

Lista de Exercícios – P1-002

Exercício 1: Instale e configure o Git – Configure globalmente seu nome de usuário e e-mail no Git.

Primeiramente, foi verificada a versão do Git: version 2.39.0.windows.2

Depois, foi configurado o git user name de forma global, bem como o e-mail.

```
jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/hello-world (master)
$ git --version
git version 2.39.0.windows.2

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/hello-world (master)
$ git config --global user.name "Jose Ulían Cardoso"

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/hello-world (master)
$ git config --global user.email "ulian18@gmail.com"

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/hello-world (master)
$
```

As configurações foram aplicadas de acordo com os procedimentos discutidos em sala. O repositório criado foi o repo_helder.

Exercício 2: Crie um repositório Git em um diretório vazio chamado “MeuProjeto”. Crie um arquivo chamado “introdução.txt” e adicione uma breve introdução ao projeto.

Criando o repositório chamado MeuProjeto

```
MINGW64: c:/Users/jucaa/Desktop/repo_helder/Projeto1/TIC18_Semana1_listaP1-002

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/Projeto1/TIC18_Semana1_listaP1-002 (master)
$ git init
Initialized empty Git repository in C:/Users/jucaa/Desktop/repo_helder/Projeto1/TIC18_Semana1_listaP1-002/.git/

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/Projeto1/TIC18_Semana1_listaP1-002 (master)
$ mkdir MeuProjeto

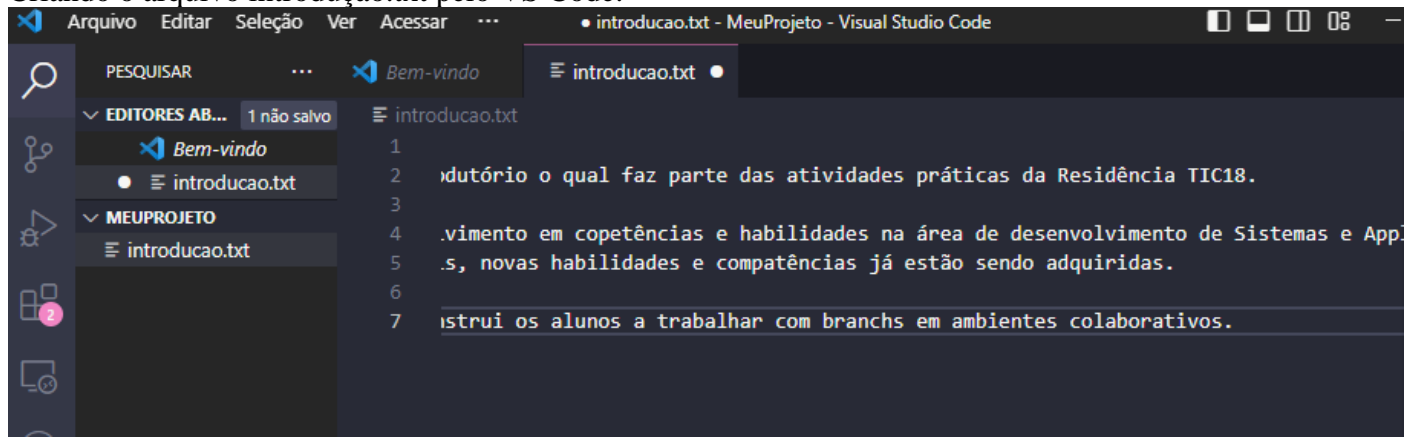
jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/Projeto1/TIC18_Semana1_listaP1-002 (master)
$ ls
MeuProjeto/

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/Projeto1/TIC18_Semana1_listaP1-002 (master)
$
```

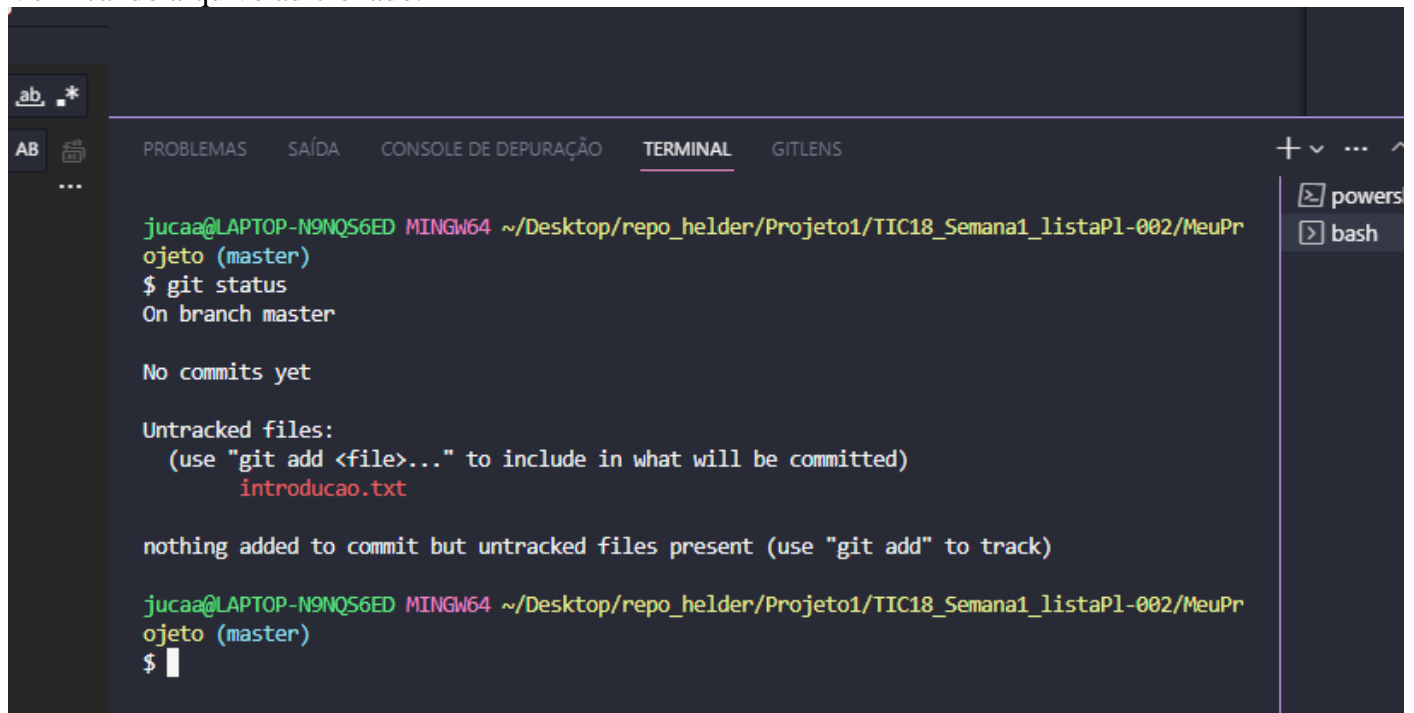
Repositório criado.

Nome	Data de modificação	Tipo	Tamanho
.git	06/09/2023 14:16	Pasta de arquivos	
MeuProjeto	06/09/2023 14:19	Pasta de arquivos	

Criando o arquivo introdução.txt pelo VS Code.

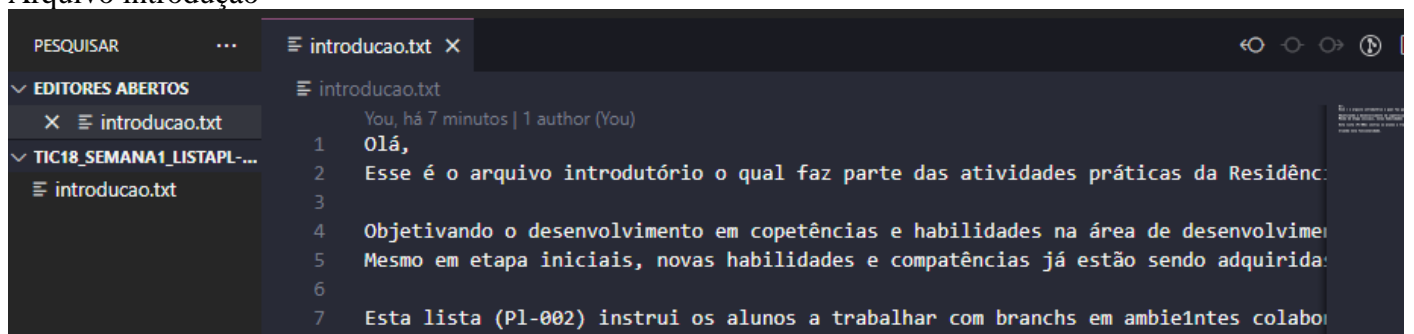


Verificando arquivo adicionado.



3 Exercício: Crie um branch chamado "feature-navbar". No arquivo "introducao.txt", adicione informações sobre um novo recurso a ser adicionado ao projeto. Faça um commit das alterações no branch "feature-navbar". Volte para o branch principal (master) e verifique que as alterações do branch "feature-navbar" não estão visíveis. Realize o merge das alterações do branch "feature-navbar" para o branch principal.

Arquivo introdução



Criando uma nova branch "feature-navbar"

```
MINGW64/c:/Users/jucaa/Desktop/repo_helder/Projeto1/TIC18_Semana1_ListaPI-0002

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/Projeto1/TIC18_Semana1_ListaPI-0002 (master)
$ git init
Initialized empty Git repository in C:/Users/jucaa/Desktop/repo_helder/Projeto1/TIC18_Semana1_ListaPI-0002/.git/

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/Projeto1/TIC18_Semana1_ListaPI-0002 (master)
$ code .

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/Projeto1/TIC18_Semana1_ListaPI-0002 (master)
$ git status
On branch master

No commits yet

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

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

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/Projeto1/TIC18_Semana1_ListaPI-0002 (master)
$ git add .

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/Projeto1/TIC18_Semana1_ListaPI-0002 (master)
$ git commit -m "Adicionando introducao"
[master (root-commit) fbb4881] Adicionando introducao
1 file changed, 7 insertions(+)
create mode 100644 introducao.txt

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/Projeto1/TIC18_Semana1_ListaPI-0002 (master)
$ git branch feature-navbar

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/Projeto1/TIC18_Semana1_ListaPI-0002 (master)
$ git branch
* master
```

Incluindo novas alterações na brech feature-navbar

```
introducao.txt X
introducao.txt
You, há 9 minutos | 1 author (You)
1 Olá,
2 Esse é o arquivo introdutório o qual faz parte das atividades práticas da Residência.
3
4 Objetivando o desenvolvimento em copetências e habilidades na área de desenvolvimento.
5 Mesmo em etapa iniciais, novas habilidades e competências já estão sendo adquiridas.
6
7 Esta lista (PI-002) instrui os alunos a trabalhar com branches em ambientes colaborativos.
8
9 Criando nova funcionalidade. You, há 2 minutos • Alterando o arquivo introducao.txt
```

Realizando o commit na nova branch.

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

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/Projeto1/TIC18_Semana1_ListaPI-0002 (feature-navbar)
$ git commit -am "Alterando o arquivo introducao"
[feature-navbar 9cdf71c] Alterando o arquivo introducao
1 file changed, 3 insertions(+), 1 deletion(-)

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/Projeto1/TIC18_Semana1_ListaPI-0002 (feature-navbar)
$ git checkout master
Switched to branch 'master'
```

Retornando para branch master e realizando o merge.

```
jucaa@LAPTOP-N9NQ56ED MINGW64 ~/Desktop/repo_helder/Projeto1/TIC18_Semana1_ListaPl-0002 (feature-navbar)
$ git status
On branch feature-navbar
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:   introducao.txt

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

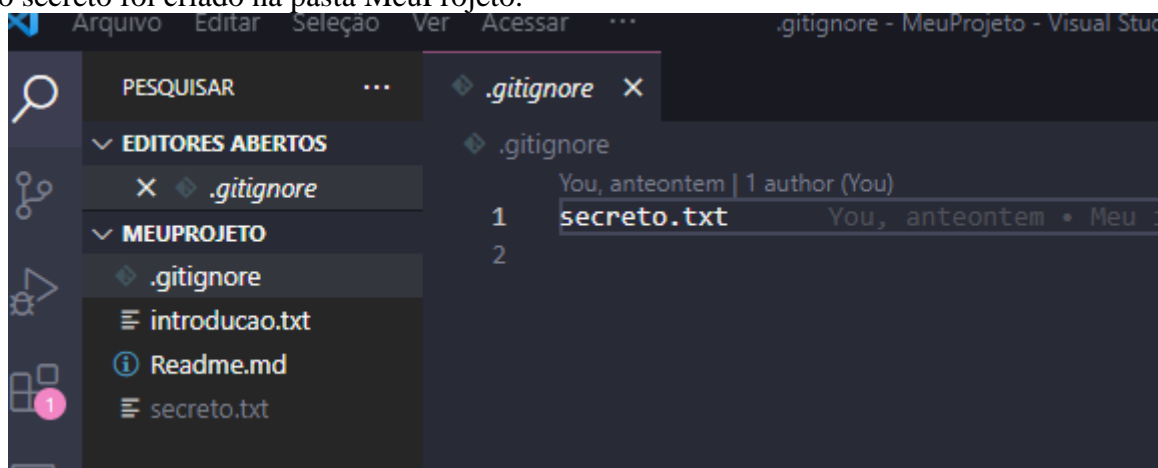
jucaa@LAPTOP-N9NQ56ED MINGW64 ~/Desktop/repo_helder/Projeto1/TIC18_Semana1_ListaPl-0002 (feature-navbar)
$ git commit -am "Alterando o arquivo introducao"
[feature-navbar 9cdf71c] Alterando o arquivo introducao
1 file changed, 3 insertions(+), 1 deletion(-)

jucaa@LAPTOP-N9NQ56ED MINGW64 ~/Desktop/repo_helder/Projeto1/TIC18_Semana1_ListaPl-0002 (feature-navbar)
$ git checkout master
Switched to branch 'master'

jucaa@LAPTOP-N9NQ56ED MINGW64 ~/Desktop/repo_helder/Projeto1/TIC18_Semana1_ListaPl-0002 (master)
$ git merge feature-navbar
Updating fbb4881..9cdf71c
Fast-forward
 introducao.txt | 4 +++-
1 file changed, 3 insertions(+), 1 deletion(-)
```

Exercício 4: Ignorando arquivos.

O arquivo secreto foi criado na pasta MeuProjeto.



Documento secreto enviado ao VS Code.

```
jucaa@LAPTOP-N9NQ56ED MINGW64 ~/Desktop/repo_helder/Projeto1/TIC18_Semana1_ListaPl-0002 (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore
        Readme.md

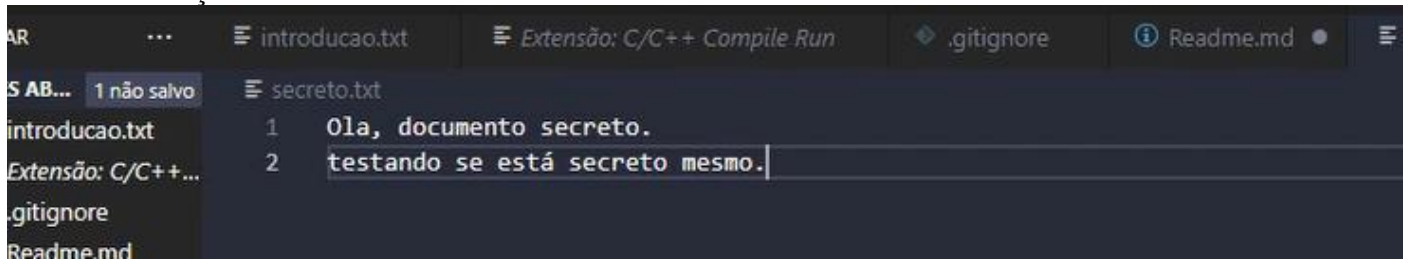
nothing added to commit but untracked files present (use "git add" to track)

jucaa@LAPTOP-N9NQ56ED MINGW64 ~/Desktop/repo_helder/Projeto1/TIC18_Semana1_ListaPl-0002 (master)
$ git add .

jucaa@LAPTOP-N9NQ56ED MINGW64 ~/Desktop/repo_helder/Projeto1/TIC18_Semana1_ListaPl-0002 (master)
$ git commit -m "adicionando o git ignore"
[master e49d710] adicionando o git ignore
2 files changed, 2 insertions(+)
 create mode 100644 .gitignore
 create mode 100644 Readme.md

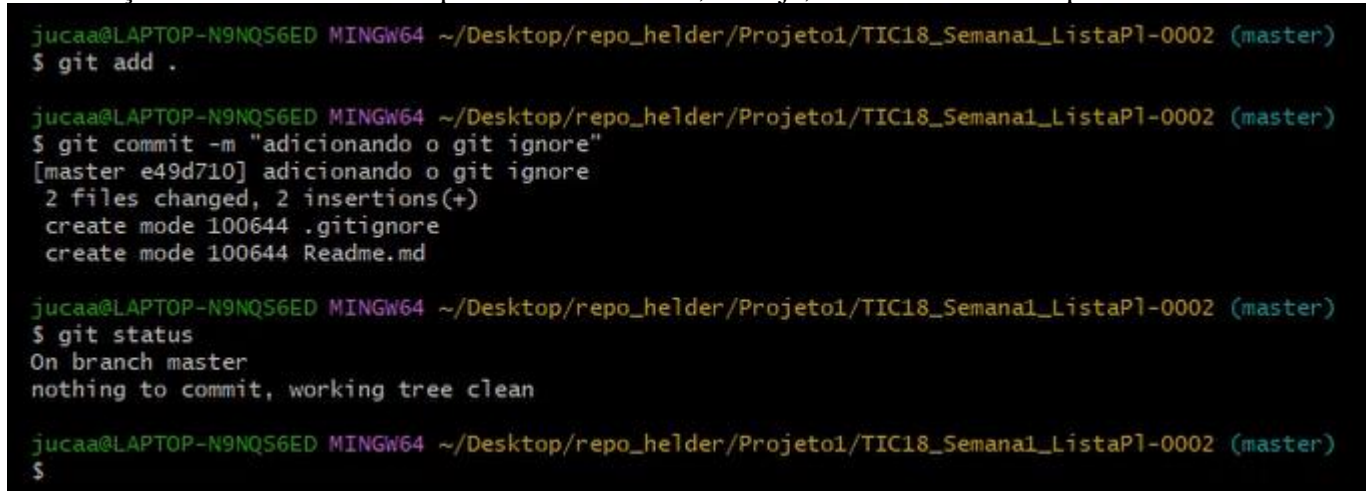
jucaa@LAPTOP-N9NQ56ED MINGW64 ~/Desktop/repo_helder/Projeto1/TIC18_Semana1_ListaPl-0002 (master)
$
```

Fazendo alterações no documento secreto.



```
introducao.txt 1 Ola, documento secreto.
Extensão: C/C++... 2 testando se está secreto mesmo.
```

As alterações não foram exibidas para outros usuários, ou seja, não foi versionado para os demais.



```
jucaa@LAPTOP-N9NQ56ED MINGW64 ~/Desktop/repo_helder/Projeto1/TIC18_Semana1_ListaP1-0002 (master)
$ git add .

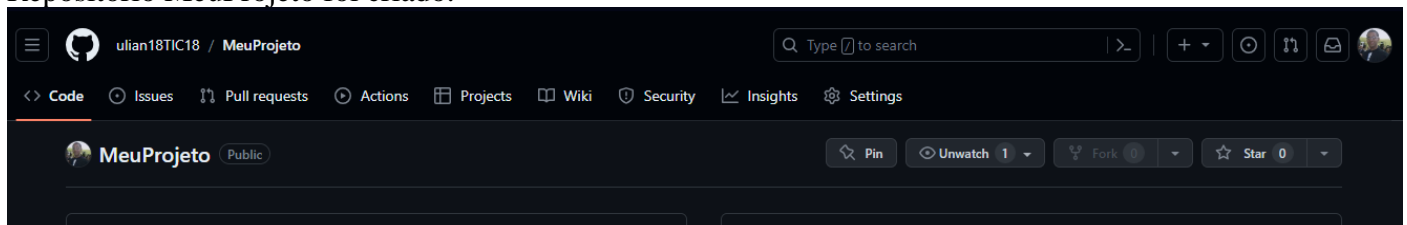
jucaa@LAPTOP-N9NQ56ED MINGW64 ~/Desktop/repo_helder/Projeto1/TIC18_Semana1_ListaP1-0002 (master)
$ git commit -m "adicionando o git ignore"
[master e49d710] adicionando o git ignore
2 files changed, 2 insertions(+)
create mode 100644 .gitignore
create mode 100644 Readme.md

jucaa@LAPTOP-N9NQ56ED MINGW64 ~/Desktop/repo_helder/Projeto1/TIC18_Semana1_ListaP1-0002 (master)
$ git status
On branch master
nothing to commit, working tree clean

jucaa@LAPTOP-N9NQ56ED MINGW64 ~/Desktop/repo_helder/Projeto1/TIC18_Semana1_ListaP1-0002 (master)
$
```

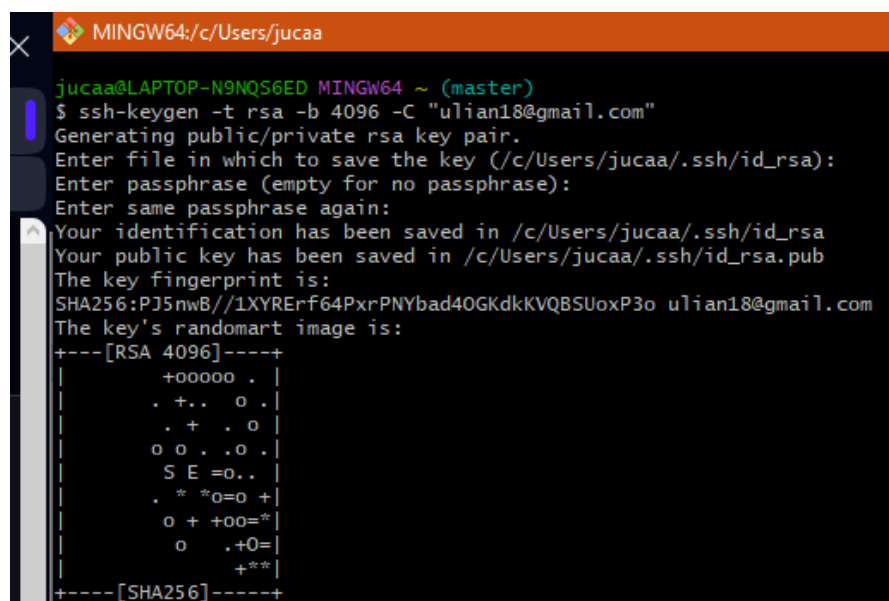
Exercício 5: Trabalhando com repositórios remotos.

Repositório MeuProjeto foi criado.



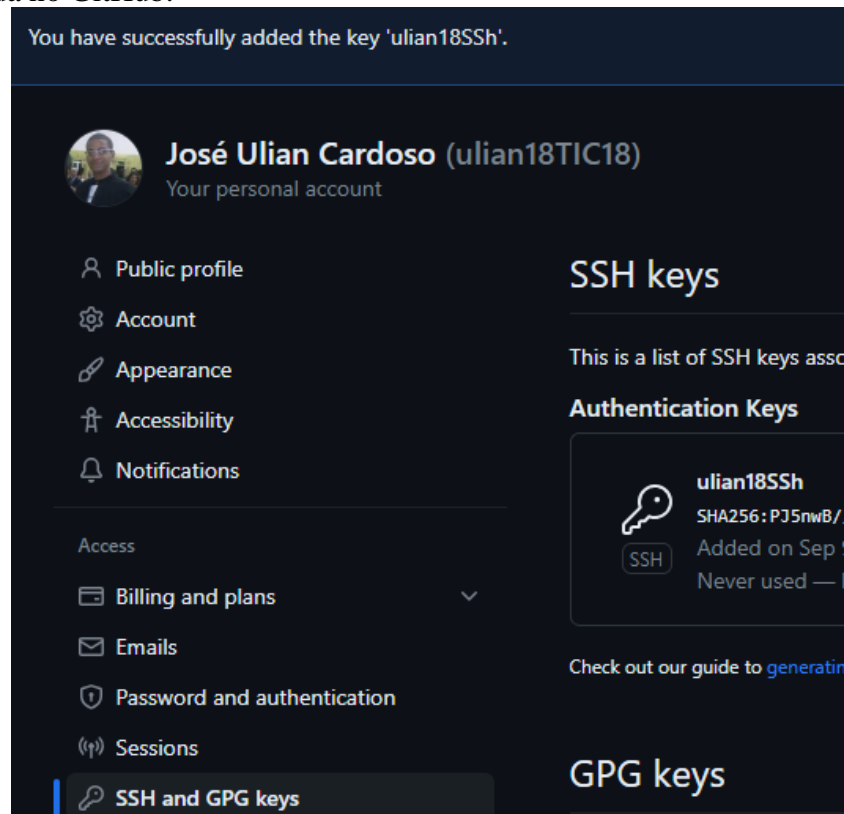
Conectando ao repositório por meio de uma chave SSH.

No git bashm, inicia-se com o comando >> ssh-keygen -t rsa -b 4096 -C "ulian18@gmail.com"



```
jucaa@LAPTOP-N9NQ56ED MINGW64 ~ (master)
$ ssh-keygen -t rsa -b 4096 -C "ulian18@gmail.com"
Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/jucaa/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/jucaa/.ssh/id_rsa
Your public key has been saved in /c/Users/jucaa/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:PJ5nwB//1XYRErf64PxrPNYbad40GKdkKVQBSUoxP3o ulian18@gmail.com
The key's randomart image is:
+----[RSA 4096]-----+
|  +oooo . |
| . +.. o . |
| . + . o |
| o o . o . |
| S E =o.. |
| . * *o=o + |
| o + +oo=* |
| o .+O= |
| +** |
+----[SHA256]-----+
```


Chave SSH cadastrada no GitHub.



Repositório local conectado ao repositório remoto por meio de uma chave pública.

```
jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/Projeto1/TIC18_Semana1_Lista
P1-0002 (master)
$ git remote
origin

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/Projeto1/TIC18_Semana1_Lista
P1-0002 (master)
$ git remote -v
origin https://github.com/ulian18TIC18/TIC18_Semana1_listaP1-002.git (fetch)
origin https://github.com/ulian18TIC18/TIC18_Semana1_listaP1-002.git (push)
```

Analisando os arquivos adicionados na pasta MeuProjeto.

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

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/MeuProjeto (master)
$ git init
Initialized empty Git repository in C:/Users/jucaa/Desktop/repo_helder/MeuProjeto/.git/

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/MeuProjeto (main)
$ git status
On branch main

No commits yet

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

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

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/MeuProjeto (main)
$ |
```

Conectando o git ou github:

Enviando o arquivo para o controle de versão.

```
jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/MeuProjeto (main)
$ git add .
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/MeuProjeto (main)
$ git status
On branch main

No commits yet

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

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/MeuProjeto (main)
$ git branch

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/MeuProjeto (main)
$ git commit -m "commit inicial P1-002"
[main (root-commit) ef389f8] commit inicial P1-002
3 files changed, 4 insertions(+)
create mode 100644 .gitignore
create mode 100644 Introducao.txt
create mode 100644 README.md
```

Alterando para a branch master:

```
jucaa@LAPTOP-N9NQS6ED MSYS ~/Desktop/repo_helder/MeuProjeto (master)
$ git branch
  main
* master

jucaa@LAPTOP-N9NQS6ED MSYS ~/Desktop/repo_helder/MeuProjeto (master)
$ git branch -a
  main
* master
  remotes/origin/main
  remotes/origin/master

jucaa@LAPTOP-N9NQS6ED MSYS ~/Desktop/repo_helder/MeuProjeto (master)
$ git pull
Enter passphrase for key '/c/Users/jucaa/.ssh/id_rsa':
Already up to date.
```

Realizando o push:

```
jucaa@LAPTOP-N9NQ56ED MSYS ~/Desktop/repo_helder/MeuProjeto (master)
$ git pull
Enter passphrase for key '/c/Users/jucaa/.ssh/id_rsa':
Already up to date.

jucaa@LAPTOP-N9NQ56ED MSYS ~/Desktop/repo_helder/MeuProjeto (master)
$ git add .

jucaa@LAPTOP-N9NQ56ED MSYS ~/Desktop/repo_helder/MeuProjeto (master)
$ git commit -m "Meu commit lista002"
[master 66322e4] Meu commit lista002
1 file changed, 1 insertion(+), 1 deletion(-)

jucaa@LAPTOP-N9NQ56ED MSYS ~/Desktop/repo_helder/MeuProjeto (master)
$ git push origin master
Enter passphrase for key '/c/Users/jucaa/.ssh/id_rsa':
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 4 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 676 bytes | 338.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:ulian18TIC18/MeuProjeto.git
5da65e6..66322e4 master -> master

jucaa@LAPTOP-N9NQ56ED MSYS ~/Desktop/repo_helder/MeuProjeto (master)
$ git commit -m "Meu commit lista002"
```

Exercício 6: Clonando e Forking

Criando um fork do repositório do Iallan.

The screenshot shows the GitHub interface for a repository named 'MeuProjeto_fotk' by user 'ulian18TIC18'. The repository is public and was forked from 'IGSeventy/MeuProjeto'. The main branch is 'master', and there is 1 branch and 0 tags. The repository is up to date with the upstream repository. A commit by 'IGSeventy' is shown, titled 'alterações de tag 2', with a commit hash of '89fe6b8' and 6 commits. The commit message is 'adicionar gitignore'. The repository contains two files: '.gitignore' and 'introducao.txt'. A button 'Add a README' is visible at the bottom.

Clonando repositório.

```
PROBLEMAS  SAÍDA  CONSOLE DE DEPURAÇÃO  TERMINAL  PORTAS  GITLENS

jucaa@LAPTOP-N9NQ56ED MINGW64 ~/Desktop/repo_helder/MeuProjeto (master)
$ git clone https://github.com/ulian18TIC18/MeuProjeto_fotk.git
Cloning into 'MeuProjeto_fotk'...
remote: Enumerating objects: 16, done.
remote: Counting objects: 100% (16/16), done.
remote: Compressing objects: 100% (9/9), done.
remote: Total 16 (delta 5), reused 15 (delta 4), pack-reused 0
Receiving objects: 100% (16/16), done.
Resolving deltas: 100% (5/5), done.

jucaa@LAPTOP-N9NQ56ED MINGW64 ~/Desktop/repo_helder/MeuProjeto (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

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

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

jucaa@LAPTOP-N9NQ56ED MINGW64 ~/Desktop/repo_helder/MeuProjeto (master)
$

jucaa@LAPTOP-N9NQ56ED MINGW64 ~/Desktop/repo_helder (master)
$ cd MeuProjeto/

jucaa@LAPTOP-N9NQ56ED MINGW64 ~/Desktop/repo_helder/MeuProjeto (master)
$ ls
Introducao.txt  MeuProjeto_fotk/  README.md  secreto.txt

jucaa@LAPTOP-N9NQ56ED MINGW64 ~/Desktop/repo_helder/MeuProjeto (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

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

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

jucaa@LAPTOP-N9NQ56ED MINGW64 ~/Desktop/repo_helder/MeuProjeto (master)
$ git add .
warning: adding embedded git repository: MeuProjeto_fotk
hint: You've added another git repository inside your current repository.
hint: Clones of the outer repository will not contain the contents of
hint: the embedded repository and will not know how to obtain it.
hint: If you meant to add a submodule, use:
hint:
hint:   git submodule add <url> MeuProjeto_fotk
hint:
hint: If you added this path by mistake, you can remove it from the
hint: index with:
hint:
```

Agora o colega aceita ou rejeita as alterações com um merge.

```
jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/MeuProjeto/MeuProjeto_fotk (m
$ git status
On branch master
Your branch is up to date with 'origin/master'.

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:   introducao.txt

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

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/MeuProjeto/MeuProjeto_fotk (m
$ git add .

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/MeuProjeto/MeuProjeto_fotk (m
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   introducao.txt
```

Execício 7: Resolvendo Conflitos

Agora, o Iallan fez as alterações.

```
jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/MeuProjeto/MeuProjeto_fotk (m
$ git commit -m "Resolvendo o conflito do Iallan"
[master 23cb489] Resolvendo o conflito do Iallan
 1 file changed, 1 insertion(+)
 create mode 100644 conflito.txt

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/MeuProjeto/MeuProjeto_fotk (m
$ git pull
Already up to date.

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/MeuProjeto/MeuProjeto_fotk (m
$ git fetch


jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/MeuProjeto/MeuProjeto_fotk (m
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)
jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/MeuProjeto/MeuProjeto_fotk (m
aster)
$ git push
fatal: User cancelled dialog.

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/MeuProjeto/MeuProjeto_fotk (m
aster)
$ git push gitoriginssh master
Enter passphrase for key '/c/Users/jucaa/.ssh/id_rsa':
Enter passphrase for key '/c/Users/jucaa/.ssh/id_rsa':
Enumerating objects: 4, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To github.com:ulian18TIC18/MeuProjeto_fotk.git
 8d66407..23cb489  master -> master
```

Comparando as mudanças.

Comparing changes

Choose two branches to see what's changed or to start a new pull request. If you need to, you can also [compare across forks](#).

 base repository: IGSeventy/MeuProjeto

base: master

...

head repository: ulian18TIC18/MeuProjeto_fotk

compare: master

✓ **Able to merge.** These branches can be automatically merged.

Discuss and review the changes in this comparison with others. [Learn about pull requests](#)

Create pull request

```
jucaa@LAPTOP-N9NQ56ED MINGW64 ~/Desktop/repo_helder/MeuProjeto (master)
$ cd ..

jucaa@LAPTOP-N9NQ56ED MINGW64 ~/Desktop/repo_helder (master)
$ ls
atividade_3/ Grupo_Residencia/ hello-world/ MeuProjeto/ Projeto1/

jucaa@LAPTOP-N9NQ56ED MINGW64 ~/Desktop/repo_helder (master)
$ cd
.git/          atividade_3/      Grupo_Residencia/ hello-world/      MeuProjeto/      Projeto1/

jucaa@LAPTOP-N9NQ56ED MINGW64 ~/Desktop/repo_helder (master)
$ cd MeuProjeto/


jucaa@LAPTOP-N9NQ56ED MINGW64 ~/Desktop/repo_helder/MeuProjeto (master)
$ ls
Introducao.txt MeuProjeto_fotk/ README.md secreto.txt

jucaa@LAPTOP-N9NQ56ED MINGW64 ~/Desktop/repo_helder/MeuProjeto (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.


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


Resolução dos conflitos pelo GitHub


Commit do Jose Ulian no repor do Iallan #1


 Open


 ulian18TIC18 wants to merge 1 commit into IGSeventy:master from ulian18TIC18:master

 Conversation 0


 Commits 1

 Checks 0


 Files changed 1

 ulian18TIC18 commented now

Mudanças no arquivo introducao

 Commit do Jose Ulian no repor do Iallan

8d66407



✓

This branch has no conflicts with the base branch
Only those with [write access](#) to this repository can merge pull requests.

Foram alteradas duas linhas de código.

The screenshot shows a GitHub pull request interface for a repository named 'MeuProjeto'. The title of the pull request is 'Resolvendo o conflito do Iallan #2'. The interface indicates that there is a conflict between the 'ulian18TIC18:master' branch and the 'IGSeventy:master' branch. The file 'conflito.txt' is highlighted as the conflicting file. The conflict is resolved by committing changes to the 'ulian18TIC18:master' branch. The resolved content of 'conflito.txt' is shown below the conflict resolution message, with a green checkmark indicating that the conflict has been resolved.

```
1 <<<<<< master
2 Observando o conflito.
3 =====
4 Gerenciando conflitos, passo 7
5 >>>>>> master
6
```

conflito do Iallan #2

Commit merge

✓ Resolved

```
1 Observando o conflito.
2 Gerenciando conflitos, passo 7
3
```

Exercício 8: Histórico de commits

Após a execução do git log:

```
$ git log
commit 23cb489c79f3e66c411755267ea1ca3f57853922 (HEAD -> master, gitoriginssh/master)
Author: ulian18TIC18 <ulian18@gmail.com>
Date: Sun Sep 10 19:30:39 2023 -0300

    Resolvendo o conflito do Iallan

commit 8d66407bf27d90769610c868a4bc8f63e1fb43c4
Author: ulian18TIC18 <ulian18@gmail.com>
Date: Sun Sep 10 18:51:51 2023 -0300

    Commit do Jose Ulian no repor do Iallan

commit 89fe6b8d31a37cbc5e1b437ac34753dfb1cac70b
Author: Iallan Guimel Setenta Santos <iallanguimel@hotmail.com>
Date: Sun Sep 3 17:07:33 2023 -0300

    alterações de tag 2

commit 38868fdf6d2e699f5d7edf6fc670cbd60769c486
Author: Iallan Guimel Setenta Santos <iallanguimel@hotmail.com>
Date: Sun Sep 3 16:47:57 2023 -0300

    Revert "alteração indesejada"

    This reverts commit dc51d9b827b714f53f34145584d11cb72b8d95c6.
```

1. Resolução do conflito após o envio das alterações pelo colega;
2. Commitando o arquivo com as alterações no arquivo introdução.txt;
3. O colega fez o merge e acrescentou novas alterações;
4. Ele considerou as alterações como indesejadas.

Exercício 9: Revertendo Alterações.

Alterando o arquivo introdução.txt;

```
jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/MeuProjeto (branch_1)
$ git status
On branch branch_1
Your branch is up to date with 'origin/branch_1'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   MeuProjeto_fotk

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:   Introducao.txt

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/MeuProjeto (branch_1)
$ git add Introducao.txt

jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/MeuProjeto (branch_1)
$ git commit -m "Alteração indesejada no arquivo introducao"
[branch_1 a4bdb70] Alteração indesejada no arquivo introducao
2 files changed, 3 insertions(+), 2 deletions(-)
```

Revertendo o commit ao estado anterior:

```
jucaa@LAPTOP-N9NQS6ED MINGW64 ~/Desktop/repo_helder/MeuProjeto (branch_1)
$ git reset HEAD~1
Unstaged changes after reset:
M   Introducao.txt
M   MeuProjeto_fotk
```