



Atividade 16/02/2022 - Resolução de Conflitos

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Inicialmente, criei uma pasta com o nome 16/02/2022 para ser o repositório local e entrei nela:

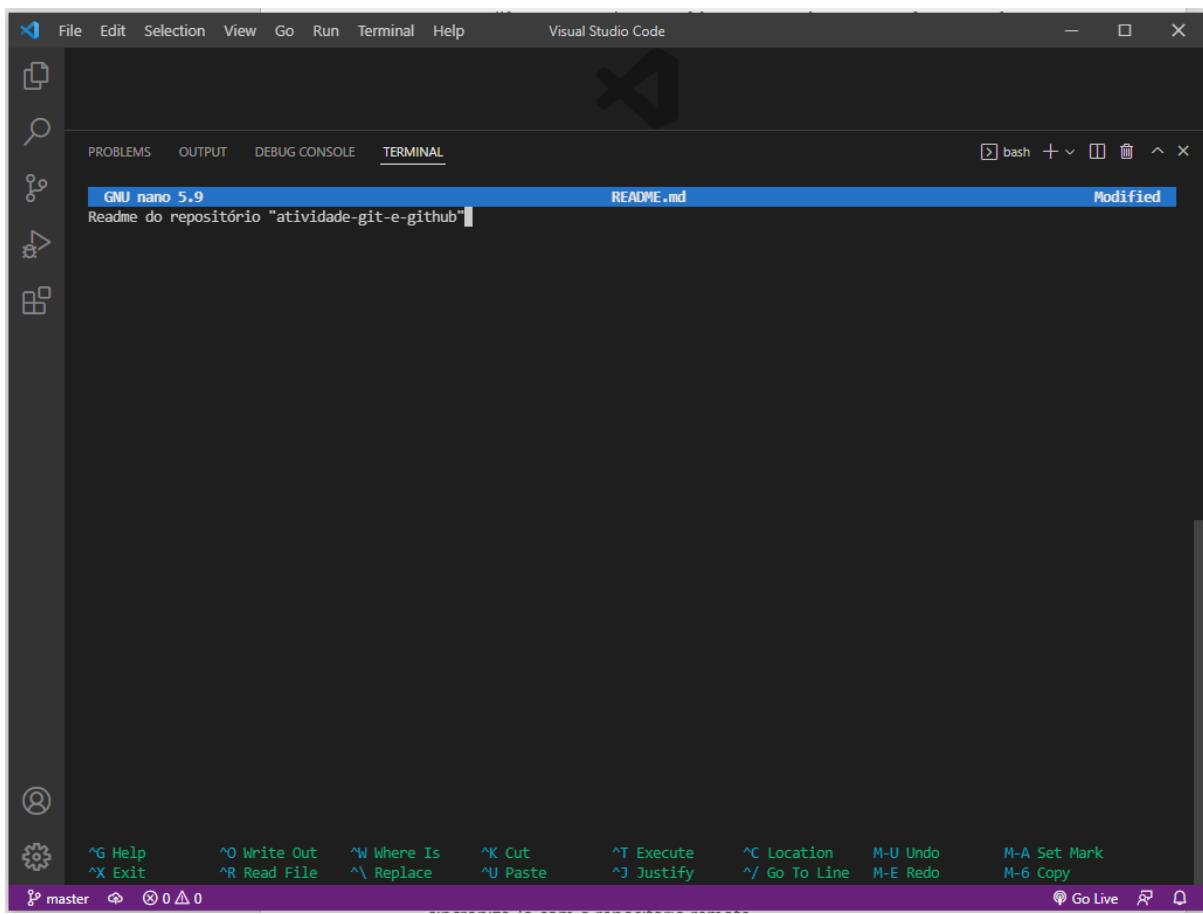
```
User@DESKTOP-9473D4F MINGW64 ~/Desktop/atividades/CTD/intro-a-informatica  
$ mkdir 16-02-2022
```

```
User@DESKTOP-9473D4F MINGW64 ~/Desktop/atividades/CTD/intro-a-informatica  
$ cd 16-02-2022
```

Iniciei um repositório local nessa pasta:

```
User@DESKTOP-9473D4F MINGW64 ~/Desktop/atividades/CTD/intro-a-informatica/16-02-2022  
$ git init  
Initialized empty Git repository in C:/Users/User/Desktop/atividades/CTD/intro-a-informatica/16-02-2022/.git/
```

Criei o arquivo READ.me:



Criei o repositório remoto no GitHub:

A screenshot of a GitHub repository page. The URL is "amanda-a-reis/atividade-git-e-github". The page has sections for Quick setup, ...or create a new repository on the command line, ...or push an existing repository from the command line, and ...or import code from another repository. Each section contains a code snippet and a copy button. A ProTip at the bottom says "Use the URL for this page when adding GitHub as a remote.".

Fiz a sincronização entre o repositório remoto e o local:

```
User@DESKTOP-9473D4F MINGW64 ~/Desktop/atividades/CTD/intro-a-informatica/16-02-2022 (master)
$ git remote add origin https://github.com/amanda-a-reis/atividade-git-e-github.git
```

Logo em seguida, criei mais 3 arquivos de texto:

```
User@DESKTOP-9473D4F MINGW64 ~/Desktop/atividades/CTD/intro-a-informatica/16-02-2022 (master)
$ touch arquivo1.txt arquivo2.txt arquivo3.txt
```

Fiz uma verificação do status e adicionei os arquivos à fila de commit, fiz os commits e em seguida o push:

```
User@DESKTOP-9473D4F MINGW64 ~/Desktop/atividades/CTD/intro-a-informatica/16-02-2022 (master)
$ git status
On branch master

No commits yet

Untracked files:
(use "git add <file>..." to include in what will be committed)
 README.md
 arquivo1.txt
 arquivo2.txt
 arquivo3.txt

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

User@DESKTOP-9473D4F MINGW64 ~/Desktop/atividades/CTD/intro-a-informatica/16-02-2022 (master)
$ git add .
warning: LF will be replaced by CRLF in README.md.
The file will have its original line endings in your working directory

User@DESKTOP-9473D4F MINGW64 ~/Desktop/atividades/CTD/intro-a-informatica/16-02-2022 (master)
$ git commit -m "meus arquivos"
[master (root-commit) deaefab] meus arquivos
 4 files changed, 1 insertion(+)
 create mode 100644 README.md
 create mode 100644 arquivo1.txt
 create mode 100644 arquivo2.txt
 create mode 100644 arquivo3.txt

User@DESKTOP-9473D4F MINGW64 ~/Desktop/atividades/CTD/intro-a-informatica/16-02-2022 (master)
$ git push origin master
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (4/4), 312 bytes | 312.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/amanda-a-reis/atividade-git-e-github.git
 * [new branch]      master -> master
```

Resultado no repositório remoto:

The screenshot shows a GitHub repository interface. At the top, there are buttons for 'master' (with a dropdown arrow), '1 branch' (with a dropdown arrow), '0 tags', 'Go to file', 'Add file', and a green 'Code' button with a dropdown arrow. Below this is a table of files in the 'meus arquivos' folder:

	amanda-a-reis	meus arquivos	deaeefab 31 seconds ago 1 commit
	README.md	meus arquivos	31 seconds ago
	arquivo1.txt	meus arquivos	31 seconds ago
	arquivo2.txt	meus arquivos	31 seconds ago
	arquivo3.txt	meus arquivos	31 seconds ago

Below the table is a preview of the 'README.md' file content:

```
README.md
Readme do repositório "atividade-git-e-github"
```

Fiz uma edição no arquivo1.txt no GitHub

The screenshot shows the GitHub file editor for 'arquivo1.txt'. At the top, there are buttons for 'Edit file' and 'Preview changes'. On the right, there are settings for 'Spaces', '2', and 'No wrap'. The code editor contains the following text:

```
1  Essa é minha edição no GitHub!|
```

Editei também no VS code, coloquei a frase “Essa é minha edição no Computador!”

Fiz, portanto, uma tentativa de pull do arquivo1.txt, que foi editado em ambos os repositórios.

```
User@DESKTOP-9473D4F MINGW64 ~/Desktop/atividades/CTD/intro-a-informatica/16-02-2022 (master)
$ git pull origin master
From https://github.com/amanda-a-reis/atividade-git-e-github
 * branch            master      -> FETCH_HEAD
Auto-merging arquivo1.txt
CONFLICT (content): Merge conflict in arquivo1.txt
Automatic merge failed; fix conflicts and then commit the result.
```

Isso gerou um conflito, mostrado a seguir:

The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer:** Shows a folder named "16-02-2022" containing files: arquivo1.txt, arquivo2.txt, arquivo3.txt, and README.md.
- Editor:** The "arquivo1.txt" tab is active, displaying the following content:

```
1 | <<<<< HEAD (Current Change)
2 | Essa é minha edição no Computador!!
3 |
4 | =====
5 | Essa é minha edição no GitHub!!
6 | >>>>> 19ec4506c05c17e5d95b25d8e0218078c7c2eb4a (Incoming Change)
```
- Terminal:** Shows the command \$ git pull origin master and its output, which includes a merge conflict in arquivo1.txt.
- Status Bar:** Shows the current branch as master, 0 changes, and other status indicators.

Decidi por manter as duas alterações.

O Arquivo foi editado no computador, mas não no GitHub.

Fiz um commit e um push, e então o conflito foi resolvido de fato.

```
User@DESKTOP-9473D4F MINGW64 ~/Desktop/atividades/CTD/intro-a-informatica/16-02-2022 (master|MERGING)
$ git commit -m "arquivo1.txt editado"
[master 98c869b] arquivo1.txt editado

User@DESKTOP-9473D4F MINGW64 ~/Desktop/atividades/CTD/intro-a-informatica/16-02-2022 (master)
$ git push origin master
Enumerating objects: 13, done.
Counting objects: 100% (13/13), done.
Delta compression using up to 12 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (9/9), 863 bytes | 863.00 KiB/s, done.
Total 9 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), completed with 1 local object.
To https://github.com/amanda-a-reis/atividade-git-e-github.git
  19ec450..98c869b  master -> master
```