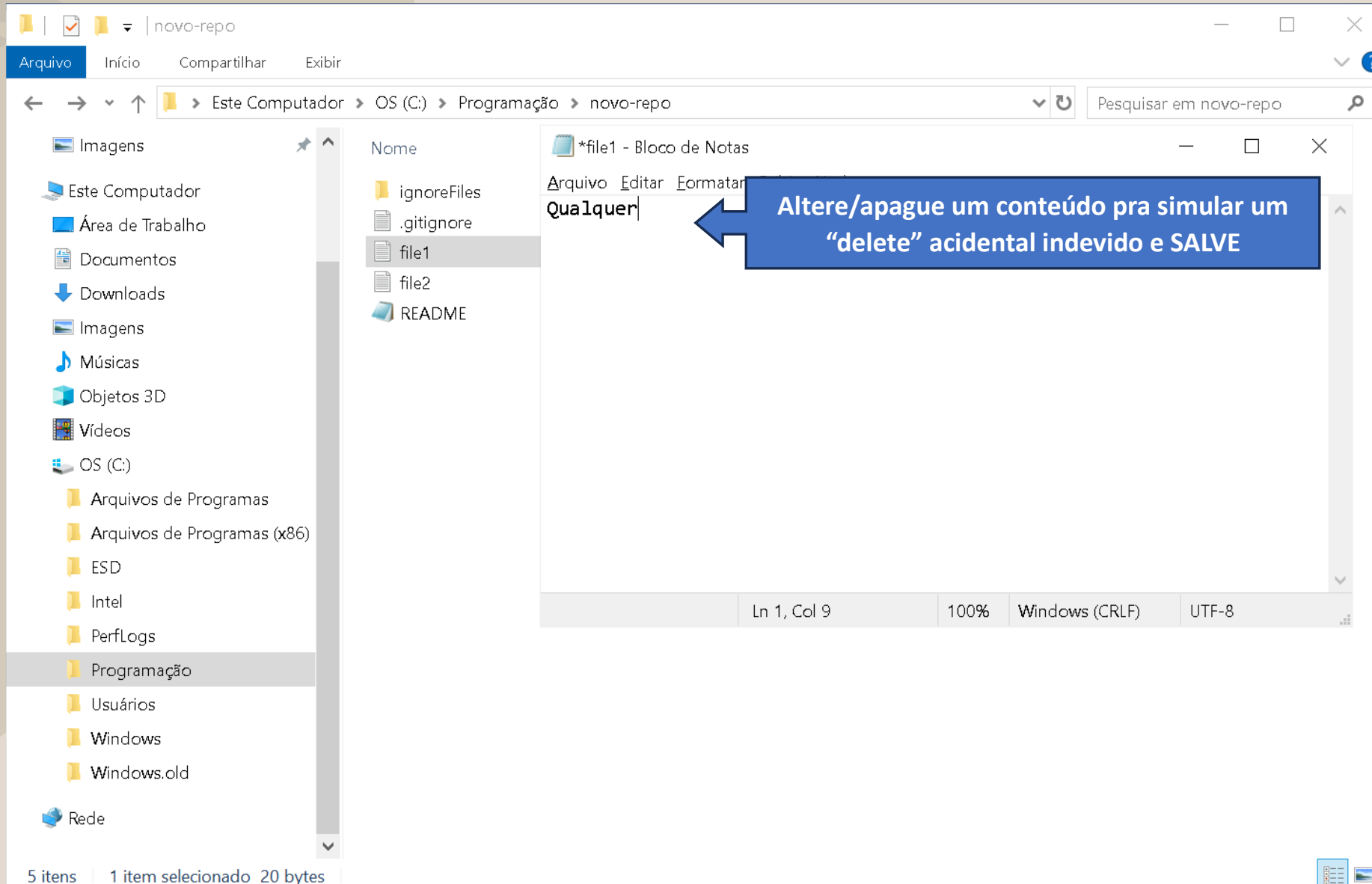
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ |
```

O Git já identifica qualquer alteração em todos os arquivos dentro da pasta

Add o arquivo alterado

Proceda com o commit

# DESFAZENDO COMMITS



# DESFAZENDO COMMITS

```
MINGW64:/c/Programação/novo-repo
no changes added to commit (use "git add" and/or "git commit -a")

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git add file1.txt

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git commit -m"ajuste no arquivo file1.txt"
[main 2e0b8e1] ajuste no arquivo file1.txt
1 file changed, 1 insertion(+)

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git status
On branch main
nothing to commit, working tree clean

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git status
On branch main
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   file1.txt

no changes added to commit (use "git add" and/or "git commit -a")

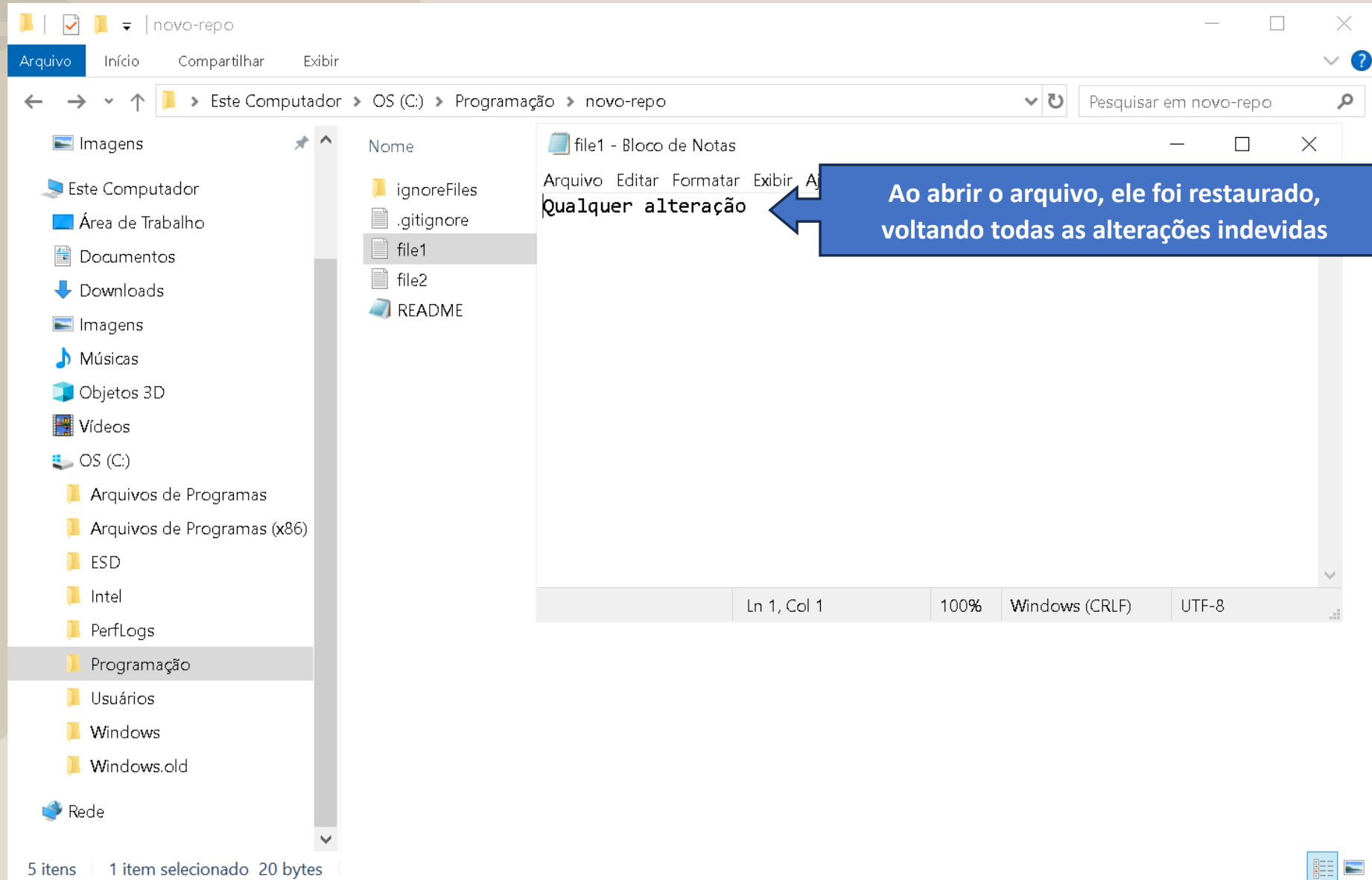
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git restore file1.txt

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git status
On branch main
nothing to commit, working tree clean

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$
```

Basta o "restore" do arquivo

# DESFAZENDO COMMITS



# DESFAZENDO COMMITS

```
MINGW64:/c/Programação/novo-repo
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git log
commit 2e0b8e1f059a0e1a39a2b33ea0becf890109d7d9 (HEAD -> main)
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sat Jan 6 16:33:46 2024 -0300

    ajuste no arquivo file1.txt

commit a72174fce4a1d072a5d8cc360ee2b49b8d3df9f0
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sat Jan 6 16:20:03 2024 -0300

    adicionar novos arquivos e gitignore

commit 2fbb9ffd3663cb447e8848780b993b94da7c1d27
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sat Jan 6 15:10:12 2024 -0300

    primeiro commit

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git reset --soft 2fbb9ffd3663cb447e8848780b993b94da7c1d27

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git log
commit 2fbb9ffd3663cb447e8848780b993b94da7c1d27 (HEAD -> main)
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sat Jan 6 15:10:12 2024 -0300

    primeiro commit

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$
```

Copie o "hash" do último commit com as alterações que deseja manter

Desfaz o commit até o hash desejado

Só ficou do commit desejado pra trás

# DESFAZENDO COMMITS

```
MINGW64:/c/Programação/novo-repo
commit a72174fce4a1d072a5d8cc360ee2b49b8d3df9f0
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sat Jan 6 16:20:03 2024 -0300

    adicionar novos arquivos e gitignore

commit 2fbb9ffd3663cb447e8848780b993b94da7c1d27
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sat Jan 6 15:10:12 2024 -0300

    primeiro commit

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git reset --soft 2fbb9ffd3663cb447e8848780b993b94da7c1d27

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git log
commit 2fbb9ffd3663cb447e8848780b993b94da7c1d27 (HEAD -> main)
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sat Jan 6 15:10:12 2024 -0300

    primeiro commit

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (mai
$ git status
On branch main
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   .gitignore
    new file:   file1.txt
    new file:   file2.txt

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$
```

Status de alterações

Voltam todos os arquivos alterados e que não haviam sido “commitados” até o reset do hash

# DESFAZENDO COMMITS

```
MINGW64:/c/Programação/novo-repo
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sat Jan 6 15:10:12 2024 -0300

primeiro commit

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git reset --soft 2fbb9ffd3663cb447e8848780b993b94da7c1d27

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git log
commit 2fbb9ffd3663cb447e8848780b993b94da7c1d27 (HEAD -> main)
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sat Jan 6 15:10:12 2024 -0300

primeiro commit

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git status
On branch main
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   .gitignore
        new file:   file1.txt
        new file:   file2.txt

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (mai
$ git reflog
2fbb9ff (HEAD -> main) HEAD@{0}: reset: moving to 2fbb9ffd3663cb447e8848780b993b94da7c1d27
2e0b8e1 HEAD@{1}: commit: ajuste no arquivo file1.txt
a72174f HEAD@{2}: commit: adicionar novos arquivos e gitignore
2fbb9ff (HEAD -> main) HEAD@{3}: commit (initial): primeiro commit

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$
```

Comando de histórico de commits



# DESFAZENDO COMMITS

```
MINGW64:/c/Programação/novo-repo
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   .gitignore
    new file:   file1.txt
    new file:   file2.txt

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git reflog
2fbb9ff (HEAD -> main) HEAD@{0}: reset: moving to 2fbb9ffd3663cb447e8848780b993b94da7c1d27
2e0b8e1 HEAD@{1}: commit: ajuste no arquivo file1.txt
a72174f HEAD@{2}: commit: adicionar novos arquivos e gitignore
2fbb9ff (HEAD -> main) HEAD@{3}: commit (initial): primeiro commit

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git status
On branch main
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   .gitignore
    new file:   file1.txt
    new file:   file2.txt

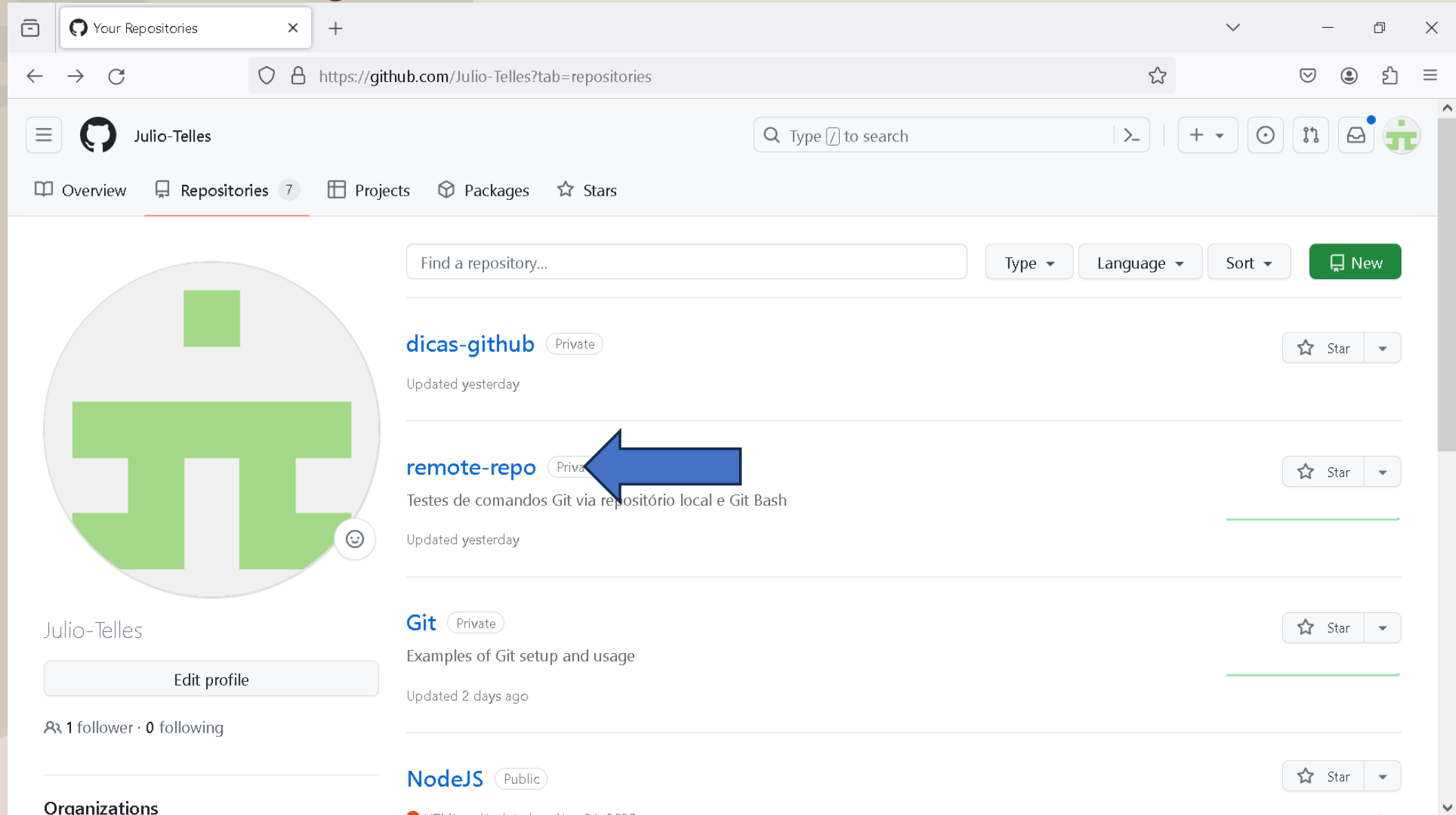
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git add .
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git commit -m"committa todas as últimas alterações"
[main Od71136] committa todas as últimas alterações
3 files changed, 2 insertions(+)
create mode 100644 .gitignore
create mode 100644 file1.txt
create mode 100644 file2.txt
```

Pesquise e entenda também as opções MIXED e HARD para o comando “reset”

Adiciona as últimas alterações

Faz o commit pra deixar tudo atualizado e poder subir pro GitHub

# ALTERAÇÕES NO REPO REMOTO



The screenshot shows a web browser window displaying the GitHub profile of 'Julio-Telles'. The browser's address bar shows the URL 'https://github.com/Julio-Telles?tab=repositories'. The profile header includes the user's name, a search bar, and navigation tabs for Overview, Repositories (7), Projects, Packages, and Stars. The main content area lists repositories with filters for 'Find a repository...', 'Type', 'Language', and 'Sort'. A green 'New' button is also present. The repository list includes 'dicas-github' (Private, updated yesterday), 'remote-repo' (Private, updated yesterday, highlighted with a blue arrow), 'Git' (Private, updated 2 days ago), and 'NodeJS' (Public). The left sidebar shows the user's profile picture, name 'Julio-Telles', an 'Edit profile' button, and follower/following counts.

Find a repository...

Type Language Sort New

**dicas-github** Private Star

Updated yesterday

**remote-repo** Private Star

Testes de comandos Git via repositório local e Git Bash

Updated yesterday

**Git** Private Star

Examples of Git setup and usage

Updated 2 days ago

**NodeJS** Public Star

Julio-Telles

Edit profile

1 follower · 0 following

Organizations

# ALTERAÇÕES NO REPO REMOTO

```
MINGW64:/c/Programação/novo-repo
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git remote add origin https://github.com/Julio-Telles/remoto-repo.git
error: remote origin already exists.

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git push -u origin main
To https://github.com/Julio-Telles/remoto-repo.git
 ! [rejected]        main -> main (fetch first)
error: failed to push some refs to 'https://github.com/Julio-Telles/remoto-repo.git'
hint: Updates were rejected because the remote contains work that you do not
hint: have locally. This is usually caused by another repository pushing to
hint: the same ref. If you want to integrate the remote changes, use
hint: 'git pull' before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$
```

Tentando um push p/ os commits

Causado porque já ter um README.md no remote-repo

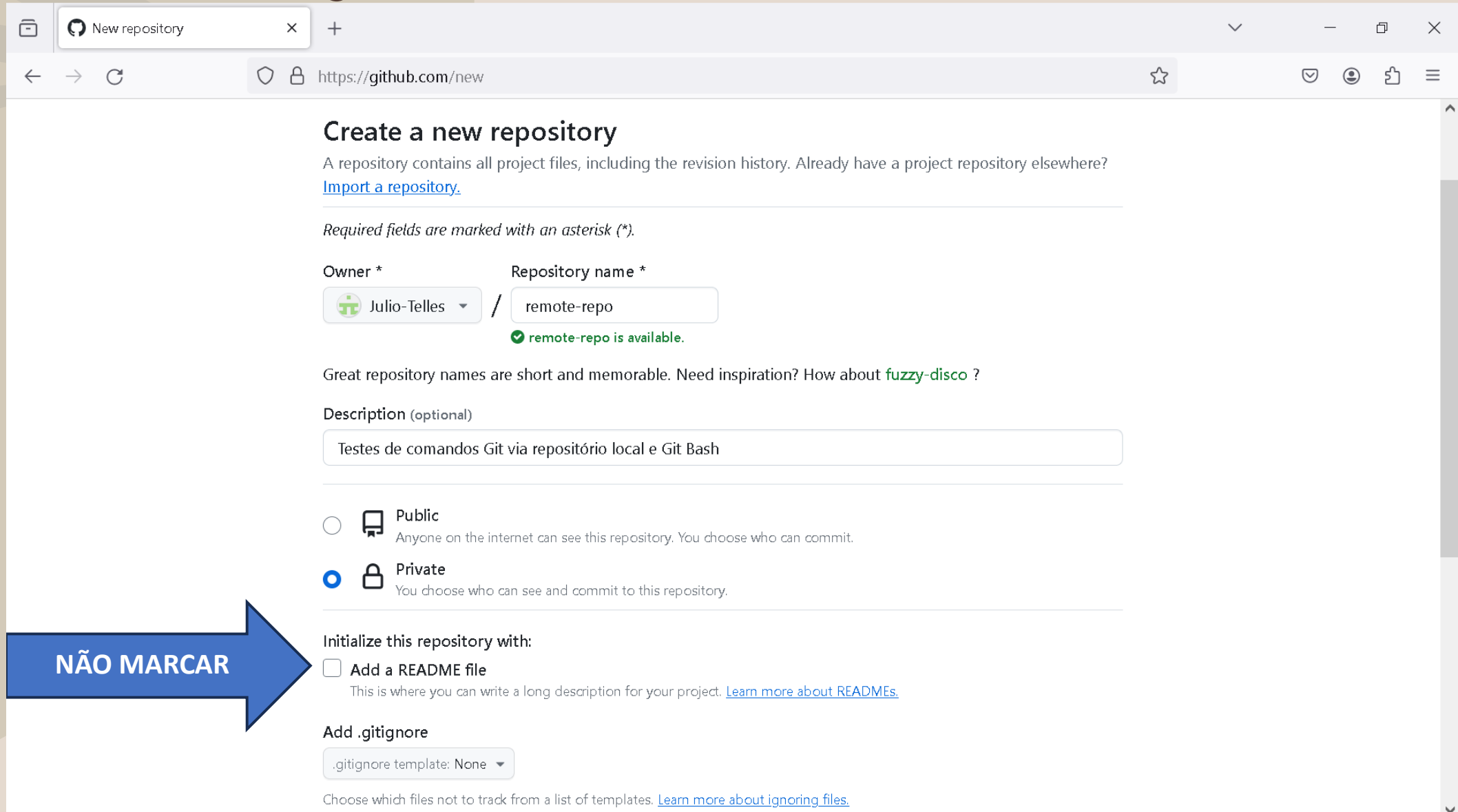
# ALTERAÇÕES NO REPO REMOTO

The screenshot shows the GitHub interface for a repository named 'remote-repo' by user 'Julio-Telles'. The repository is private and contains a single file, 'README.md'. Two blue callout boxes provide instructions:

- A box at the top right points to the 'Settings' tab in the repository navigation bar, with the text: **Excluir por aqui**.
- A larger box in the center points to the repository name 'remote-repo', with the text: **Por causa de ter criado esse repo com um arquivo README.md, o correto é clonar e ir atualizando. Mas queremos começar um repo remoto do zero através do repo local -> precisamos excluir e fazer de novo o mesmo repositório sem arquivos**.

The repository page includes a navigation bar with tabs for Code, Issues, Pull requests, Actions, Projects, Security, Insights, and Settings. Below the navigation bar, there are statistics for Unwatch (1), Fork (0), and Star (0). The main content area shows the repository name, a description 'Testes de comandos Git via repositório local e Git Bash', and a list of files including 'README.md'. The right sidebar contains an 'About' section with repository statistics and a 'Releases' section with a link to 'Create a new release'.

# ALTERAÇÕES NO REPO REMOTO



**Create a new repository**

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

*Required fields are marked with an asterisk (\*).*

Owner \* Julio-Telles / Repository name \* remote-repo

✓ remote-repo is available.

Great repository names are short and memorable. Need inspiration? How about **fuzzy-disco** ?

Description (optional)

Testes de comandos Git via repositório local e Git Bash

☐ 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:

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

Add .gitignore

.gitignore template: None

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

NÃO MARCAR

# ALTERAÇÕES NO REPO REMOTO

The screenshot shows the GitHub repository page for 'Julio-Telles/remote-repo'. The browser address bar displays 'https://github.com/Julio-Telles/remote-repo'. Below the header, there are buttons for 'Get started with GitHub Copilot' and 'Invite collaborators'. A light blue section titled 'Quick setup — if you've done this kind of thing before' contains a 'Set up in Desktop' button, an 'or' separator, and 'HTTPS' and 'SSH' tabs. The 'HTTPS' tab is selected, showing the repository URL 'https://github.com/Julio-Telles/remote-repo.git' with a copy icon. Below this, it says 'Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).' The next section, '...or create a new repository on the command line', contains a code block with the following commands: 

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

 The final section, '...or push an existing repository from the command line', contains a code block with the following commands: 

```
git remote add origin https://github.com/Julio-Telles/remote-repo.git
git branch -M main
git push -u origin main
```

 A blue box highlights the last three lines of the second code block, and a blue arrow points from a text box to this highlighted area.

Get started with GitHub Copilot

Invite collaborators

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

Set up in Desktop or HTTPS SSH `https://github.com/Julio-Telles/remote-repo.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

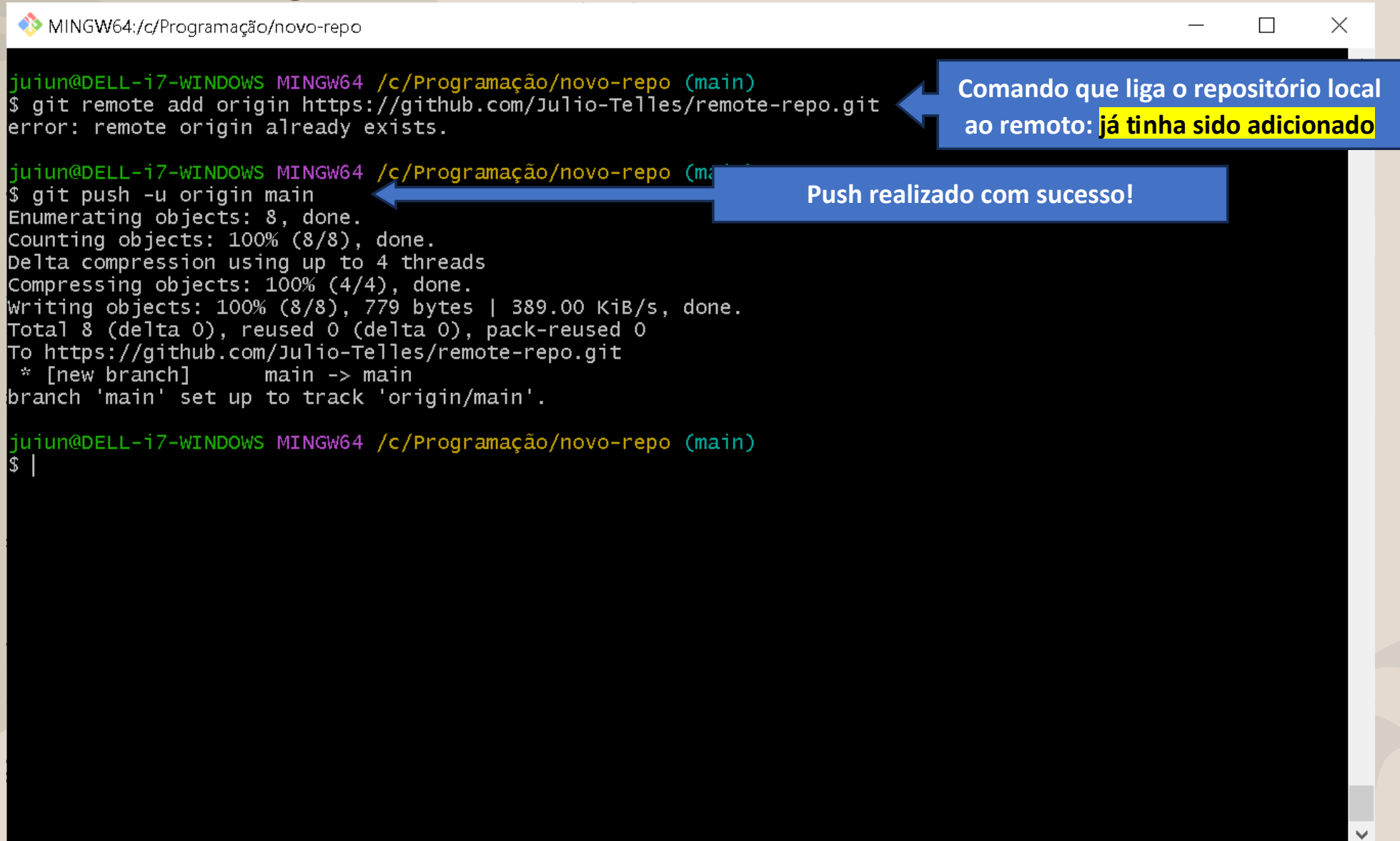
```
echo "# remote-repo" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/Julio-Telles/remote-repo.git
git push -u origin main
```

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

```
git remote add origin https://github.com/Julio-Telles/remote-repo.git
git branch -M main
git push -u origin main
```

Executar esses comandos, exceto o comando "branch"

# ALTERAÇÕES NO REPO REMOTO



A terminal window titled 'MINGW64:/c/Programação/novo-repo' displays the following commands and output:

```
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git remote add origin https://github.com/Julio-Telles/remoto-repo.git
error: remote origin already exists.
```

Annotation: Comando que liga o repositório local ao remoto: **já tinha sido adicionado**

```
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git push -u origin main
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 4 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (8/8), 779 bytes | 389.00 KiB/s, done.
Total 8 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Julio-Telles/remoto-repo.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
```

Annotation: Push realizado com sucesso!

```
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ |
```

# ALTERAÇÕES NO REPO REMOTO

**Atualize a página**

remote-repo Private

main 1 Branch 0 Tags

Go to file Add file Code

Commit	Author	Message	Time
0d71136	Julio-Telles	commita todas as últimas alterações	42 minutes ago
		primeiro commit	20 hours ago
			42 minutes ago
			42 minutes ago

**Todos os arquivos corretamente "commitados" subiram p/ o repositório**

**About**

Testes de comandos Git via repositório local e Git Bash

- Readme
- Activity
- 0 stars
- 1 watching
- 0 forks

**Releases**

No releases published  
[Create a new release](#)

**Packages**

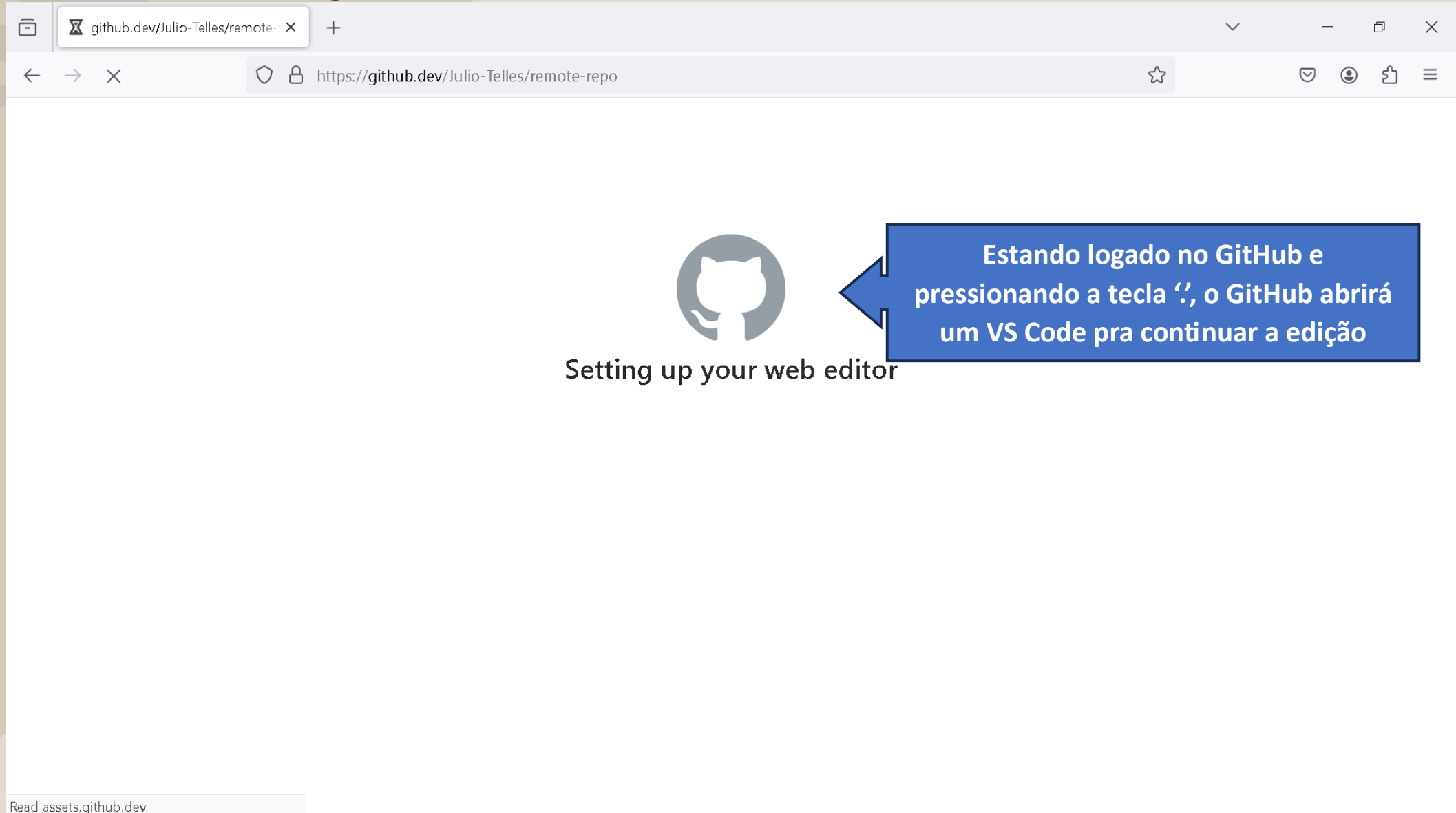
No packages published

**Versionamento de código**

Uma breve descrição sobre o que esse projeto faz e para quem ele é



# ALTERAÇÕES NO REPO REMOTO



# ALTERAÇÕES NO REPO REMOTO

The screenshot shows the Visual Studio Code interface with a GitHub repository named 'remote-repo' open. The Explorer sidebar on the left shows the file structure: `.gitignore`, `file1.txt`, and `file2.txt`. A blue callout box points to the GitHub icon in the sidebar with the text: "Após as alterações, clique no ícone".

The main editor area displays the README.md file in preview mode, titled "Versionamento de código". It contains a description of the project and a list of topics. A blue callout box points to the README.md file in the Explorer sidebar with the text: "Faça qualquer alteração em um arquivo por aqui".

The right sidebar shows the code editor for README.md, displaying the following content:

```
1
2 # Versionamento de código
3
4 Uma breve descrição sobre o que esse projeto
5 faz e para quem ele é
6
7 [Meu GitHub](https://github.com/Julio-Telles)
8
9 ## 😊 Editando título 2
10 - 1º tópico
11 - 2º tópico
12
13 ## 📁 Título 3
14 -> TESTE
```

The status bar at the bottom indicates the current file is `main*` and shows 0 changes.

# ALTERAÇÕES NO REPO REMOTO

Versionamento de código

Aparecerá aqui uma lista de arquivos alterados p/ escolher quais serão “commitados” a seguir

Clique no ‘+’ pra add os arquivos alterados que deseja incluir no novo commit

Message (Ctrl+Enter to commit...)

Commit & Push

Changes

README.md

Uma breve descrição sobre o que esse projeto faz e para quem ele é

[Meu GitHub](https://github.com/Julio-Telles)

## 🤔 Editando título 2

- 1º tópico
- 2º tópico

## 📄 Título 3

-> TESTE

# ALTERAÇÕES NO REPO REMOTO

Atualização do README.md

Commit & Push

Adicione o comentário e clique no botão embaixo pra enviar as atualizações p/ o GitHub

remote-repo [GitHub]

Uma breve descrição sobre o que esse projeto faz e para quem ele é

Meu GitHub

😊 Editando título 2

- 1º tópico
- 2º tópico

📖 Título 3

-> TESTE

```
4 Uma breve descrição sobre o que esse projeto
5 faz e para quem ele é
6 [Meu GitHub](https://github.com/Julio-Telles)
7
8 ## 😊 Editando título 2
9 - 1º tópico
10 - 2º tópico
11
12 ## 📖 Título 3
13 -> TESTE
```

Ln 13, Col 9 Spaces: 4 UTF-8 LF Markdown Layout: Portuguese (Brazilian ABNT)

# ALTERAÇÕES NO REPO REMOTO

The screenshot shows the GitHub interface for a repository named 'remote-repo' by user 'Julio-Telles'. The repository is private and has 1 branch (main) and 0 tags. The file list shows four files: .gitignore, README.md, file1.txt, and file2.txt. The README section is visible at the bottom, titled 'Versionamento de código'. A blue callout box with an arrow points to the file list, stating: 'Ao retornar p/ o repo do GitHub, as alterações enviadas já foram atualizadas aqui'.

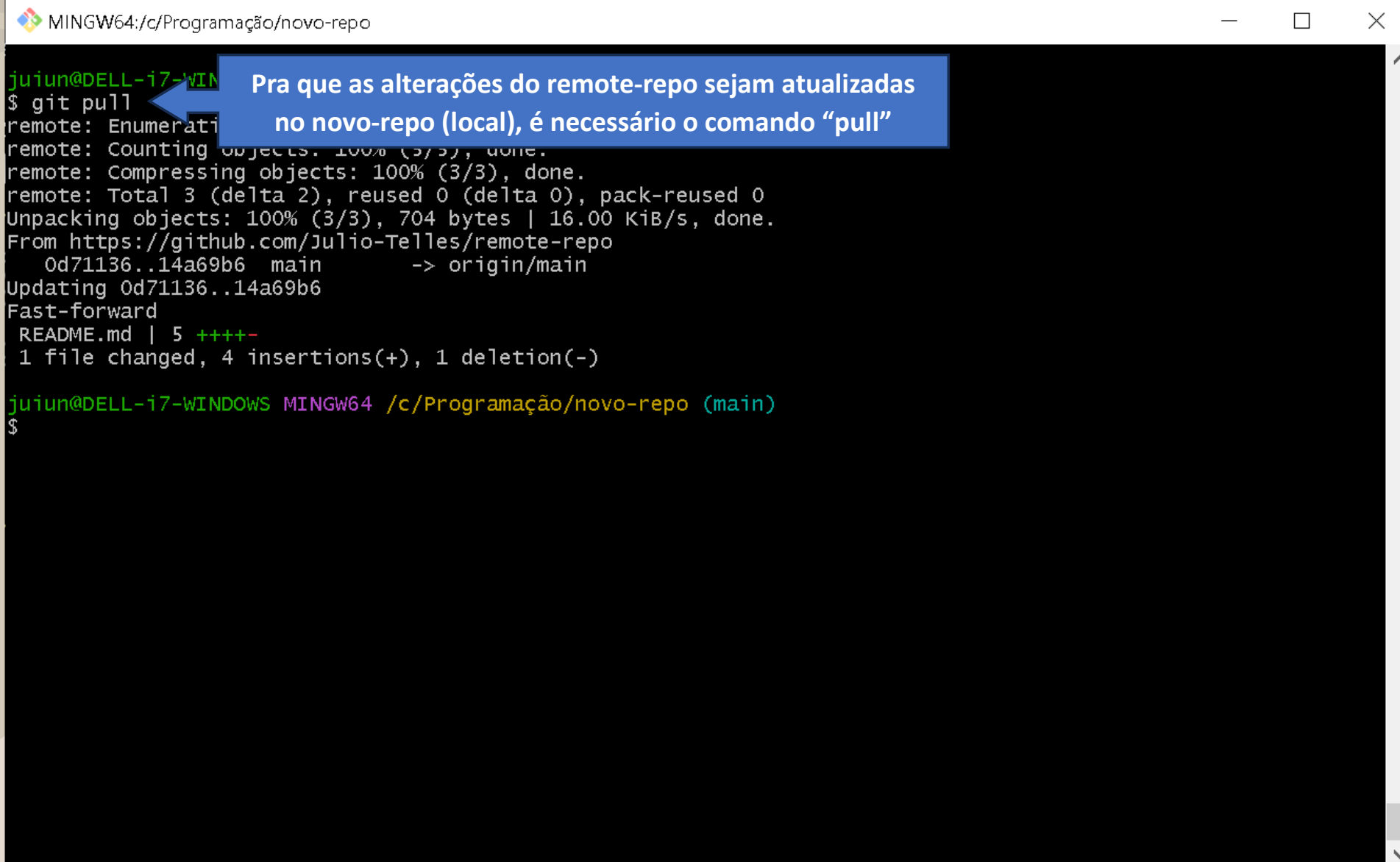
File	Commit Message	Time
.gitignore	commita todas as últimas alterações	1 hour ago
README.md	Atualização do README.md	now
file1.txt	commita todas as últimas alterações	1 hour ago
file2.txt	commita todas as últimas alterações	1 hour ago

**README**

## Versionamento de código

Uma breve descrição sobre o que esse projeto faz e para quem ele é

# ALTERAÇÕES NO REPO REMOTO



```
MINGW64:/c/Programação/novo-repo
juiun@DELL-i7-WIN $ git pull
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 2), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 704 bytes | 16.00 KiB/s, done.
From https://github.com/Julio-Telles/remote-repo
   Od71136..14a69b6  main       -> origin/main
Updating Od71136..14a69b6
Fast-forward
 README.md | 5 ++++-
 1 file changed, 4 insertions(+), 1 deletion(-)

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$
```

Pra que as alterações do remote-repo sejam atualizadas no novo-repo (local), é necessário o comando "pull"

## Trabalhando com Branches

**De maneira simplista, uma Branch (em tradução, “Ramo”), é uma ramificação do seu projeto.**



É um ponteiro móvel para um commit no histórico do repositório;



Quando você cria uma nova Branch a partir de outra existente, a nova se inicia apontando para o mesmo commit da Branch que estava quando foi criada.

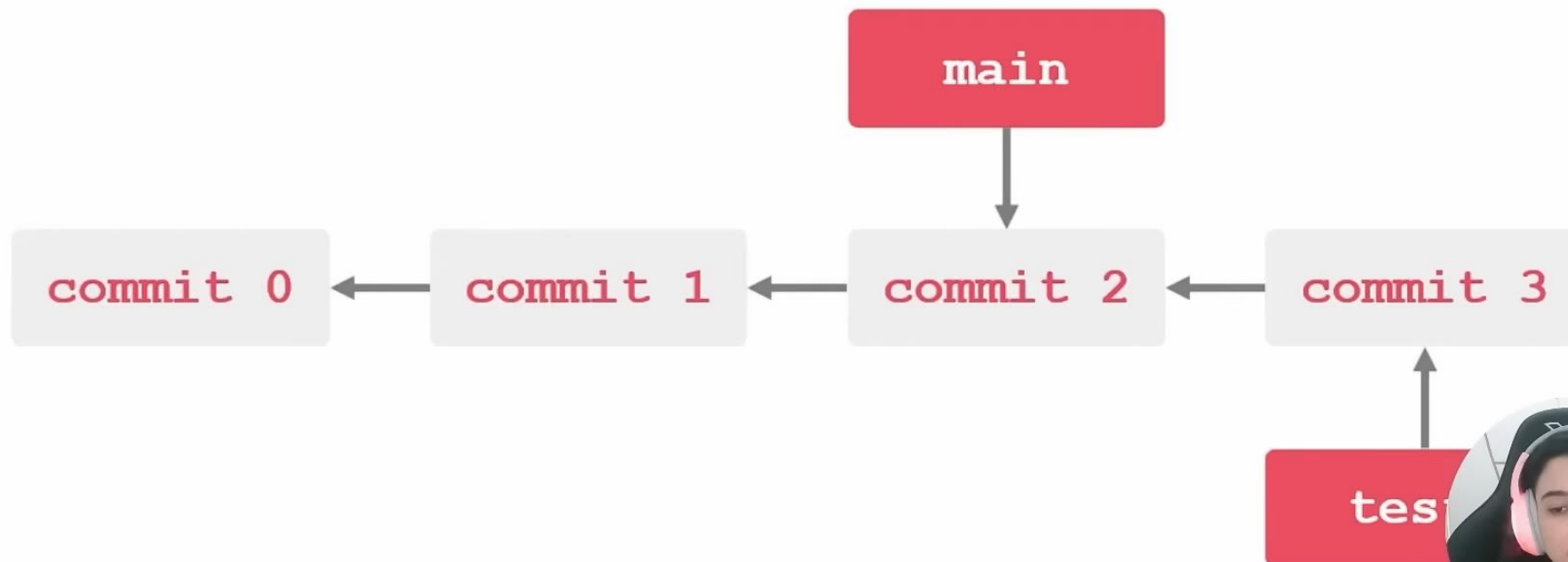


[57]

# USO DE BRANCHES



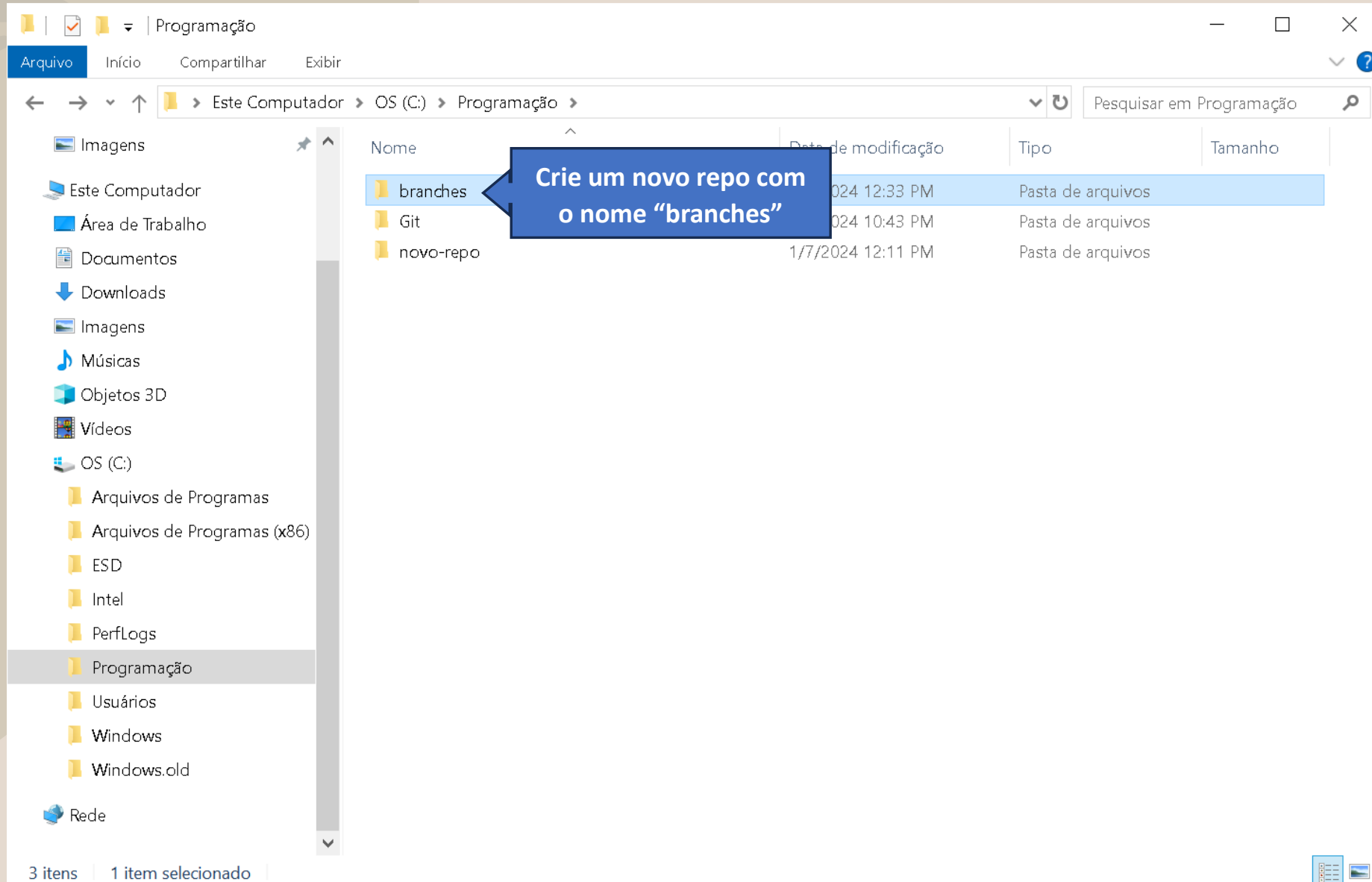
## Trabalhando com Branches



[61]



# USO DE BRANCHES



# USO DE BRANCHES

```
MINGW64:/c/Programação/branches
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches
$ git init
Initialized empty Git repository in C:/Programação/branches/.git/

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$ git status
On branch main

No commits yet

nothing to commit (create/copy files and use "git add" to track)

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$ echo "#commit-0-branch-main" > commit-0-branch-main.txt

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$ git status
On branch main

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
  commit-0-branch-main.txt

nothing added to commit but untracked files present (use "git add" to track)

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$
```

Inicializa o novo repo

Comando que cria um novo arquivo no repo e dá nome a essa alteração

# USO DE BRANCHES

```
MINGW64:/c/Programação/branches
$ git status
On branch main

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        commit-0-branch-main.txt

nothing added to commit but untracked files present (use "git add" to track)

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches
$ git add .
warning: in the working copy of 'commit-0-branch-main.txt', LF will be replaced by CRLF the next time Git touches it

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$ git status
On branch main

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   commit-0-branch-main.txt

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$ git commit -m"commit 0"
[main (root-commit) 7152ddc] commit 0
 1 file changed, 1 insertion(+)
 create mode 100644 commit-0-branch-main.txt

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$ |
```

Adiciona todas as atualizações

“Commita” todas as atualizações

# USO DE BRANCHES

MINGW64:/c/Programação/branches

```
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$ echo "#commit-1-branch-main" > commit-1-branch-main.txt
```

```
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$ git add .
```

warning: in the working copy of 'commit-1-branch-main.txt', LF will be replaced by CRLF the next time Git touches it

```
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$ git commit -m"commit 1"
```

```
[main d35d2f2] commit 1
1 file changed, 1 insertion(+)
create mode 100644 commit-1-branch-main.txt
```

```
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$ echo "#commit-2-branch-main" > commit-2-branch-main.txt
```

```
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$ git add .
```

warning: in the working copy of 'commit-2-branch-main.txt', LF will be replaced by CRLF the next time Git touches it

```
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$ git commit -m"commit 2"
```

```
[main 7ad86ff] commit 2
1 file changed, 1 insertion(+)
create mode 100644 commit-2-branch-main.txt
```

```
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$
```

Crie outros 2 arquivos com seus respectivos commits e veja os arquivos criados na pasta

# USO DE BRANCHES

```
MINGW64:/c/Programação/branches
$ echo "#commit-2-branch-main" > commit-2-branch-main.txt

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$ git add .
warning: in the working copy of 'commit-2-branch-main.txt', LF will be replaced by CRLF the next time Git touches it

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$ git commit -m"commit 2"
[main 7ad86ff] commit 2
1 file changed, 1 insertion(+)
create mode 100644 commit-2-branch-main.txt

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$ git log
commit 7ad86ff705fbc11f0e7cab59f0b81d9e4ec07a6 (HEAD -> main)
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sun Jan 7 12:57:49 2024 -0300

    commit 2

commit d35d2f22acf2ab5707205e241447ecf02304fcc4
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sun Jan 7 12:57:31 2024 -0300

    commit 1

commit 7152ddc66e096231cb82524e84db6a00657b0a94
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sun Jan 7 12:52:52 2024 -0300

    commit 0

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$ |
```

O ponteiro da branch "main" aponta p/ o último commit

# USO DE BRANCHES



The image shows a terminal window titled 'MINGW64:/c/Programação/branches'. The user 'juiun@DELL-i7-WINDOWS' is in the 'main' branch. They execute the command '\$ git checkout -b nova', which switches to a new branch 'nova'. A blue callout box points to this command with the text 'Cria uma nova branch "nova"'. Next, they run '\$ git log', which displays a list of commits. A blue callout box points to the '(HEAD -> nova, main)' part of the log output with the text 'Já altera p/ a branch "nova"'. Another blue callout box points to the first two commits in the log with the text 'Os 2 ponteiros (branches "main" e "nova") apontam p/ o último commit (commit 2)'. The log shows three commits: 'commit 2' (7ad86ff705fbc11f0e7cab59f0b81d9e4ec07a6), 'commit 1' (d35d2f22acf2ab5707205e241447ecf02304fcc4), and 'commit 0' (7152ddc66e096231cb82524e84db6a00657b0a94). The terminal ends with the prompt '\$' in the 'nova' branch.

```
MINGW64:/c/Programação/branches (main)
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$ git checkout -b nova
Switched to a new branch 'nova'

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (nova)
$ git log
commit 7ad86ff705fbc11f0e7cab59f0b81d9e4ec07a6 (HEAD -> nova, main)
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sun Jan 7 12:57:49 2024 -0300

    commit 2

commit d35d2f22acf2ab5707205e241447ecf02304fcc4
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sun Jan 7 12:57:31 2024 -0300

    commit 1

commit 7152ddc66e096231cb82524e84db6a00657b0a94
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sun Jan 7 12:52:52 2024 -0300

    commit 0

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (nova)
$
```

# USO DE BRANCHES

```
MINGW64:/c/Programação/branches
$ git log
commit 7ad86ff705fbc11f0e7cab59f0b81d9e4ec07a6 (HEAD -> nova, main)
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sun Jan 7 12:57:49 2024 -0300

    commit 2

commit d35d2f22acf2ab5707205e241447ecf02304fcc4
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sun Jan 7 12:57:31 2024 -0300

    commit 1

commit 7152ddc66e096231cb82524e84db6a00657b0a94
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sun Jan 7 12:52:52 2024 -0300

    commit 0

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (nova)
$ echo "#commit-3-branch-nova" > commit-3-branch-nova.txt
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (nova)
$ git add .
warning: in the working copy of 'commit-3-branch-nova.txt', LF will be replaced by CRLF the next time Git touches it
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (nova)
$ git commit -m"commit 3"
[nova 3e41abc] commit 3
1 file changed, 1 insertion(+)
create mode 100644 commit-3-branch-nova.txt
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (nova)
$
```

Cria um novo arquivo na pasta

Adiciona todas as atualizações

"Commita" todas as atualizações

# USO DE BRANCHES

```
MINGW64:/c/Programação/branches
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (nova)
$ git commit -m"commit 3"
[nova 3e41abc] commit 3
1 file changed, 1 insertion(+)
create mode 100644 commit-3-branch-nova.txt

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (nova)
$ git log
commit 3e41abcba7ff7e0e4b477bc7657b9e3fc1f19369 (HEAD -> nova)
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sun Jan 7 13:18:13 2024 -0300

    commit 3

commit 7ad86ff705fbc11f0e7cab59f0b81d9e4ec07a6 (main)
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sun Jan 7 12:57:49 2024 -0300

    commit 2

commit d35d2f22acf2ab5707205e241447ecf02304fcc4
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sun Jan 7 12:57:31 2024 -0300

    commit 1

commit 7152ddc66e096231cb82524e84db6a00657b0a94
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sun Jan 7 12:52:52 2024 -0300

    commit 0

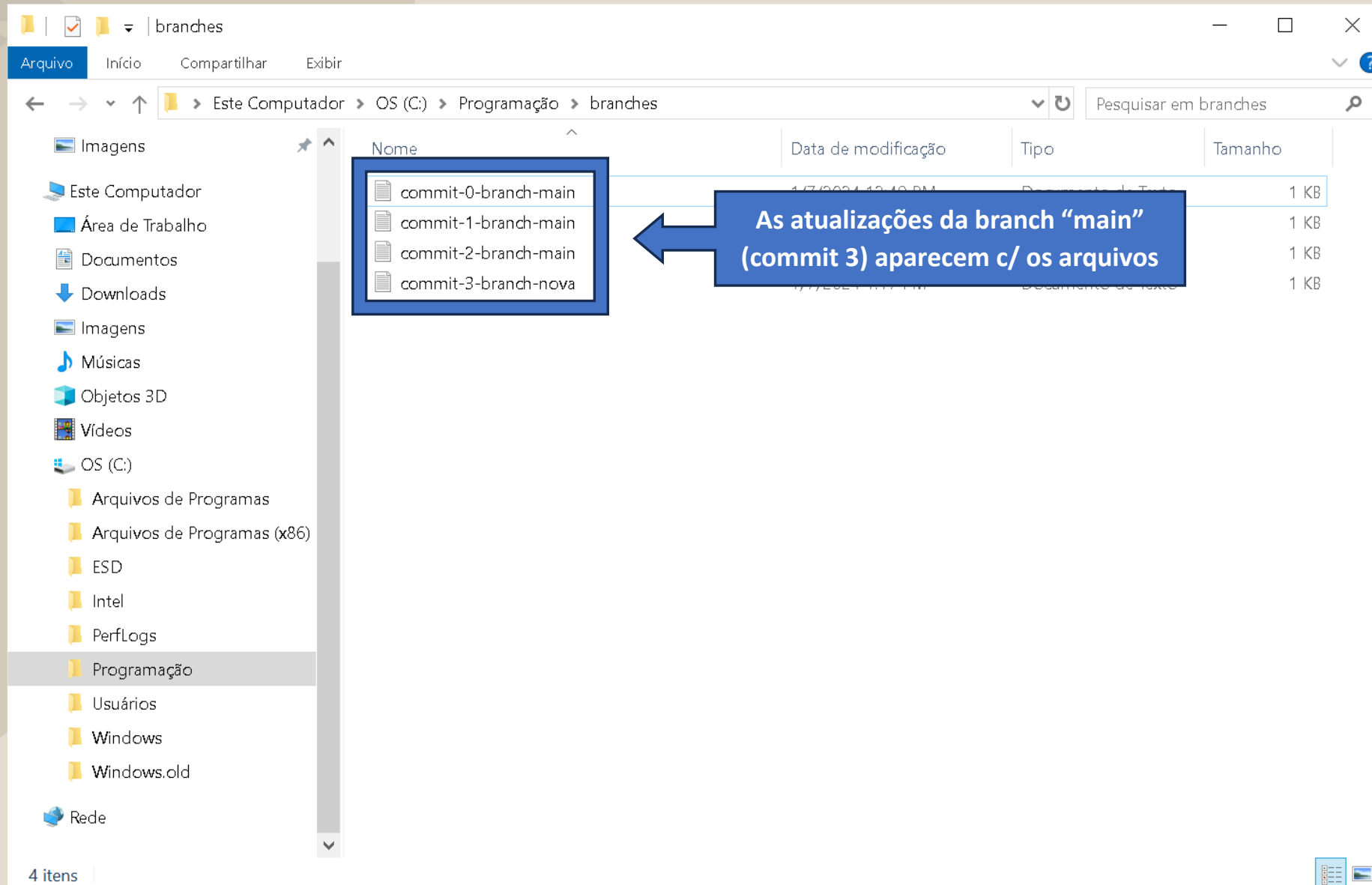
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (nova)
$ |
```

O ponteiro da branch "nova"  
aponta p/ o commit 3

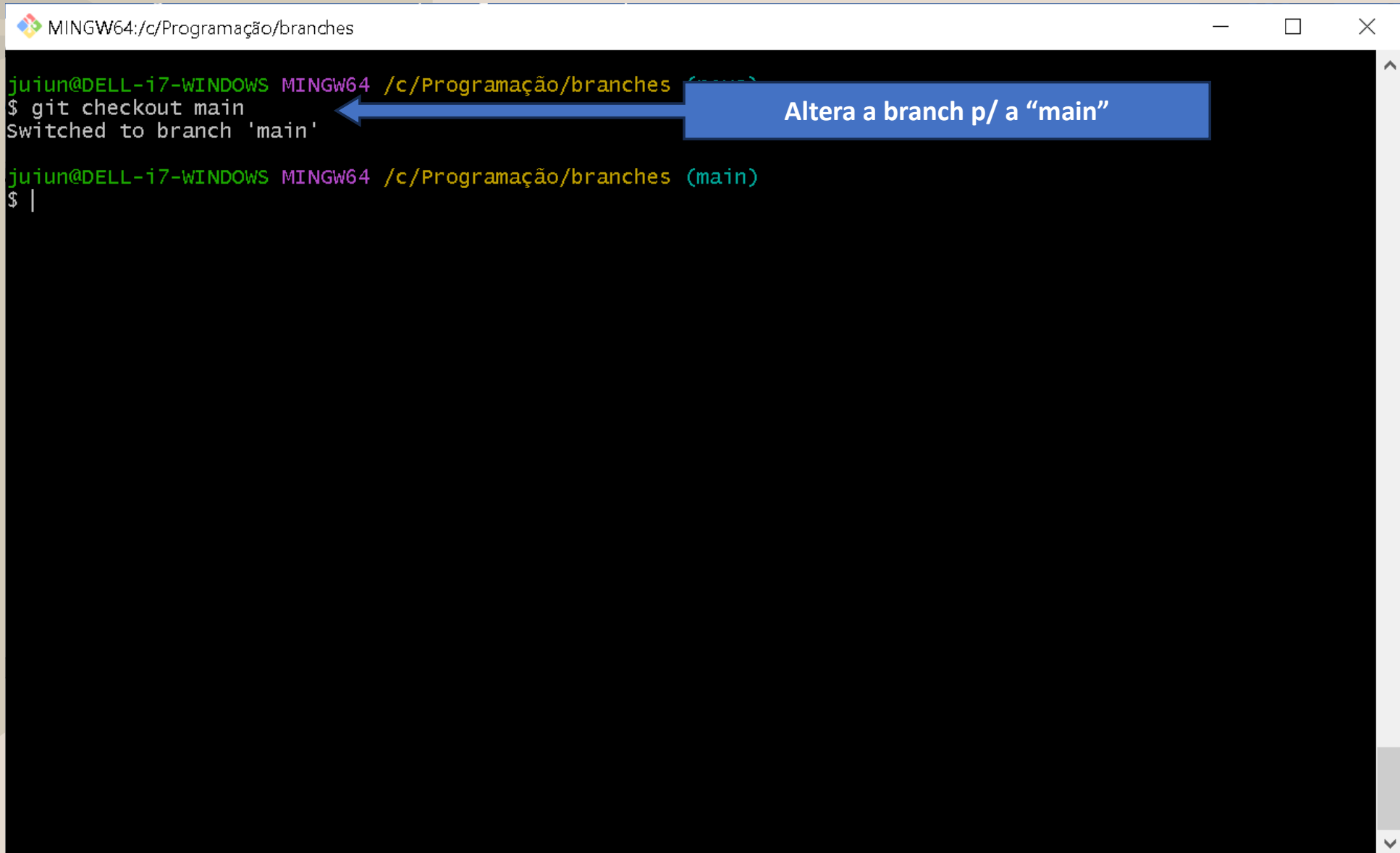
O ponteiro da branch "main"  
aponta p/ o commit 2



# USO DE BRANCHES



# USO DE BRANCHES

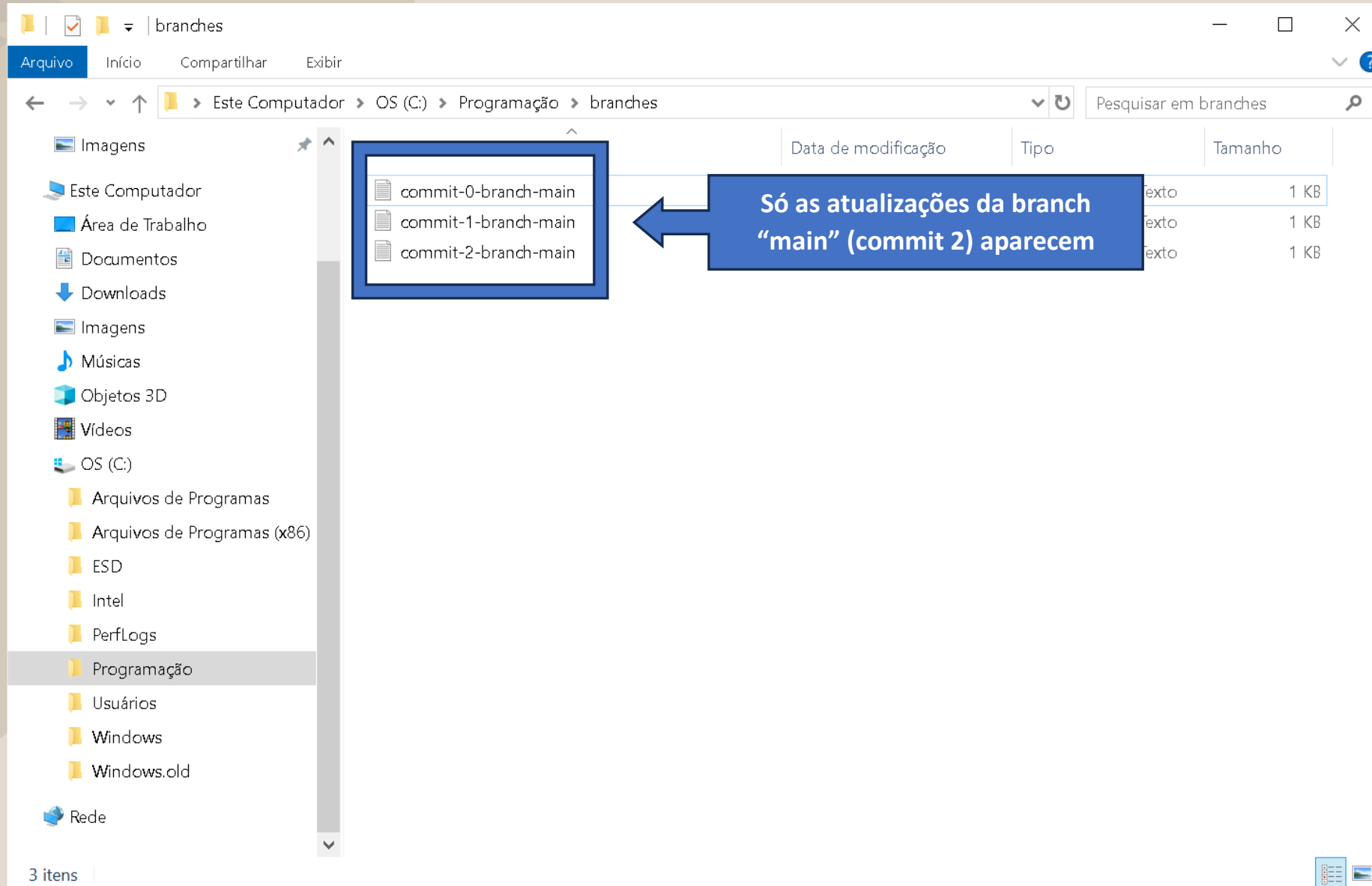


A terminal window titled "MINGW64:/c/Programação/branches" is shown. The prompt is "juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches". The command "\$ git checkout main" has been entered, and the output is "Switched to branch 'main'". A blue callout box with the text "Altera a branch p/ a 'main'" has an arrow pointing to the "main" in the command. Below the command, the prompt is "juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)" and the cursor is on a new line.

```
MINGW64:/c/Programação/branches
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches
$ git checkout main
Switched to branch 'main'

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$ |
```

# USO DE BRANCHES



# USO DE BRANCHES

```
MINGW64:/c/Programação/branches
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (nova)
$ git checkout main
Switched to branch 'main'

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$ git branch -v
* main 7ad86ff commit 2
  nova 3e41abc commit 3

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$ git merge nova
Updating 7ad86ff..3e41abc
Fast-forward
 commit-3-branch-nova.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 commit-3-branch-nova.txt

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$ git branch -v
* main 3e41abc commit 3
  nova 3e41abc commit 3

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$ |
```

Comando que identifica os commits

Comando p/ acatar os commits da branch "nova"

O "merge" absorveu as alterações da branch "nova" p/ a "main"

# USO DE BRANCHES

```
MINGW64:/c/Programação/branches
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (nova)
$ git checkout main
Switched to branch 'main'

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$ git branch -v
* main 7ad86ff commit 2
  nova 3e41abc commit 3

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$ git merge nova
Updating 7ad86ff..3e41abc
Fast-forward
 commit-3-branch-nova.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 commit-3-branch-nova.txt

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$ git branch -v
* main 3e41abc commit 3
  nova 3e41abc commit 3

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$ git branch -d nova
Deleted branch nova (was 3e41abc).

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$ git branch
* main

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/branches (main)
$
```

Comando p/ deletar a branch "nova"

Só identifica a branch "main"

# CONFLITOS ENTRE VERSÕES

Julio-Telles/remote-repo: Testes

https://github.com/Julio-Telles/remote-repo

Julio-Telles / remote-repo

Type / to search

Code Issues Pull requests Actions Projects Security Insights Settings

remote-repo

Unwatch 1 Fork 0 Star 0

main 1 Branch 0 Tags

Go to file Add file Code

Julio-Telles Atualização do README.md 14a69b6 · 3 hours ago 3 Commits

.gitignore	commita todas as últimas alterações	5 hours ago
README.md	Atualização do README.md	3 hours ago
file1.txt	commita todas as últimas alterações	5 hours ago
file2.txt	commita todas as últimas alterações	5 hours ago

README

## Versionamento de código

Uma breve descrição sobre o que esse projeto faz e para quem ele é

About

Testes de comandos Git via repositório local e Git Bash

Readme

Activity

0 stars

1 watching

0 forks

Releases

No releases published

[Create a new release](#)

Packages

No packages published

# CONFLITOS ENTRE VERSÕES

Editing remote-repo/README.m ×

https://github.com/Julio-Telles/remote-repo/edit/main/README.md

Julio-Telles / remote-repo

Code Issues Pull requests Actions Projects Security Insights Settings

Files

main

Go to file

.gitignore

README.md

file1.txt

file2.txt

remote-repo / README.md in main

Cancel changes Commit changes...

Edit Preview Code 55% faster with GitHub Copilot

1 # EDITANDO REMOTO PELO GIT

2

3 Uma breve descrição sobre o que esse projeto faz

4

5 [Meu GitHub](https://github.com/Julio-Telles)

6

7 ## 🤖 Editando título 2

8 - 1º tópico

9 - 2º tópico

10

11 ## 📁 Título 3

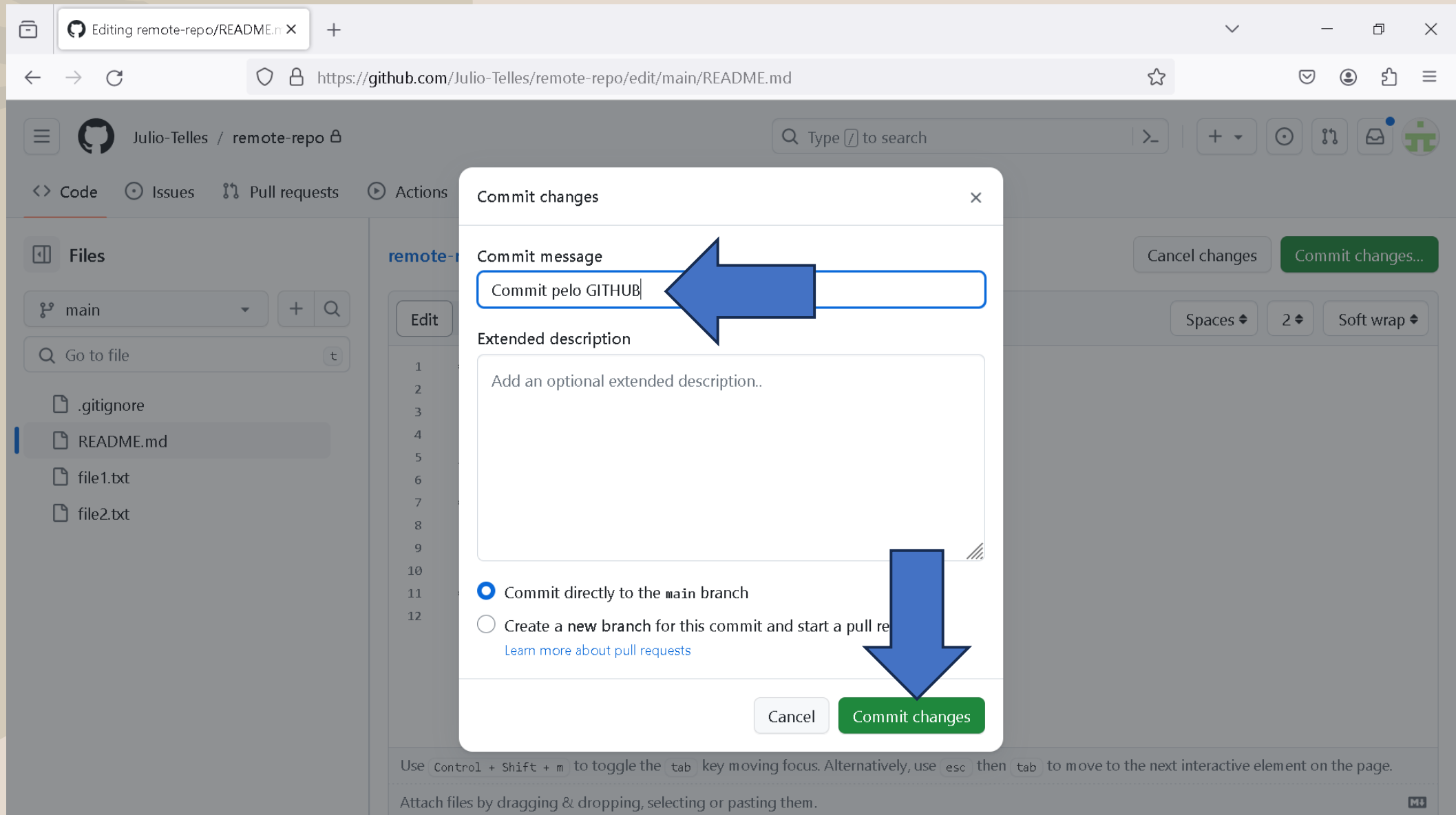
12 -> TESTE

Realize qualquer alteração no arquivo e clique no botão commit

Use `Control + Shift + m` to toggle the `tab` key moving focus. Alternatively, use `esc` then `tab` to move to the next interactive element on the page.

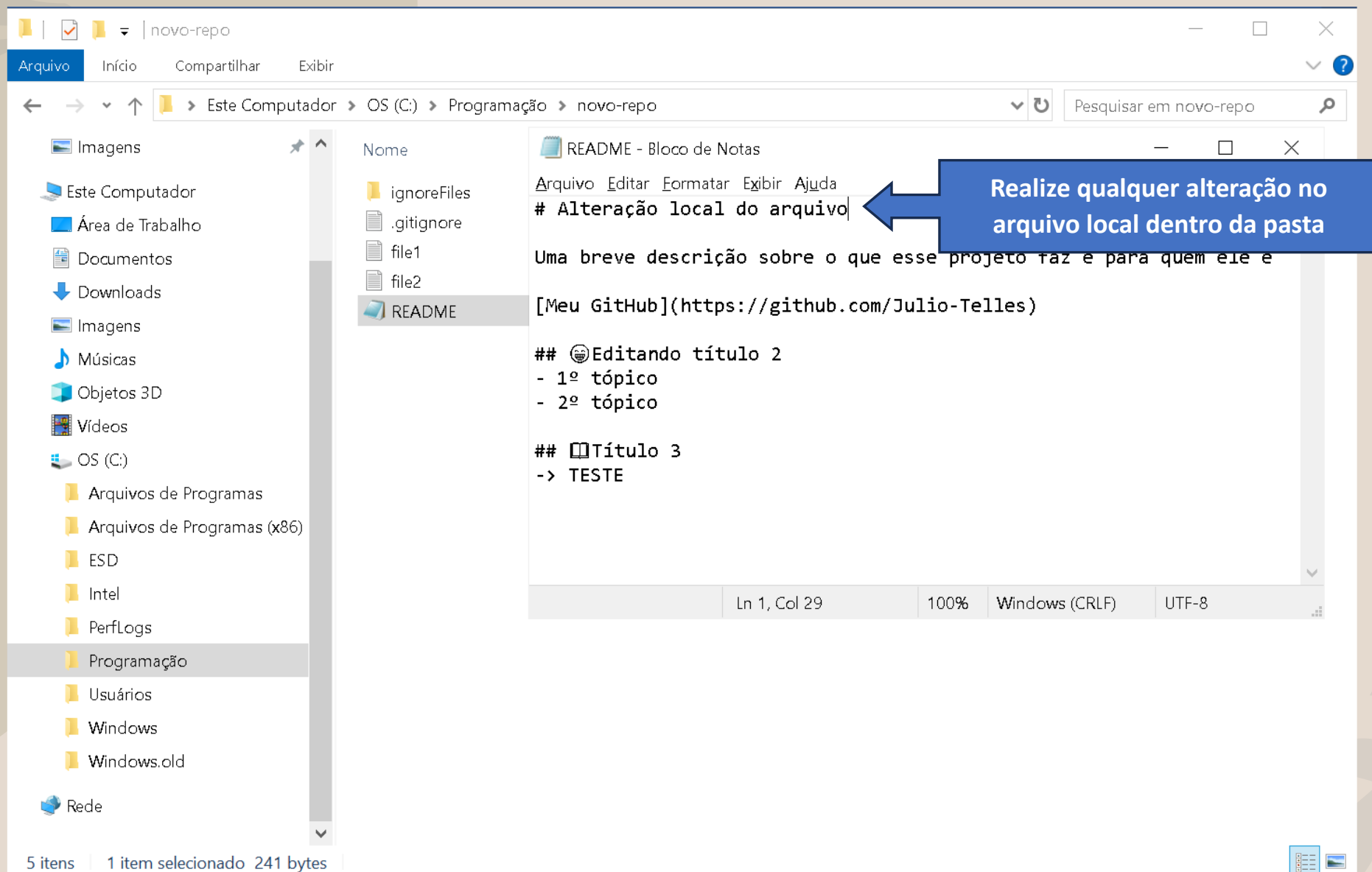
Attach files by dragging & dropping, selecting or pasting them.

# CONFLITOS ENTRE VERSÕES





# CONFLITOS ENTRE VERSÕES



# CONFLITOS ENTRE VERSÕES

```
MINGW64:/c/Programação/novo-repo
$ git add .

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git commit -m"commit local"
[main 6f82597] commit local
1 file changed, 1 insertion(+), 2 deletions(-)

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git log
commit 6f82597f6105fb0ae7e56eb8a0d2c10a663ca4c6 (HEAD -> main)
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sun Jan 7 15:53:11 2024 -0300

    commit local

commit 14a69b69d34f3ccc25aad09f717521a8f43b1dc5 (origin/main)
Author: Julio-Telles <62551057+Julio-Telles@users.noreply.github.com>
Date: Sun Jan 7 12:07:57 2024 -0300

    Atualização do README.md

commit 0d7113618a6e3a269f7c25d99e94ef77082bbbbd
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sun Jan 7 10:43:41 2024 -0300

    commita todas as últimas alterações

commit 2fbb9fffd3663cb447e8848780b993b94da7c1d27
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sat Jan 6 15:10:12 2024 -0300

    primeiro commit

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ |
```

O Git coloca o último commit local pra receber o push

Localmente, o Git acha que o remote-repo ainda está no commit anterior, sem considerar a atualização do GitHub

# CONFLITOS ENTRE VERSÕES

```
MINGW64:/c/Programação/novo-repo

commita todas as últimas alterações

commit 2fbb9ffd3663cb447e8848780b993b94da7c1d27
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sat Jan 6 15:10:12 2024 -0300

primeiro commit

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git push origin main
To https://github.com/Julio-Telles/remote-repo.git
! [rejected]        main -> main (fetch first)
error: failed to push some refs to 'https://github.com/Julio-Telles/remote-repo.git'
hint: Updates were rejected because the remote contains work that you do not
hint: have locally. This is usually caused by another repository pushing to
hint: the same ref. If you want to integrate the remote changes, use
hint: 'git pull' before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.

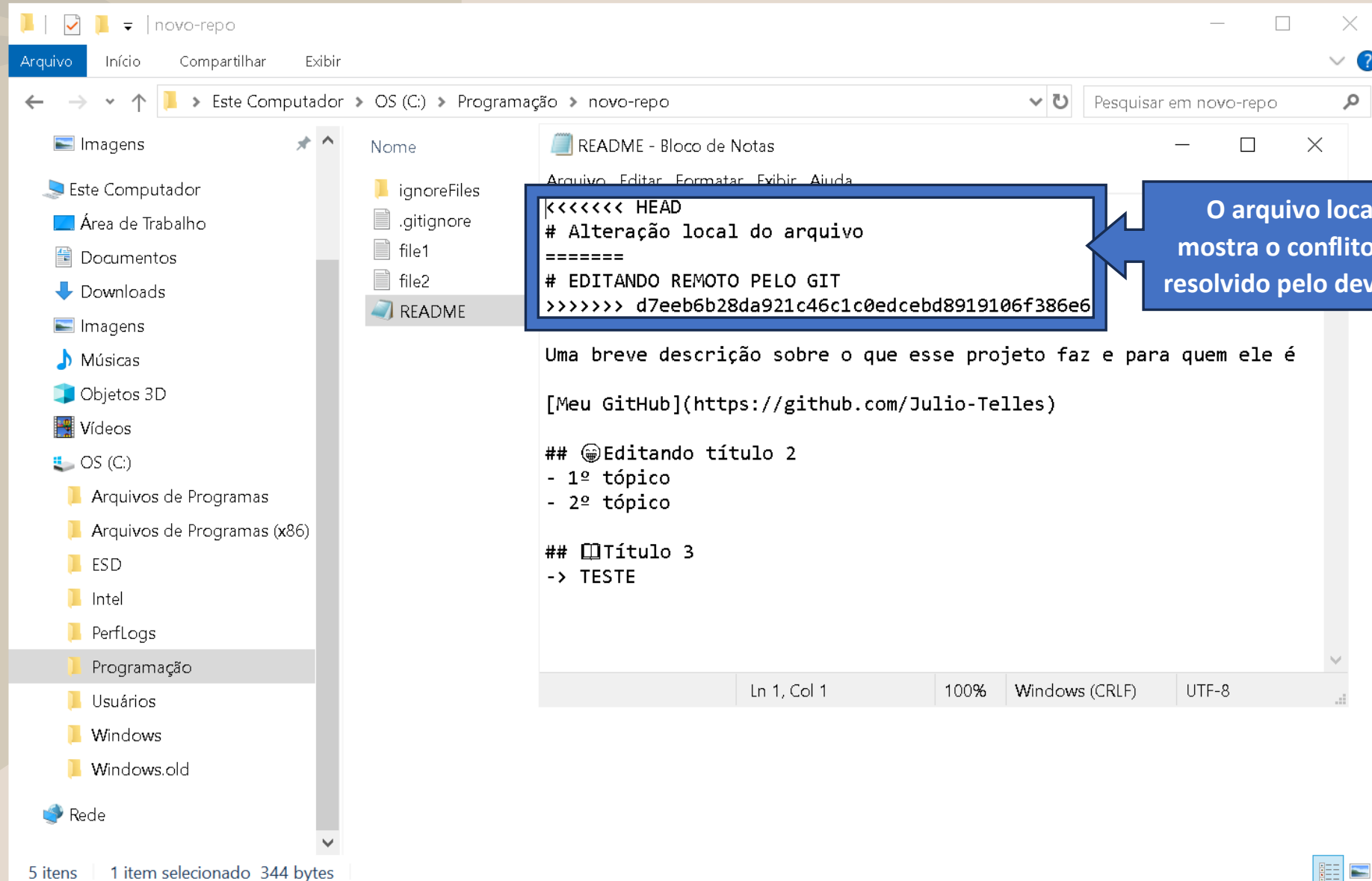
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git pull
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 2), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 692 bytes | 32.00 KiB/s, done.
From https://github.com/Julio-Telles/remote-repo
 14a69b6..d7eeb6b  main      -> origin/main
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
Automatic merge failed; fix conflicts and then commit the result.

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main|MERGING)
$
```

O push é rejeitado pq há uma alteração feita remotamente antes da local

Aqui, mostra claramente que o arquivo "README.md" está em conflito e que devemos escolher o que fazer com ele

# CONFLITOS ENTRE VERSÕES



# CONFLITOS ENTRE VERSÕES

MINGW64:/c/Programação/novo-repo

hint: 'git pull' before pushing again.  
hint: See the 'Note about fast-forwards' in 'git push --help' for details.

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)

\$ git pull

remote: Enumerating objects: 5, done.  
remote: Counting objects: 100% (5/5), done.  
remote: Compressing objects: 100% (3/3), done.  
remote: Total 3 (delta 2), reused 0 (delta 0), pack-reused 0  
Unpacking objects: 100% (3/3), 692 bytes | 32.00 KiB/s, done.  
From https://github.com/Julio-Telles/remote-repo  
14a69b6..d7eeb6b main -> origin/main  
Auto-merging README.md  
CONFLICT (content): Merge conflict in README.md  
Automatic merge failed; fix conflicts and then commit the result.

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main|MERGING)

\$ git status

On branch main

Your branch and 'origin/main' have diverged,  
and have 1 and 1 different commits each, respectively.  
(use "git pull" if you want to integrate the remote branch with yours)

You have unmerged paths.

(fix conflicts and run "git commit")  
(use "git merge --abort" to abort the merge)

Unmerged paths:

(use "git add <file>..." to mark resolution)  
both modified: README.md

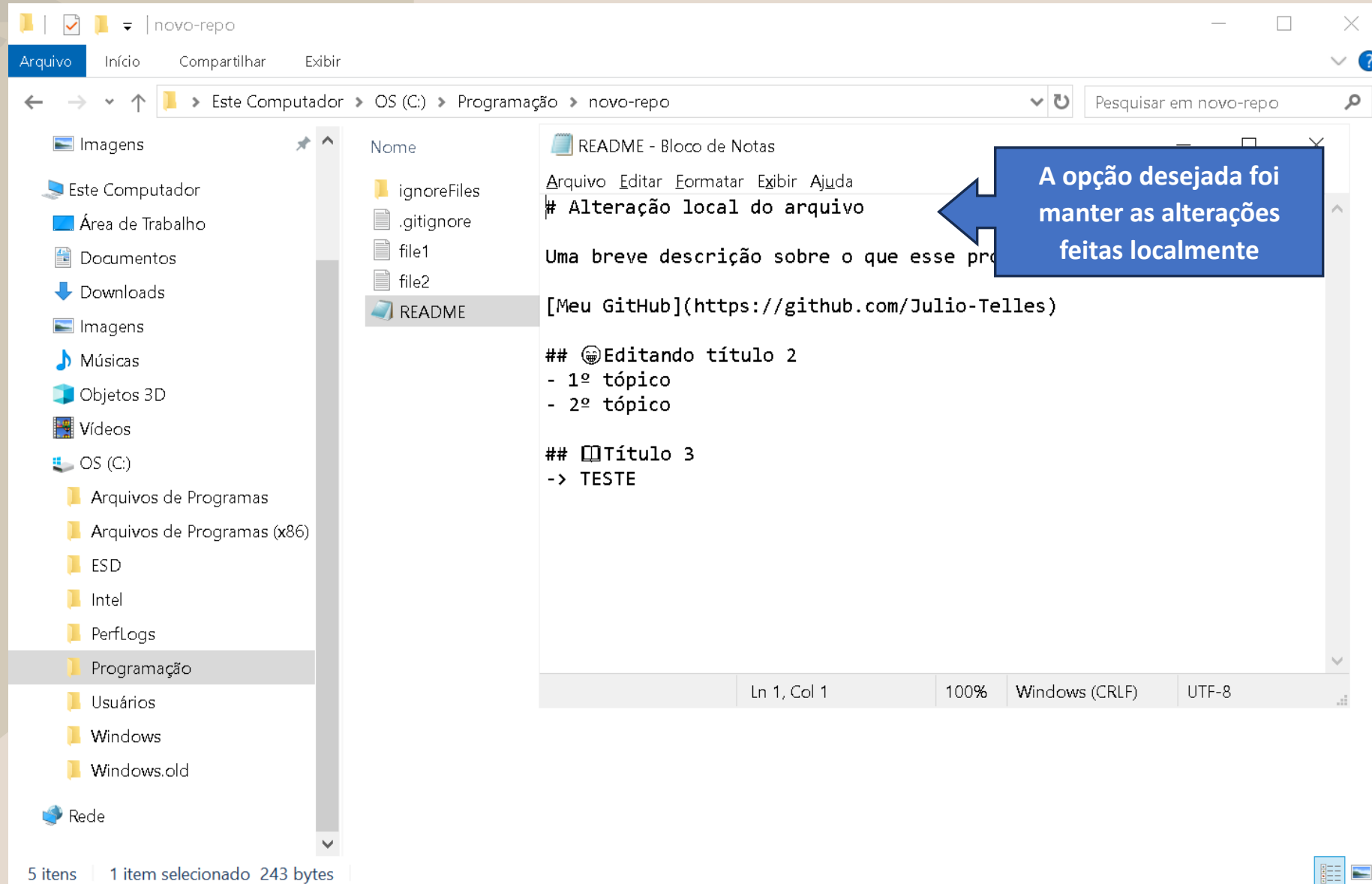
no changes added to commit (use "git add" and/or "git commit -a")

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main|MERGING)

\$

Conflito confirmado  
através do comando "git  
status"

# CONFLITOS ENTRE VERSÕES



# CONFLITOS ENTRE VERSÕES

```
MINGW64:/c/Programação/novo-repo
Your branch and 'origin/main' have diverged,
and have 1 and 1 different commits each, respectively.
(use "git pull" if you want to integrate the remote branch with yours)

You have unmerged paths.
(fix conflicts and run "git commit")
(use "git merge --abort" to abort the merge)

Unmerged paths:
(use "git add <file>..." to mark resolution)
    both modified:   README.md

no changes added to commit (use "git add" and/or "git commit -a")

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main|MERGING)
$ git add .

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main|MERGING)
$ git commit -m"commit após conflito resolvido"
[main 3a15a43] commit após conflito resolvido

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git push origin main
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Delta compression using up to 4 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 603 bytes | 603.00 KiB/s, done.
Total 6 (delta 4), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (4/4), completed with 2 local objects.
To https://github.com/Julio-Telles/remote-repo.git
    d7eeb6b..3a15a43  main -> main

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ |
```

Após o add e o commit, o push é aceito normalmente devido ao conflito resolvido

# CONFLITOS ENTRE VERSÕES

The screenshot shows the GitHub interface for a repository named 'remote-repo'. The browser address bar shows the URL 'remote-repo/blob/main/README.md'. A blue callout box with an arrow points to the refresh button in the browser, with the text 'Atualize a página'. The repository page shows a commit by 'Julio-Telles' with the message 'commit após conflito resolvido'. A blue callout box with an arrow points to the commit message, with the text 'As alterações feitas na pasta local já são atualizadas no remote-repo também!'. The file 'README.md' is selected in the left sidebar. The main content area shows the 'README.md' file with a preview of the content.

remote-repo/README.md at m · X

← → ↻ ← **Atualize a página** remote-repo/blob/main/README.md

Julio-Telles / remote-repo

Code Issues Pull requests Actions Projects Security Insights Settings

Files

main + 🔍

Go to file 🔍

- .gitignore
- README.md**
- file1.txt
- file2.txt

remote-repo / README.md

Julio-Telles commit após conflito resolvido 3a15a43 · 3 minutes ago History

Preview Code Blame 12 lines (8 loc) · 231 Bytes Code 55% faster with GitHub Copilot Raw 📄 ⬇️ ✎ ⋮

**Alteração local do arquivo** ← **As alterações feitas na pasta local já são atualizadas no remote-repo também!**

Uma breve descrição sobre o que esse projeto faz e para quem ele é

[Meu GitHub](#)

😊 Editando título 2

- 1º tópico
- 2º tópico

📖 Título 3



# COMANDOS ÚTEIS

The screenshot displays the GitHub interface for a repository named 'remote-repo' owned by 'Julio-Telles'. The repository is private and has 1 branch and 0 tags. The 'Add file' button is highlighted with a blue callout box that says 'Crie um arquivo no remote-repo'. The repository contains four files: .gitignore, README.md, file1.txt, and file2.txt. The README file is selected, showing its content: 'Alteração local do arquivo'.

remote-repo Private

main 1 Branch 0 Tags

Go to file

Add file

Create new file

Upload files

Julio-Telles commit após conflito resolvido 3a15a43

.gitignore	commita todas as últimas alterações	5 hours ago
README.md	commit após conflito resolvido	7 minutes ago
file1.txt	commita todas as últimas alterações	5 hours ago
file2.txt	commita todas as últimas alterações	5 hours ago

README

## Alteração local do arquivo

https://github.com/Julio-Telles/remote-repo/new/main

About

Readme

Activity

0 stars

1 watching

0 forks

Releases

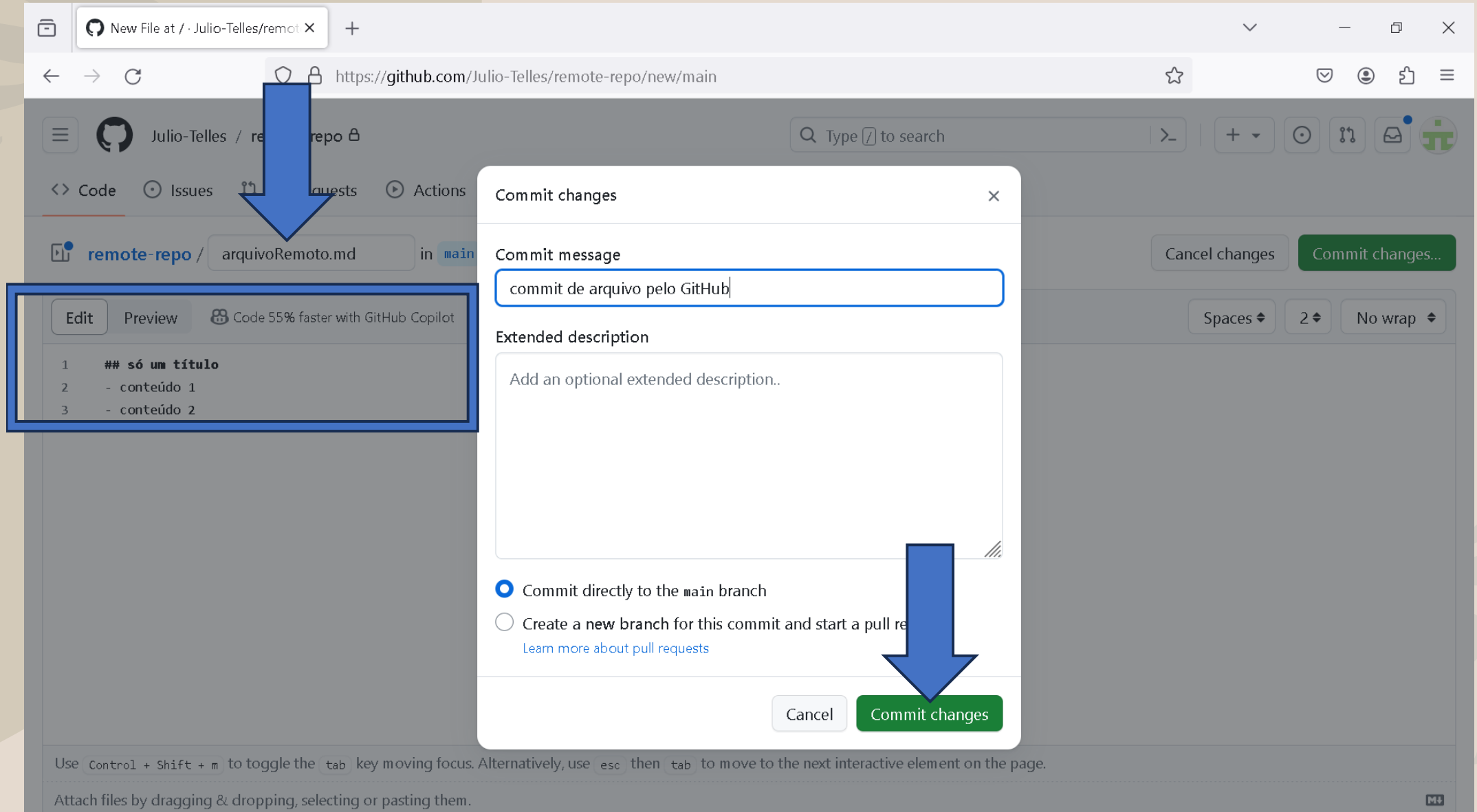
No releases published

[Create a new release](#)

Packages

No packages published

# COMANDOS ÚTEIS



# COMANDOS ÚTEIS

```
MINGW64:/c/Programação/novo-repo
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git log
commit 3a15a4326a373d5417801072e59ddafd2bf8622e (HEAD -> main, origin/main)
Merge: 6f82597 d7eeb6b
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sun Jan 7 16:10:33 2024 -0300

    commit após conflito resolvido

commit 6f82597f6105fb0ae7e56eb8a0d2c10a603ca7e0
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sun Jan 7 15:53:11 2024 -0300

    commit local

commit d7eeb6b28da921c46c1c0edcebd8919106f386e6
Author: Julio-Telles <62551057+Julio-Telles@users.noreply.github.com>
Date: Sun Jan 7 15:46:03 2024 -0300

    Commit pelo GITHUB

commit 14a69b69d34f3ccc25aad09f717521a8f43b1dc5
Author: Julio-Telles <62551057+Julio-Telles@users.noreply.github.com>
Date: Sun Jan 7 12:07:57 2024 -0300

    Atualização do README.md

commit 0d7113618a6e3a269f7c25d99e94ef77082bbbbd
Author: Julio-Telles <julio.telles_df@yahoo.com>
Date: Sun Jan 7 10:43:41 2024 -0300

    commita todas as últimas alterações

commit 2fbb9ffd3663cb447e8848780b993b94da7c1d27
```

O commit feito no remote-repo não  
consta no git log localmente (novo-repo)

# COMANDOS ÚTEIS

```
MINGW64:/c/Programação/novo-repo
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (mai
$ git fetch origin main
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 695 bytes | 34.00 KiB/s, done.
From https://github.com/Julio-Telles/remote-repo
 * branch          main          -> FETCH_HEAD
    3a15a43..5fbbc18  main        -> origin/main

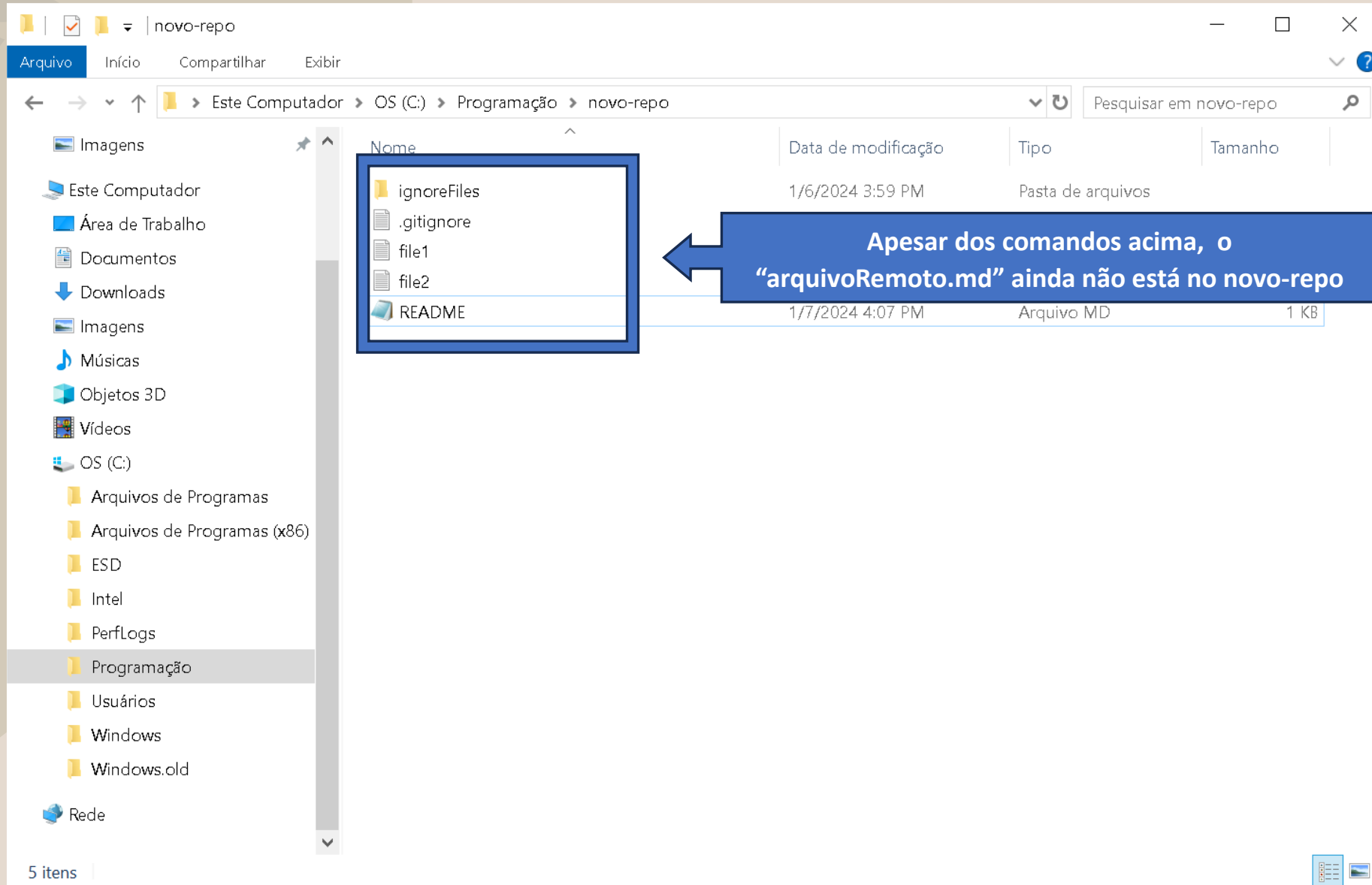
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git diff main origin/main
diff --git a/arquivoRemoto.md b/arquivoRemoto.md
new file mode 100644
index 0000000..b2f2792
--- /dev/null
+++ b/arquivoRemoto.md
@@ -0,0 +1,3 @@
+## só um título
+- conteúdo 1
+- conteúdo 2

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$
```

Baixa as alterações do remote-repo

Identifica as diferenças entre o local e o remote-repo pelo comando "diff"

# COMANDOS ÚTEIS



# COMANDOS ÚTEIS

```
MINGW64:/c/Programação/novo-repo
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git fetch origin main
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 695 bytes | 34.00 KiB/s, done.
From https://github.com/Julio-Telles/remote-repo
* branch          main          -> FETCH_HEAD
  3a15a43..5fbbc18  main          -> origin/main

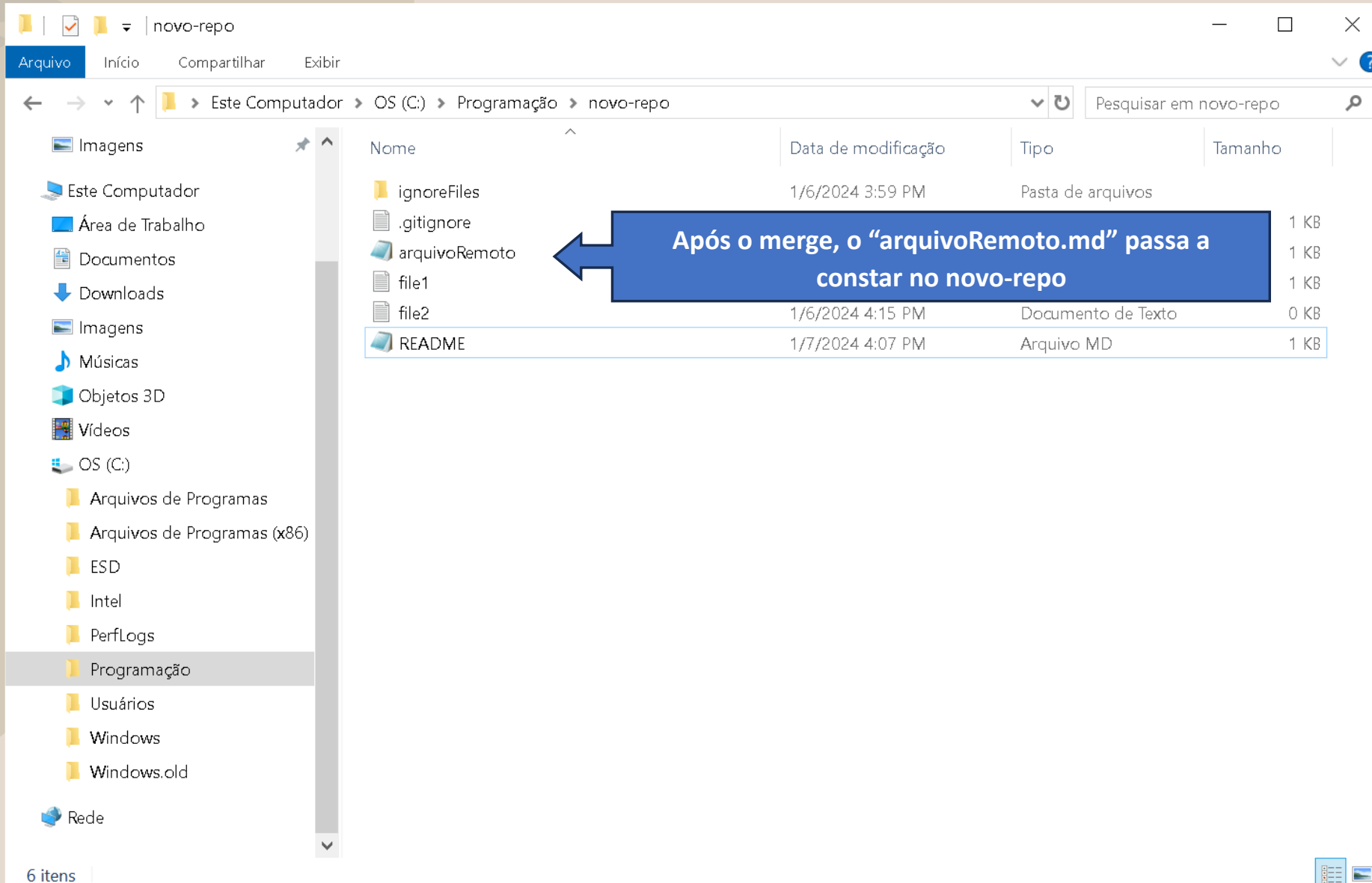
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git diff main origin/main
diff --git a/arquivoRemoto.md b/arquivoRemoto.md
new file mode 100644
index 0000000..b2f2792
--- /dev/null
+++ b/arquivoRemoto.md
@@ -0,0 +1,3 @@
+## só um título
+- conteúdo 1
+- conteúdo 2

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (mai
$ git merge origin/main
Updating 3a15a43..5fbbc18
Fast-forward
 arquivoRemoto.md | 3 +++
 1 file changed, 3 insertions(+)
 create mode 100644 arquivoRemoto.md

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$
```

Só o merge que “adiciona” o arquivo do remote-repo

# COMANDOS ÚTEIS



# VÁRIAS BRANCHES

The screenshot shows a web browser window displaying the GitHub repository page for 'Julio-Telles/remote-repo'. The browser's address bar shows the URL 'https://github.com/Julio-Telles/remote-repo/tree/main'. The repository page includes a navigation bar with links for Code, Issues, Pull requests, Actions, Projects, Security, Insights, and Settings. The repository name 'remote-repo' is marked as 'Private'. On the right, there are buttons for 'Unwatch' (1), 'Fork' (0), and 'Star' (0). Below the navigation bar, there is a 'Switch branches/tags' dropdown menu. This menu is open, showing a search bar 'Find or create a branch...', tabs for 'Branches' and 'Tags', a list of branches including 'main' (marked as 'default'), and a 'View all branches' link. A blue callout box with a white arrow points to the 'View all branches' link, containing the text 'Veja todas as branches no remote-repo'. The main content area shows a list of commits, with the most recent one being '5fbbcb18 · 22 minutes ago' with '7 Commits'. The commit message is 'commita todas as últimas alterações'. Below the commits, there is a 'file2.txt' file and a 'README' section. The right sidebar contains an 'About' section with the text 'Testes de comandos Git via repositório local e Git Bash', and 'Releases' and 'Packages' sections, both indicating 'No releases published' and 'No packages published' respectively.

Julio-Telles/remote-repo: Testes x

https://github.com/Julio-Telles/remote-repo/tree/main

Julio-Telles / remote-repo

Type / to search

<> Code Issues Pull requests Actions Projects Security Insights Settings

remote-repo Private

Unwatch 1 Fork 0 Star 0

main 1 Branch 0 Tags

Go to file Add file <> Code

Switch branches/tags

Find or create a branch...

Branches Tags

✓ main default

View all branches

file2.txt

5fbbcb18 · 22 minutes ago 7 Commits

commita todas as últimas alterações 6 hours ago

commit após conflito resolvido 36 minutes ago

commit de arquivo pelo GitHub 22 minutes ago

commita todas as últimas alterações 6 hours ago

commita todas as últimas alterações 6 hours ago

README

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Testes de comandos Git via repositório local e Git Bash

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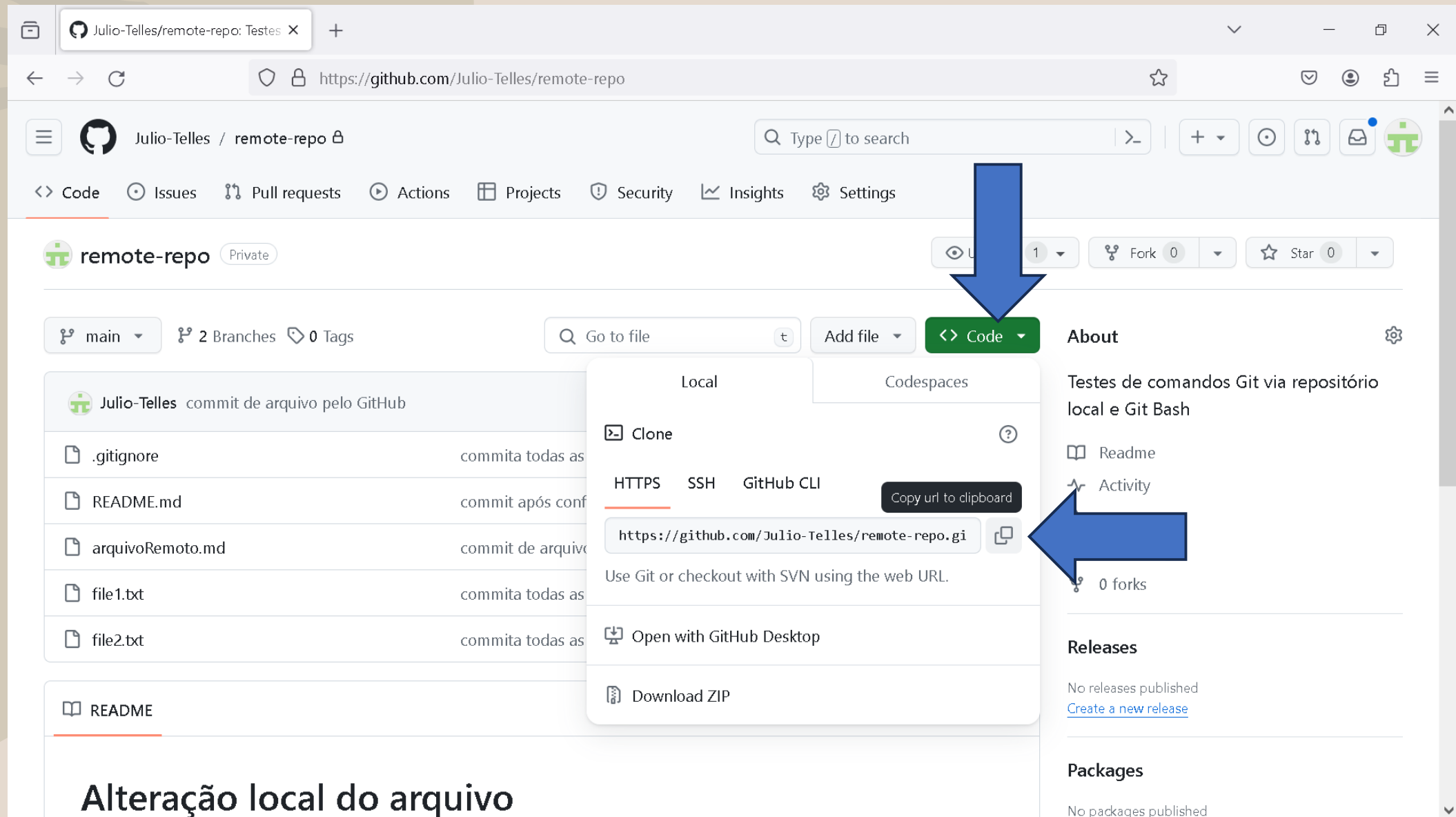
No packages published



# VÁRIAS BRANCHES

The image shows a screenshot of the GitHub web interface for a repository named 'remote-repo' by user 'Julio-Telles'. The 'Branches' tab is selected, showing a list of branches with 'main' as the default. A modal dialog titled 'Create new branch' is open in the center. The dialog has a 'New branch name' input field containing 'branch-1' and a 'Source' dropdown menu set to 'main'. A blue arrow points from the top of the dialog to the input field, and another blue arrow points from the input field to the 'Create new branch' button. The background is slightly dimmed to highlight the modal.

# VÁRIAS BRANCHES



Julio-Telles/remote-repo: Testes x

https://github.com/Julio-Telles/remote-repo

Julio-Telles / remote-repo

Type / to search

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remote-repo Private

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Go to file

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Local

Codespaces

Clone

HTTPS SSH GitHub CLI

Copy url to clipboard

https://github.com/Julio-Telles/remote-repo.git

Use Git or checkout with SVN using the web URL.

Open with GitHub Desktop

Download ZIP

commit de arquivo pelo GitHub

.gitignore commita todas as

README.md commit após conf

arquivoRemoto.md commit de arquivo

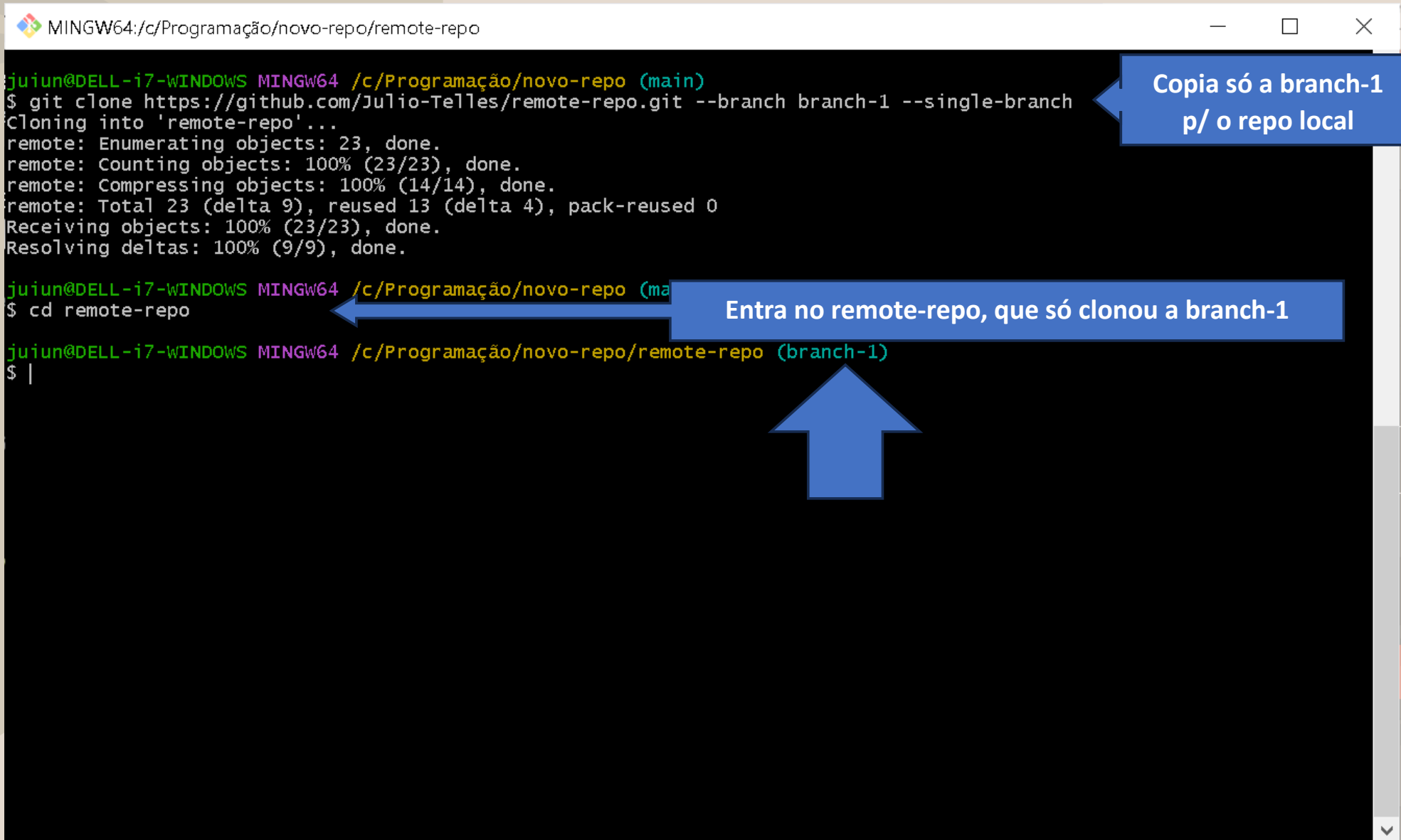
file1.txt commita todas as

file2.txt commita todas as

README

Alteração local do arquivo

# VÁRIAS BRANCHES



The image shows a terminal window with a black background and white text. The window title is 'MINGW64:/c/Programação/novo-repo/remote-repo'. The terminal output shows the following commands and their results:

```
juin@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ git clone https://github.com/Julio-Telles/remote-repo.git --branch branch-1 --single-branch
Cloning into 'remote-repo'...
remote: Enumerating objects: 23, done.
remote: Counting objects: 100% (23/23), done.
remote: Compressing objects: 100% (14/14), done.
remote: Total 23 (delta 9), reused 13 (delta 4), pack-reused 0
Receiving objects: 100% (23/23), done.
Resolving deltas: 100% (9/9), done.

juin@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ cd remote-repo

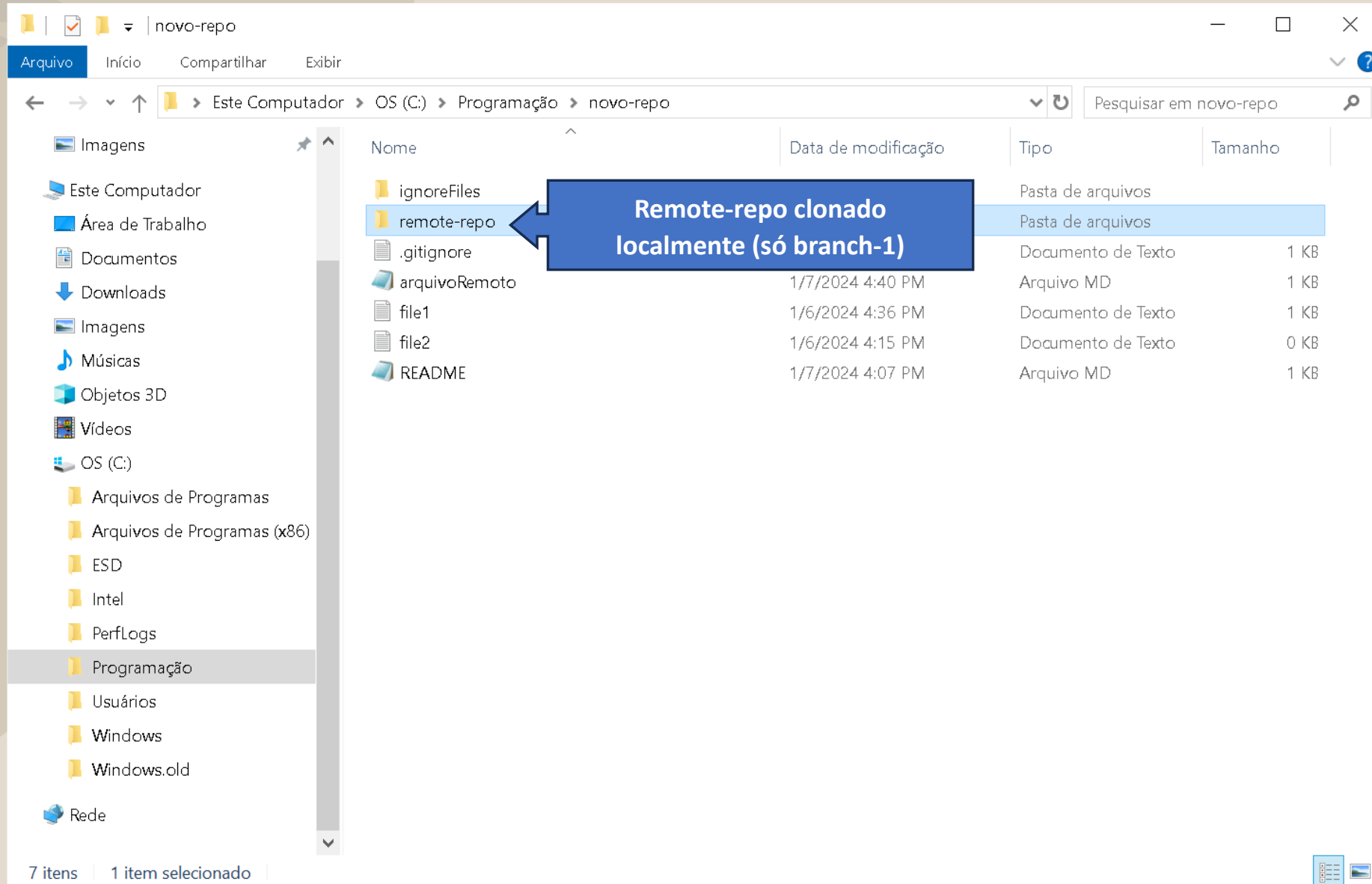
juin@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo/remote-repo (branch-1)
$ |
```

Two blue callout boxes with white text and arrows point to specific parts of the terminal output:

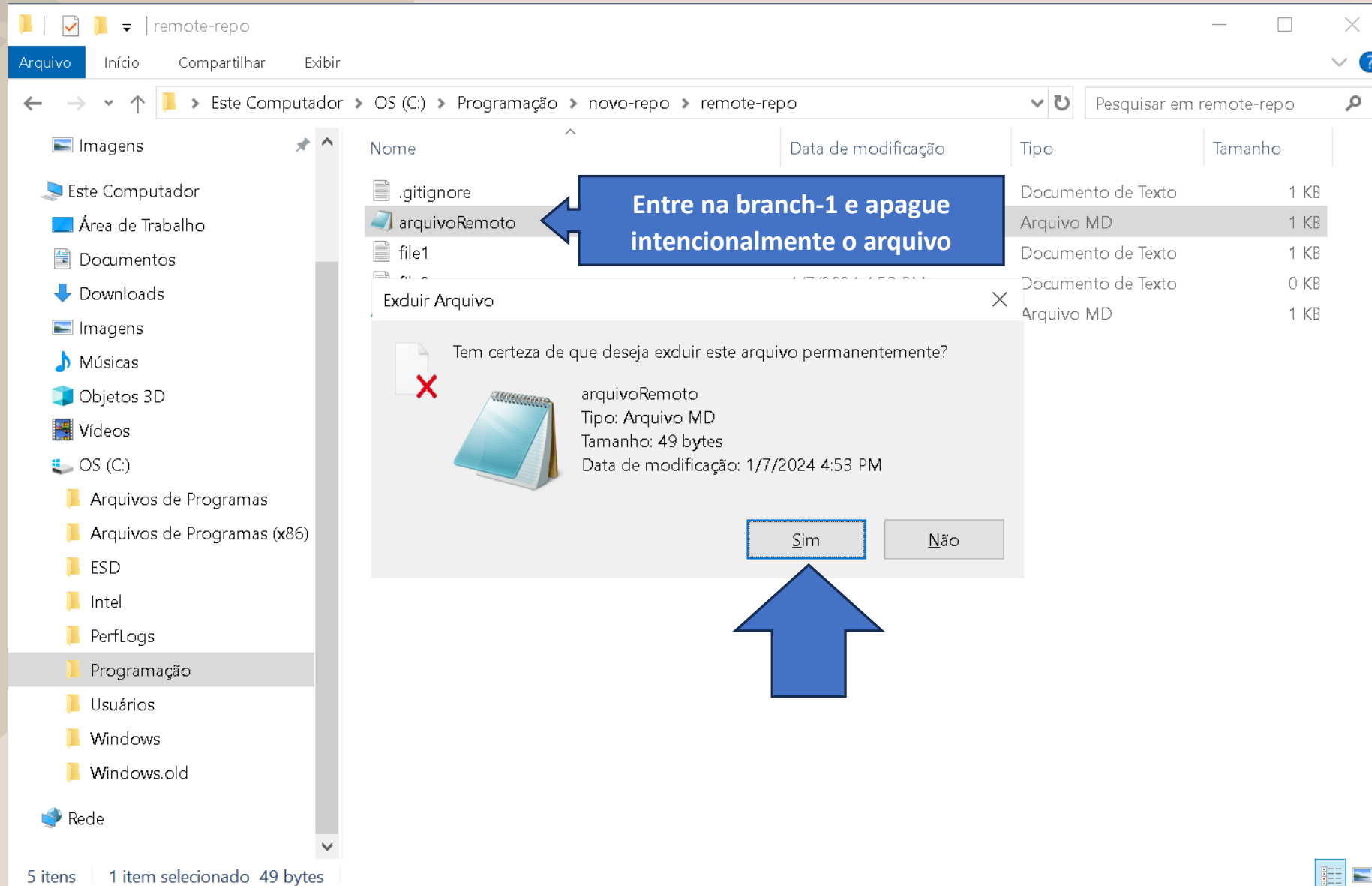
- The first box, located on the right, contains the text "Copia só a branch-1 p/ o repo local" and has an arrow pointing to the `--branch branch-1 --single-branch` part of the `git clone` command.
- The second box, located in the middle, contains the text "Entra no remote-repo, que só clonou a branch-1" and has an arrow pointing to the `cd remote-repo` command.

A large blue arrow points upwards from the bottom towards the `(branch-1)` prompt in the terminal.

# VÁRIAS BRANCHES



# VÁRIAS BRANCHES



# VÁRIAS BRANCHES

```
MINGW64:/c/Programação/novo-repo/remote-repo
$ git clone https://github.com/Julio-Telles/remote-repo.git --branch branch-1 --single-branch
Cloning into 'remote-repo'...
remote: Enumerating objects: 23, done.
remote: Counting objects: 100% (23/23), done.
remote: Compressing objects: 100% (14/14), done.
remote: Total 23 (delta 9), reused 13 (delta 4), pack-reused 0
Receiving objects: 100% (23/23), done.
Resolving deltas: 100% (9/9), done.

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo (main)
$ cd remote-repo

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo/remote-repo (branch-1)
$ git status
On branch branch-1
Your branch is up to date with 'origin/branch-1'.

Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    deleted:    arquivoRemoto.md

no changes added to commit (use "git add" and/or "git commit -a")

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo/remote-repo
$ git stash
Saved working directory and index state WIP on branch-1: 5fbbc18 commit de arquivo pelo GitHub

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo/remote-repo
$ git stash list
stash@{0}: WIP on branch-1: 5fbbc18 commit de arquivo pelo GitHub

juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo/remote-repo (branch-1)
$ git checkout -b branch-2
Switched to a new branch 'branch-2'

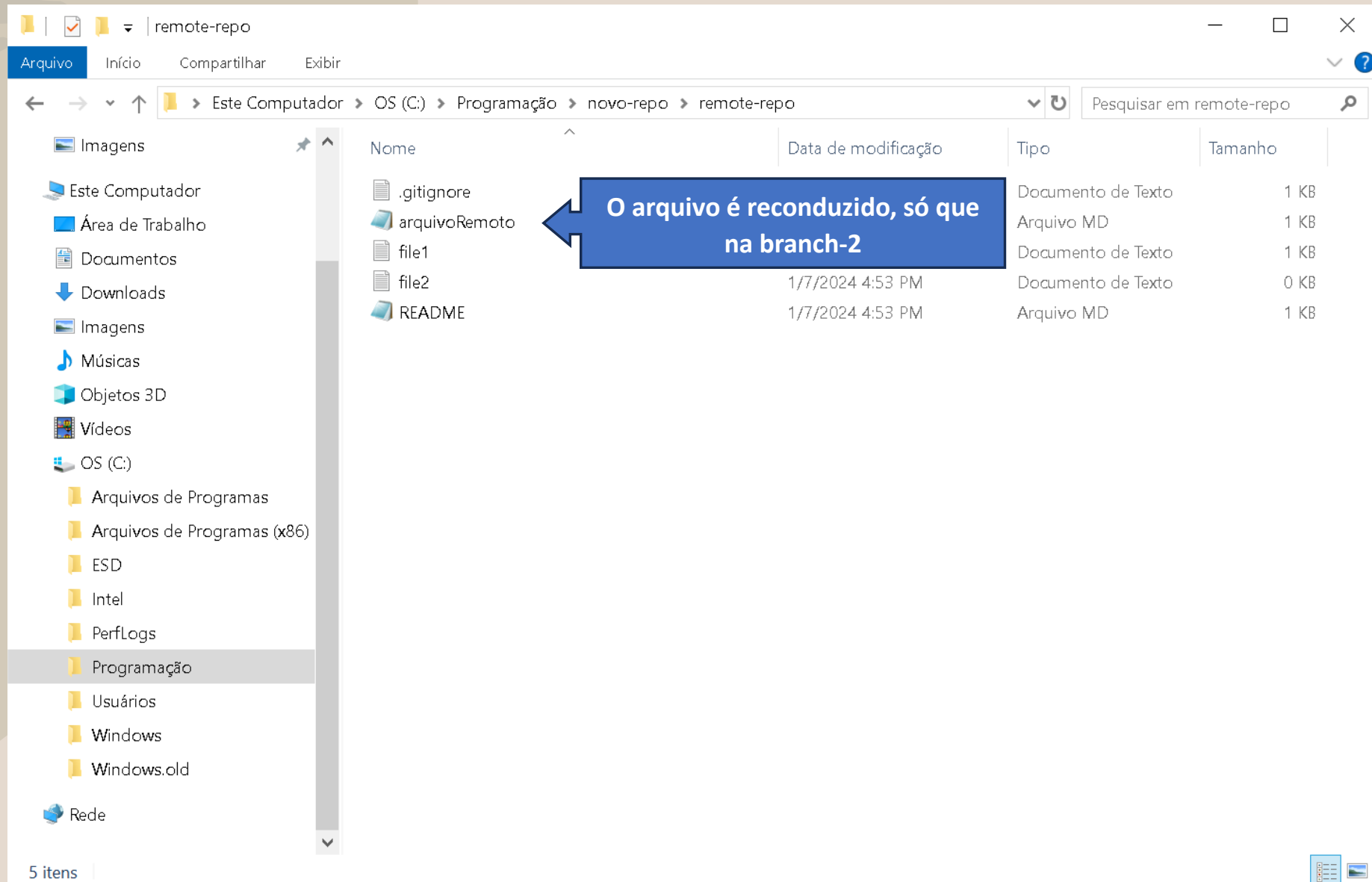
juiun@DELL-i7-WINDOWS MINGW64 /c/Programação/novo-repo/remote-repo (branch-2)
$
```

O stash arquiva as alterações do repo (volta o arquivo)

Lista as alterações arquivadas

Cria e entra na branch-2

# VÁRIAS BRANCHES



# AValiação PARA O CERTIFICADO

- Nos respectivos repositórios clonados em duplas via SSH, realizem alterações via GitHub;
- Pelo [VS Code](#), realizem alterações nos arquivos (e/ou criações de novos arquivos);
- Façam commits e pushes (mínimo 2 por aluno);
- Façam um Pull request no repositório do professor, criado para essa finalidade.



# OBRIGADO!

- Julio Telles
- (34) 99638-7278
- julio.telles.un@gmail.com
- <https://github.com/Julio-Telles/>

