

Curso de Git e GitHub

Geofisicando (Rodolfo Dirack)

Vídeos do curso:

https://www.youtube.com/watch?v=ZZLnIAbSDrl&list=PLLCFxfe9wkl_URgxXbZzRnhBH6neoBFjG

Resumo do curso feito por Roberto Pinheiro

<https://github.com/betopinheiro1005>

Aula 01 - Como instalar o git e como fazer o primeiro commit

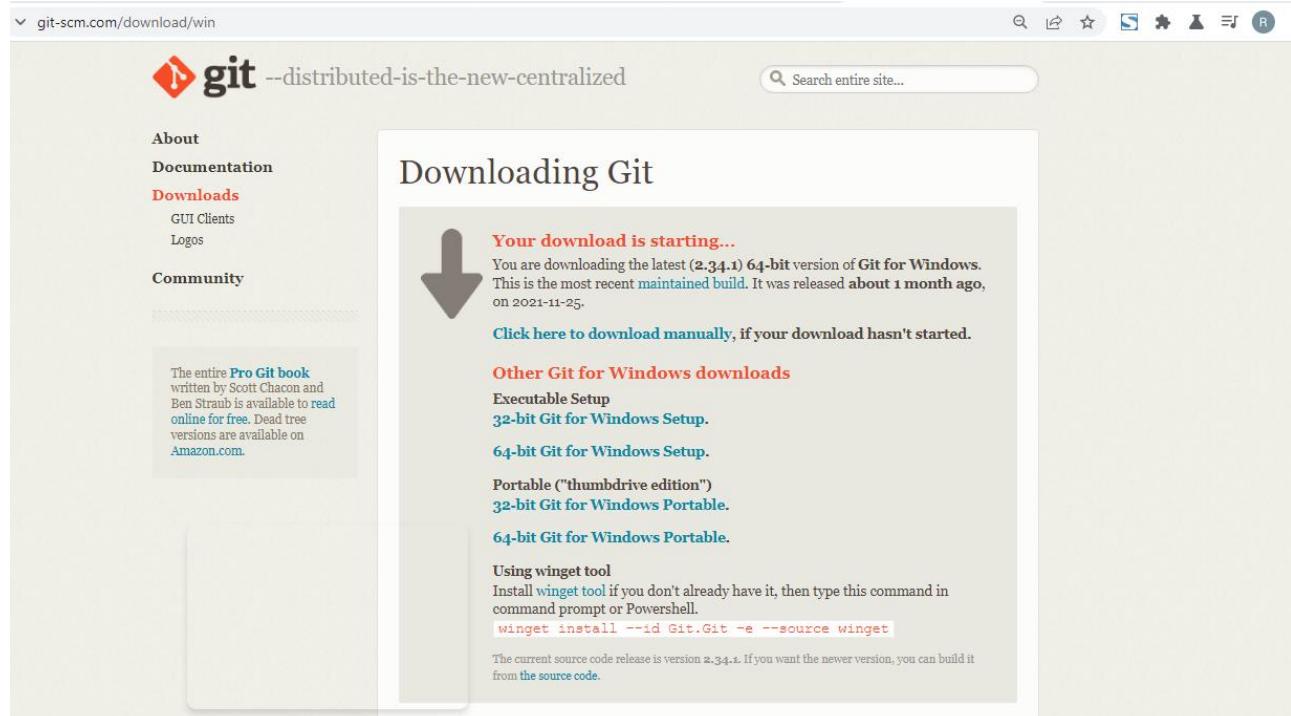
Instalação do Git

Linux

```
sudo apt-get install git
```

Windows

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



- Baixe e instale em seu computador.

- Instale o Xampp e o Visual Studio Code em seu computador.

Inicializando o repositório git

- Em C:\Xampp\htdocs crie uma pasta chamada git_github_geofisicando:

```
md geofisicando  
cd geofisicando
```

```
code .
```

- Na pasta raiz do projeto, entre com o comando:

```
git init
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando  
$ git init  
Initialized empty Git repository in C:/xampp/htdocs/git_github_geofisicando/.git/
```

- Será criado um arquivo oculto chamado `.git`

```
ls -a
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)  
$ ls -a  
./ ../ .git/
```

Primeiro commit

- Na pasta raiz do projeto crie um arquivo chamado "teste.txt"

```
teste.txt
```

Primeira linha

```
git status
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)  
$ git status  
On branch master  
  
No commits yet  
  
Untracked files:  
  (use "git add <file>..." to include in what will be committed)  
    teste.txt  
  
nothing added to commit but untracked files present (use "git add" to track)
```

```
git add teste.txt
```

ou

```
git add .
```

Com `git add .` é adicionado no **repositório git** (stage area) todos os arquivos da pasta atual.

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git add .
```

```
git status
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   teste.txt
```

```
git commit -m "Adicionado o arquivo teste.txt com primeira linha de texto"
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git commit -m "Adicionado o arquivo teste.txt com primeira linha de texto"
[master (root-commit) 5246f1a] Adicionado o arquivo teste.txt com primeira linha de texto
 1 file changed, 1 insertion(+)
 create mode 100644 teste.txt
```

Alterando o arquivo teste.txt

teste.txt

Primeira linha

Segunda linha *

```
git status
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git status
On branch 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:   teste.txt

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

- A mensagem informa que o arquivo **teste.txt** foi modificado, mas que ainda não foi realizado o **commit**.

Adicionando a alteração feita na área de stage

- Para adicionar essa modificação na área de stage:

```
git add .
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git add .
```

```
git status
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    modified:   teste.txt
```

Realizando o commit

```
git commit -m "Inserida segunda linha de texto"
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git commit -m "Inserida segunda linha de texto"
[master 4b8eb8c] Inserida segunda linha de texto
 1 file changed, 2 insertions(+), 1 deletion(-)
```

Exibindo as modificações

```
git log
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git log
commit 4b8eb8c3363998d664be0b36470fc18e77b8a60c (HEAD -> master)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 14:56:56 2022 -0300

    Inserida segunda linha de texto

commit 5246f1a4e5b87704ab03289067779ef2c431a2c1
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 14:53:07 2022 -0300

    Adicionado o arquivo teste.txt com primeira linha de texto
```

Aula 02 - Como o git funciona e revisando alterações com git diff

- O Git funciona com uma estrutura em galhos (ramos).
- As principais alterações ficam armazenadas no **branch master** (branch principal).
- Cada commit tem o seu próprio **hash**.

```
commit 4b8eb8c3363998d664be0b36470fc18e77b8a60c (HEAD -> master)
```

HEAD é o ponteiro que aponta para onde você está visualizando.

Apontando para o primeiro commit

```
git checkout 5246f1a4e5b87704ab03289067779ef2c431a2c1
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git checkout 5246f1a4e5b87704ab03289067779ef2c431a2c1
Note: switching to '5246f1a4e5b87704ab03289067779ef2c431a2c1'.

You are in 'detached HEAD' state. You can look around, make experimental
changes and commit them, and you can discard any commits you make in this
state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may
do so (now or later) by using -c with the switch command. Example:

  git switch -c <new-branch-name>

Or undo this operation with:

  git switch -

Turn off this advice by setting config variable advice.detachedHead to false
HEAD is now at 5246f1a Adicionado o arquivo teste.txt com primeira linha de texto
```

teste.txt

Primeira linha

Voltando para o branch master

```
git checkout master
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando ((5246f1a...))
$ git checkout master
Previous HEAD position was 5246f1a Adicionado o arquivo teste.txt com primeira linha de texto
Switched to branch 'master'
```

teste.txt

Primeira linha
Segunda linha *

Modificando o arquivo teste.txt

- Faça outra alteração no arquivo **teste.txt**: inclua uma nova linha de texto:

teste.txt

Primeira linha
Segunda linha *
Terceira linha **

git status

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git status
On branch 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:   teste.txt

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

git diff

- **git diff** mostra o que mudou do último **commit** feito para a última alteração que foi realizada, porém não commitada.

git diff

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git diff
diff --git a/teste.txt b/teste.txt
index 1dd4c41..6e49270 100644
--- a/teste.txt
+++ b/teste.txt
@@ -1,2 +1,3 @@
-Primeira linha
-Segunda linha *
\ No newline at end of file
+Segunda linha *
+Terceira linha **
\ No newline at end of file
```

Em vermelho → último commit.

Em verde → o que ficará se for feito o commit.

Adicionando a alteração na área de stage

git add .

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git add .
```

git status

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    modified:   teste.txt
```

Realizando o commit

git commit -m "Inserida terceira linha de texto"

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git commit -m "Inserida terceira linha de texto"
[master a618d42] Inserida terceira linha de texto
 1 file changed, 2 insertions(+), 1 deletion(-)
```

git log

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git log
commit a618d42de3c2cbef179e9de9580b0b01695465f5 (HEAD -> master)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 15:14:09 2022 -0300

  Inserida terceira linha de texto

commit 4b8eb8c3363998d664be0b36470fc18e77b8a60c
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 14:56:56 2022 -0300

  Inserida segunda linha de texto

commit 5246f1a4e5b87704ab03289067779ef2c431a2c1
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 14:53:07 2022 -0300

  Adicionado o arquivo teste.txt com primeira linha de texto
```

Aula 03 - Como visualizar o histórico de commits

Histórico de todos os commits

git log -p

```
betol1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git log -p
commit a618d42de3c2cbef179e9de9580b0b01695465f5 (HEAD -> master)
commit a618d42de3c2cbef179e9de9580b0b01695465f5 (HEAD -> master)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 15:14:09 2022 -0300

    Inserida terceira linha de texto

diff --git a/teste.txt b/teste.txt
index 1dd4c41..6e49270 100644
--- a/teste.txt
+++ b/teste.txt
@@ -1,2 +1,3 @@
-Primeira linha
-Segunda linha *
\ No newline at end of file
+Segunda linha *
+Terceira linha **
\ No newline at end of file

commit 4b8eb8c3363998d664be0b36470fc18e77b8a60c
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 14:56:56 2022 -0300

    Inserida segunda linha de texto

diff --git a/teste.txt b/teste.txt
index 8aa4b38..1dd4c41 100644
--- a/teste.txt
+++ b/teste.txt
@@ -1 +1,2 @@
-Primeira linha
\ No newline at end of file
+Primeira linha
+Segunda linha *
\ No newline at end of file

commit 5246f1a4e5b87704ab03289067779ef2c431a2c1
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 14:53:07 2022 -0300

    Adicionado o arquivo teste.txt com primeira linha de texto

diff --git a/teste.txt b/teste.txt
new file mode 100644
index 0000000..8aa4b38
--- /dev/null
+++ b/teste.txt
@@ -0,0 +1 @@
+Primeira linha
```

- Para sair dessa tela pressione a tecla <q>

Histórico apenas dos dois últimos commits

```
git log -p -2
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git log -p -2
commit a618d42de3c2cbef179e9de9580b0b01695465f5 (HEAD -> master)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 15:14:09 2022 -0300

    Inserida terceira linha de texto

diff --git a/teste.txt b/teste.txt
index 1dd4c41..6e49270 100644
--- a/teste.txt
+++ b/teste.txt
@@ -1,2 +1,3 @@
-Primeira linha
-Segunda linha *
\ No newline at end of file
+Segunda linha *
+Terceira linha **
\ No newline at end of file

commit 4b8eb8c3363998d664be0b36470fc18e77b8a60c
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 14:56:56 2022 -0300

    Inserida segunda linha de texto

diff --git a/teste.txt b/teste.txt
index 8aa4b38..1dd4c41 100644
--- a/teste.txt
+++ b/teste.txt
@@ -1 +1,2 @@
-Primeira linha
\ No newline at end of file
+Primeira linha
+Segunda linha *
\ No newline at end of file
```

Histórico resumido

```
git log --stat
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git log --stat
commit a618d42de3c2cbef179e9de9580b0b01695465f5 (HEAD -> master)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 15:14:09 2022 -0300

    Inserida terceira linha de texto

  teste.txt | 3 +-+
  1 file changed, 2 insertions(+), 1 deletion(-)

commit 4b8eb8c3363998d664be0b36470fc18e77b8a60c
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 14:56:56 2022 -0300

    Inserida segunda linha de texto

  teste.txt | 3 +-+
  1 file changed, 2 insertions(+), 1 deletion(-)

commit 5246f1a4e5b87704ab03289067779ef2c431a2c1
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 14:53:07 2022 -0300

    Adicionado o arquivo teste.txt com primeira linha de texto

  teste.txt | 1 +
  1 file changed, 1 insertion(+)
```

Adicionando um novo arquivo

- Adicione um arquivo chamado **teste2.txt** com o seguinte conteúdo:

teste2.txt

Primeira linha do arquivo teste2.txt

```
git add .
```

```
git commit -m "Adicionado arquivo teste2.txt com primeira linha de texto"
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git commit -m "Adicionado arquivo teste2.txt com primeira linha de texto"
[master 1c4a3cc] Adicionado arquivo teste2.txt com primeira linha de texto
 1 file changed, 1 insertion(+)
 create mode 100644 teste2.txt
```

```
git log
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git log
commit 1c4a3ccc05243f70efa9a6ad9059dadd92430111 (HEAD -> master)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 15:43:02 2022 -0300

    Adicionado arquivo teste2.txt com primeira linha de texto

commit a618d42de3c2cbef179e9de9580b0b01695465f5
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 15:14:09 2022 -0300

    Inserida terceira linha de texto

commit 4b8eb8c3363998d664be0b36470fc18e77b8a60c
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 14:56:56 2022 -0300

    Inserida segunda linha de texto

commit 5246f1a4e5b87704ab03289067779ef2c431a2c1
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 14:53:07 2022 -0300

    Adicionado o arquivo teste.txt com primeira linha de texto
```

Alteração feita no último commit

```
git log -1 --stat
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git log -1 --stat
commit 1c4a3ccc05243f70efa9a6ad9059dadd92430111 (HEAD -> master)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 15:43:02 2022 -0300

    Adicionado arquivo teste2.txt com primeira linha de texto

teste2.txt | 1 +
1 file changed, 1 insertion(+)
```

Monitorando apenas as modificações feitas em um arquivo específico

```
git log -- teste.txt
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git log -- teste.txt
commit a618d42de3c2cbef179e9de9580b0b01695465f5
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 15:14:09 2022 -0300

    Inserida terceira linha de texto

commit 4b8eb8c3363998d664be0b36470fc18e77b8a60c
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 14:56:56 2022 -0300

    Inserida segunda linha de texto

commit 5246f1a4e5b87704ab03289067779ef2c431a2c1
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 14:53:07 2022 -0300

    Adicionado o arquivo teste.txt com primeira linha de texto
```

Aula 04 - Mais opções de visualização do git log

Opção em forma de gráfico

```
git log --graph
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git log --graph
* commit 1c4a3ccc05243f70efa9a6ad9059dadd92430111 (HEAD -> master)
| Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
| Date:   Sat Jan 1 15:43:02 2022 -0300
|
|     Adicionado arquivo teste2.txt com primeira linha de texto
|
* commit a618d42de3c2cbef179e9de9580b0b01695465f5
| Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
| Date:   Sat Jan 1 15:14:09 2022 -0300
|
|     Inserida terceira linha de texto
|
* commit 4b8eb8c3363998d664be0b36470fc18e77b8a60c
| Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
| Date:   Sat Jan 1 14:56:56 2022 -0300
|
|     Inserida segunda linha de texto
|
* commit 5246f1a4e5b87704ab03289067779ef2c431a2c1
| Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
| Date:   Sat Jan 1 14:53:07 2022 -0300
|
|     Adicionado o arquivo teste.txt com primeira linha de texto
```

Opção com apenas uma linha

```
git log --oneline
```

Exibe apenas os primeiros caracteres do hash e a mensagem do commit

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git log --oneline
1c4a3cc (HEAD -> master) Adicionado arquivo teste2.txt com primeira linha de texto
a618d42 Inserida terceira linha de texto
4b8eb8c Inserida segunda linha de texto
5246f1a Adicionado o arquivo teste.txt com primeira linha de texto
```

Exibindo os commits por um autor específico

Útil quando se está trabalhando num determinado projeto com várias pessoas.

```
git log --author="Roberto Pinheiro"
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git log --author="Roberto Pinheiro"
commit 1c4a3ccc05243f70efa9a6ad9059dadd92430111 (HEAD -> master)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 15:43:02 2022 -0300

    Adicionado arquivo teste2.txt com primeira linha de texto

commit a618d42de3c2cbef179e9de9580b0b01695465f5
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 15:14:09 2022 -0300

    Inserida terceira linha de texto

commit 4b8eb8c3363998d664be0b36470fc18e77b8a60c
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 14:56:56 2022 -0300

    Inserida segunda linha de texto

commit 5246f1a4e5b87704ab03289067779ef2c431a2c1
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 14:53:07 2022 -0300

    Adicionado o arquivo teste.txt com primeira linha de texto
```

Pesquisando por uma palavra na mensagem do commit

```
git log --grep "primeira"
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git log --grep "primeira"
commit 1c4a3ccc05243f70efa9a6ad9059dadd92430111 (HEAD -> master)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 15:43:02 2022 -0300

    Adicionado arquivo teste2.txt com primeira linha de texto

commit 5246f1a4e5b87704ab03289067779ef2c431a2c1
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 14:53:07 2022 -0300

    Adicionado o arquivo teste.txt com primeira linha de texto
```

Aula 05 - Criando novas branchs e fazendo merge entre elas

Criando um branch

git checkout -b aulaBranch

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git checkout -b aulaBranch
Switched to a new branch 'aulaBranch'
```

git status

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (aulaBranch)
$ git status
On branch aulaBranch
nothing to commit, working tree clean
```

Criando um arquivo na nova branch

- Na branch **aulaBranch** Crie um arquivo chamado **branch.txt**

branch.txt

Aula sobre branch no Git!

git add .

git commit -m "Aula de branch"

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (aulaBranch)
$ git commit -m "Aula de branch"
[aulaBranch 98e41ab] Aula de branch
 1 file changed, 1 insertion(+)
  create mode 100644 branch.txt
```

```
git log
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (aulaBranch)
$ git log
commit 98e41ab220388a2e4a1e5ea158f439ac62e754c1 (HEAD -> aulaBranch)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 18:55:19 2022 -0300

    Aula de branch

commit 1c4a3ccc05243f70efa9a6ad9059dadd92430111 (master)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 15:43:02 2022 -0300

    Adicionado arquivo teste2.txt com primeira linha de texto

commit a618d42de3c2cbef179e9de9580b0b01695465f5
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 15:14:09 2022 -0300

    Inserida terceira linha de texto

commit 4b8eb8c3363998d664be0b36470fc18e77b8a60c
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 14:56:56 2022 -0300

    Inserida segunda linha de texto

commit 5246f1a4e5b87704ab03289067779ef2c431a2c1
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 14:53:07 2022 -0300

    Adicionado o arquivo teste.txt com primeira linha de texto
```

```
git log --graph
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (aulaBranch)
$ git log --graph
* commit 98e41ab220388a2e4a1e5ea158f439ac62e754c1 (HEAD -> aulaBranch)
| Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
| Date:   Sat Jan 1 18:55:19 2022 -0300
|
|     Aula de branch
|
* commit 1c4a3ccc05243f70efa9a6ad9059dadd92430111 (master)
| Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
| Date:   Sat Jan 1 15:43:02 2022 -0300
|
|     Adicionado arquivo teste2.txt com primeira linha de texto
|
* commit a618d42de3c2cbef179e9de9580b0b01695465f5
| Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
| Date:   Sat Jan 1 15:14:09 2022 -0300
|
|     Inserida terceira linha de texto
|
* commit 4b8eb8c3363998d664be0b36470fc18e77b8a60c
| Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
| Date:   Sat Jan 1 14:56:56 2022 -0300
|
|     Inserida segunda linha de texto
|
* commit 5246f1a4e5b87704ab03289067779ef2c431a2c1
| Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
| Date:   Sat Jan 1 14:53:07 2022 -0300
|
|     Adicionado o arquivo teste.txt com primeira linha de texto
```

Voltando para o branch master

git checkout master

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (aulaBranch)
$ git checkout master
Switched to branch 'master'

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$
```

git log

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git log
commit 1c4a3ccc05243f70efa9a6ad9059dadd92430111 (HEAD -> master)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 15:43:02 2022 -0300

    Adicionado arquivo teste2.txt com primeira linha de texto

commit a618d42de3c2bef179e9de9580b0b01695465f5
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 15:14:09 2022 -0300

    Inserida terceira linha de texto

commit 4b8eb8c3363998d664be0b36470fc18e77b8a60c
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 14:56:56 2022 -0300

    Inserida segunda linha de texto

commit 5246f1a4e5b87704ab03289067779ef2c431a2c1
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 14:53:07 2022 -0300

    Adicionado o arquivo teste.txt com primeira linha de texto
```

Este Computador > W10-161 (C:) > xampp > htdocs > git_github_geofisicando

Nome	Data de modificação	Tipo	Tamanho
.git	01/01/2022 19:01	Pasta de arquivos	
teste.txt	01/01/2022 15:03	Documento de Te...	1 KB
teste2.txt	01/01/2022 15:39	Documento de Te...	1 KB

git checkout aulaBranch

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git checkout aulaBranch
Switched to branch 'aulaBranch'
```

Este Computador > W10-161 (C:) > xampp > htdocs > git_github_geofisicando				
	Nome	Data de modificação	Tipo	Tamanho
	.git	01/01/2022 19:05	Pasta de arquivos	
	branch.txt	01/01/2022 19:05	Documento de Te...	1 KB
	teste.txt	01/01/2022 15:03	Documento de Te...	1 KB
	teste2.txt	01/01/2022 15:39	Documento de Te...	1 KB

Exibindo todas as branches

git branch

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (aulaBranch)
$ git branch
* aulaBranch
  master
```

Exibindo o último commit de cada branch

git branch -v

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (aulaBranch)
$ git branch -v
* aulaBranch 98e41ab Aula de branch
  master      1c4a3cc Adicionado arquivo teste2.txt com primeira linha de texto
```

Voltando para a branch master

git checkout master

git log

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git log
commit 1c4a3ccc05243f70efa9a6ad9059dadd92430111 (HEAD -> master)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 15:43:02 2022 -0300

    Adicionado arquivo teste2.txt com primeira linha de texto

commit a618d42de3c2cbef179e9de9580b0b01695465f5
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 15:14:09 2022 -0300

    Inserida terceira linha de texto

commit 4b8eb8c3363998d664be0b36470fc18e77b8a60c
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 14:56:56 2022 -0300

    Inserida segunda linha de texto

commit 5246f1a4e5b87704ab03289067779ef2c431a2c1
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 14:53:07 2022 -0300

    Adicionado o arquivo teste.txt com primeira linha de texto
```

Alterando arquivo teste2.txt

teste2.txt

Primeira linha do arquivo teste2.txt

Segunda linha do arquivo teste2.txt

git add .

git commit -m "Adicionada segunda linha de texto no arquivo teste2.txt"

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git add .

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git commit -m "Adicionada segunda linha de texto no arquivo teste2.txt"
[master 07c075b] Adicionada segunda linha de texto no arquivo teste2.txt
 1 file changed, 2 insertions(+), 1 deletion(-)
```

git branch -v

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git branch -v
  aulaBranch 98e41ab Aula de branch
* master      07c075b Adicionada segunda linha de texto no arquivo teste2.txt
```

Incorporando as modificações da branch aulaBranch na branch master

git merge aulaBranch

- Apenas salve sem digitar nenhum texto. <Ctrl><w> e saia do editor <Ctrl><q>

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git merge aulaBranch
Merge made by the 'recursive' strategy.
branch.txt | 1 +
1 file changed, 1 insertion(+)
create mode 100644 branch.txt
```

git log

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git log
commit 39183ac9b89a912e5b4a36e7497356bdca937ea2 (HEAD -> master)
Merge: 07c075b 98e41ab
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 19:24:50 2022 -0300

    Merge branch 'aulaBranch'

commit 07c075b78ddda1995c05bfffe22ad5a89400c0bba
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 19:19:43 2022 -0300

    Adicionada segunda linha de texto no arquivo teste2.txt

commit 98e41ab220388a2e4a1e5ea158f439ac62e754c1 (aulaBranch)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 18:55:19 2022 -0300

    Aula de branch

commit 1c4a3ccc05243f70efa9a6ad9059dadd92430111
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 15:43:02 2022 -0300

    Adicionado arquivo teste2.txt com primeira linha de texto

commit a618d42de3c2cbef179e9de9580b0b01695465f5
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 15:14:09 2022 -0300

    Inserida terceira linha de texto

commit 4b8eb8c3363998d664be0b36470fc18e77b8a60c
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 14:56:56 2022 -0300

    Inserida segunda linha de texto

commit 5246f1a4e5b87704ab03289067779ef2c431a2c1
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 14:53:07 2022 -0300

    Adicionado o arquivo teste.txt com primeira linha de texto
```

```
git log --graph
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git log --graph
* commit 39183ac9b89a912e5b4a36e7497356bdca937ea2 (HEAD -> master)
| \
| Merge: 07c075b 98e41ab
| Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
| Date:   Sat Jan 1 19:24:50 2022 -0300
|
|       Merge branch 'aulaBranch'
|
* commit 98e41ab220388a2e4a1e5ea158f439ac62e754c1 (aulaBranch)
| Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
| Date:   Sat Jan 1 18:55:19 2022 -0300
|
|       Aula de branch
|
* commit 07c075b78ddda1995c05bffe22ad5a89400c0bba
| Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
| Date:   Sat Jan 1 19:19:43 2022 -0300
|
|       Adicionada segunda linha de texto no arquivo teste2.txt
|
* commit 1c4a3ccc05243f70efa9a6ad9059dadd92430111
| Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
| Date:   Sat Jan 1 15:43:02 2022 -0300
|
|       Adicionado arquivo teste2.txt com primeira linha de texto
|
* commit a618d42de3c2cbef179e9de9580b0b01695465f5
| Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
| Date:   Sat Jan 1 15:14:09 2022 -0300
|
|       Inserida terceira linha de texto
|
* commit 4b8eb8c3363998d664be0b36470fc18e77b8a60c
| Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
| Date:   Sat Jan 1 14:56:56 2022 -0300
|
|       Inserida segunda linha de texto
|
* commit 5246f1a4e5b87704ab03289067779ef2c431a2c1
| Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
| Date:   Sat Jan 1 14:53:07 2022 -0300
|
|       Adicionado o arquivo teste.txt com primeira linha de texto
```

```
git log --graph --oneline
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git log --graph --oneline
* 39183ac (HEAD -> master) Merge branch 'aulaBranch'
| \
| * 98e41ab (aulaBranch) Aula de branch
* | 07c075b Adicionada segunda linha de texto no arquivo teste2.txt
|/
* 1c4a3cc Adicionado arquivo teste2.txt com primeira linha de texto
* a618d42 Inserida terceira linha de texto
* 4b8eb8c Inserida segunda linha de texto
* 5246f1a Adicionado o arquivo teste.txt com primeira linha de texto
```

Aula 06 - Como configurar seu nome de usuário e email nos commits

Listando as variáveis de ambiente do git

```
git config --list
```

ou

```
git config -l
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git config -l
diff.astextplain.textconv=astextplain
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
http.sslbackend=openssl
http.sslcainfo=C:/Program Files/Git/mingw64/ssl/certs/ca-bundle.crt
core.autocrlf=true
core.fscache=true
core.symlinks=false
pull.rebase=false
credential.helper=manager-core
credential.https://dev.azure.com.usehttppath=true
init.defaultbranch=master
user.name=Roberto Pinheiro
user.email=betopinheiro1005@yahoo.com.br
core.repositoryformatversion=0
core.filemode=false
core.bare=false
core.logallrefupdates=true
core.symlinks=false
core.ignorecase=true
```

Listando as variáveis de ambiente locais

```
git config -l --local
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git config -l --local
core.repositoryformatversion=0
core.filemode=false
core.bare=false
core.logallrefupdates=true
core.symlinks=false
core.ignorecase=true
```

Listando as variáveis de ambiente globais

```
git config -l --global
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git config -l --global
user.name=Roberto Pinheiro
user.email=betopinheiro1005@yahoo.com.br
```

Configurando usuário e email

```
git config user.name "Roberto Pinheiro"
```

```
git config user.email "betopinheiro1005@yahoo.com.br"
```

Configurando o editor de forma local

```
git config --local core.editor vi
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git config --local core.editor vi
```

```
git config -l --local
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git config -l --local
core.repositoryformatversion=0
core.filenode=false
core.bare=false
core.logallrefupdates=true
core.symlinks=false
core.ignorecase=true
core.editor=vi
```

```
echo "Arquivo Novo" >> arquivoNovo.txt
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ echo "Arquivo Novo" >> arquivoNovo.txt
```

```
ls
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ ls
arquivoNovo.txt branch.txt teste.txt teste2.txt
```

cat arquivoNovo.txt

```
betol@DESKTOP-HTFIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ cat arquivoNovo.txt
Arquivo Novo
```

git status

```
betol@DESKTOP-HTFIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    arquivoNovo.txt

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

git add .

git status

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   arquivoNovo.txt
```

git commit

No **VI** o comando para gravar e sair é :**wq** (dois pontos+w+q).
Vc deve teclar <ESC> antes para entrar no modo de comando.

```
MINGW64:/c/xampp/htdocs/git_github_geofisicando
betol@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git commit
[master e0d517f] Novo arquivo de teste.
 1 file changed, 1 insertion(+)
 create mode 100644 arquivoNovo.txt
```

git log

```
betol@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git log
commit e0d517f2f566bd77a91ca5e19a8b754d88ff51f0 (HEAD -> master)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sun Jan 2 07:41:22 2022 -0300

    Novo arquivo de teste.

    Comentário qualquer!!!

commit 39183ac9b89a912e5b4a36e7497356bdca937ea2
Merge: 07c075b 98e41ab
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 19:24:50 2022 -0300

    Merge branch 'aulaBranch'

commit 07c075b78ddda1995c05bfffe22ad5a89400c0bba
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 19:19:43 2022 -0300

    Adicionada segunda linha de texto no arquivo teste2.txt

commit 98e41ab220388a2e4a1e5ea158f439ac62e754c1 (aulaBranch)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 18:55:19 2022 -0300

    Aula de branch

commit 1c4a3ccc05243f70efa9a6ad9059dadd92430111
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 15:43:02 2022 -0300

    Adicionado arquivo teste2.txt com primeira linha de texto

commit a618d42de3c2cbef179e9de9580b0b01695465f5
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 15:14:09 2022 -0300

    Inserida terceira linha de texto

commit 4b8eb8c3363998d664be0b36470fc18e77b8a60c
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 14:56:56 2022 -0300

    Inserida segunda linha de texto
```

```
commit 5246f1a4e5b87704ab03289067779ef2c431a2c1
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 14:53:07 2022 -0300

    Adicionado o arquivo teste.txt com primeira linha de texto
(END)
```

- Pressione a tecla <q> para sair.

Aula 07 - Criar atalhos para os comandos do git e do shell no repositório git

Criando um alias

```
git config --local --list
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git config --local --list
core.repositoryformatversion=0
core.filemode=false
core.bare=false
core.logallrefupdates=true
core.symlinks=false
core.ignorecase=true
core.editor=vi
```

```
git config --local alias.conf 'config --local --list'
```

```
git conf
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git config --local alias.conf 'config --local --list'

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git conf
core.repositoryformatversion=0
core.filemode=false
core.bare=false
core.logallrefupdates=true
core.symlinks=false
core.ignorecase=true
core.editor=vi
alias.conf=config --local --list
```

Criando um novo alias

```
git config --local alias.l '!ls -l'
```

```
git l
```

O símbolo ! é utilizado para informar ao git que se trata de um comando externo e não de um comando do git.

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git config --local alias.l '!ls -l'

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git l
total 4
-rw-r--r-- 1 beto1 197609 13 Jan  2 07:38 arquivoNovo.txt
-rw-r--r-- 1 beto1 197609 25 Jan  1 19:24 branch.txt
-rw-r--r-- 1 beto1 197609 50 Jan  1 15:03 teste.txt
-rw-r--r-- 1 beto1 197609 73 Jan  1 19:16 teste2.txt
```

```
git conf
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git conf
core.repositoryformatversion=0
core.filemode=false
core.bare=false
core.logallrefupdates=true
core.symlinks=false
core.ignorecase=true
core.editor=vi
alias.conf=config --local --list
alias.l=!ls -l
```

Deletando os aliases criados

```
git config --local --unset alias.l
```

```
git conf
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git config --local --unset alias.l

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git conf
core.repositoryformatversion=0
core.filemode=false
core.bare=false
core.logallrefupdates=true
core.symlinks=false
core.ignorecase=true
core.editor=vi
alias.conf=config --local --list
```

```
git config --local --unset alias.conf
```

```
git conf
```

```
git config --local --list
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git config --local --unset alias.conf

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git conf
git: 'conf' is not a git command. See 'git --help'.

The most similar command is
    config

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git config --local --list
core.repositoryformatversion=0
core.filemode=false
core.bare=false
core.logallrefupdates=true
core.symlinks=false
core.ignorecase=true
core.editor=vi
```

Aula 08 - Como editar uma mensagem de commit incorreta no Git

Alterando a mensagem do último commit

- Para modificar a mensagem do último commit do histórico use o comando:

```
git commit --amend
```

```
Novo arquivo de teste.  
Comentário qualquer!!!  
  
# Please enter the commit message for your changes. Lines starting  
# with '#' will be ignored, and an empty message aborts the commit.  
#  
# Date: Sun Jan 2 07:41:22 2022 -0300  
#  
# On branch master  
# Changes to be committed:  
#   new file: arquivoNovo.txt  
#  
~  
~  
~  
~  
~
```

```
Arquivo de teste alterado com amend.  
  
# Please enter the commit message for your changes. Lines starting  
# with '#' will be ignored, and an empty message aborts the commit.  
#  
# Date: Sun Jan 2 07:41:22 2022 -0300  
#  
# On branch master  
# Changes to be committed:  
#   new file: arquivoNovo.txt  
#  
~  
~  
~  
~  
~
```

<Esc> :wq

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)  
$ git commit --amend  
[master ef8b1e8] Arquivo de teste alterado com amend.  
  Date: Sun Jan 2 07:41:22 2022 -0300  
  1 file changed, 1 insertion(+)  
  create mode 100644 arquivoNovo.txt
```

git log --oneline

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)  
$ git log --oneline  
ef8b1e8 (HEAD -> master) Arquivo de teste alterado com amend.  
39183ac Merge branch 'aulaBranch'  
07c075b Adicionada segunda linha de texto no arquivo teste2.txt  
98e41ab (aulaBranch) Aula de branch  
1c4a3cc Adicionado arquivo teste2.txt com primeira linha de texto  
a618d42 Inserida terceira linha de texto  
4b8eb8c Inserida segunda linha de texto  
5246f1a Adicionado o arquivo teste.txt com primeira linha de texto
```

Alterando o conteúdo do commit

`git commit --amend` cria um novo hash

git log -1 -p

```
betol@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git log -1 -p
commit ef8b1e892bac7dfcee7b35b3f1862a85aefc92f4 (HEAD -> master)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sun Jan 2 07:41:22 2022 -0300

    Arquivo de teste alterado com amend.

diff --git a/arquivoNovo.txt b/arquivoNovo.txt
new file mode 100644
index 000000..5031c6b
--- /dev/null
+++ b/arquivoNovo.txt
@@ -0,0 +1 @@
+Arquivo Novo
```

vi arquivoNovo.txt

Arquivo Novo
~
~
~
~
~
~
~
~
~

Alteração para salvar com amend

<Esc> :wq

git status

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git status
On branch 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:   arquivoNovo.txt

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

```
git add .
```

```
git status
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git add .
warning: LF will be replaced by CRLF in arquivoNovo.txt.
The file will have its original line endings in your working directory

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git status
]On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    modified:   arquivoNovo.txt
```

```
git commit --amend
```

```
Arquivo de teste alterado com amend.

# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# Date:      Sun Jan 2 07:41:22 2022 -0300
#
# On branch master
# Changes to be committed:
#       new file:  arquivoNovo.txt
#
~
~
~
~
```

```
Arquivo de teste alterado com amend outra vez.

# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# Date:      Sun Jan 2 07:41:22 2022 -0300
#
# On branch master
# Changes to be committed:
#       new file:  arquivoNovo.txt
#
```

```
<Esc> :wq
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git commit --amend
[master d87a693] Arquivo de teste alterado com amend outra vez.
Date: Sun Jan 2 07:41:22 2022 -0300
1 file changed, 1 insertion(+)
create mode 100644 arquivoNovo.txt
```

```
git log --oneline
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git log --oneline
d87a693 (HEAD -> master) Arquivo de teste alterado com amend outra vez.
39183ac Merge branch 'aulaBranch'
07c075b Adicionada segunda linha de texto no arquivo teste2.txt
98e41ab (aulaBranch) Aula de branch
1c4a3cc Adicionado arquivo teste2.txt com primeira linha de texto
a618d42 Inserida terceira linha de texto
4b8eb8c Inserida segunda linha de texto
5246f1a Adicionado o arquivo teste.txt com primeira linha de texto
```

- Observe que não foi feito um novo commit, o que ocorreu é que o último commit foi sobreescrito.
- O hash do último commit também foi alterado.

Aula 09 - Amend e Co authored by (Parte 2)

O Git e o Github permitem colocar mais de um autor nos commits.

Corrigindo conteúdo

vi branch.txt

```
Aula sobre branch no Git!
~
~
~
~
~
~
~
```

```
Aula sobre branch no Git! - Conteúdo alterado!
~
~
~
~
~
~
~
```

<Esc> :wq

git status

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git status
On branch 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:   branch.txt

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

git add .

git status

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git add .
warning: LF will be replaced by CRLF in branch.txt.
The file will have its original line endings in your working directory

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    modified:   branch.txt
```

```
git commit -m "Commit da aula de amend no edit"
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git commit -m "Commit da aula de amend no edit"
[master 4db03ed] Commit da aula de amend no edit
 1 file changed, 1 insertion(+), 1 deletion(-)
```

```
git log -1
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git log -1
commit 4db03edd5d5ce071e6fe1cb53de137270dd8d416 (HEAD -> master)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sun Jan 2 12:04:05 2022 -0300

  Commit da aula de amend no edit
```

```
vi branch.txt
```

```
Aula sobre branch no Git! - Conteúdo alterado!
~
~
~
~
~
~
~
~
```

```
Aula sobre branch no Git! - Conteúdo alterado!
Hello world!
~
~
~
~
```

```
<Esc> :wq
```

```
git add -u
```

```
git commit --amend --no-edit
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git add -u
warning: LF will be replaced by CRLF in branch.txt.
The file will have its original line endings in your working directory

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git commit --amend --no-edit
[master 0f8abbd] Commit da aula de amend no edit
  Date: Sun Jan 2 12:04:05 2022 -0300
  1 file changed, 2 insertions(+), 1 deletion(-)
```

```
git log -1 -p
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git log -1 -p
commit 0f8abbd9eb192057157cb92b56cab7aba5c41a (HEAD -> master)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sun Jan 2 12:04:05 2022 -0300

    Commit da aula de amend no edit

diff --git a/branch.txt b/branch.txt
index a2c74c1..e42ab9c 100644
--- a/branch.txt
+++ b/branch.txt
@@ -1 +1,2 @@
-Aula sobre branch no Git!
\ No newline at end of file
+Aula sobre branch no Git! - Conteúdo alterado!
+Hello world!
```

Adicionando um co-autor na mensagem de commit

Co-authored-by: geofisicando <geofisicando.rn@gmail.com>

```
vi teste2.txt
```

```
Primeira linha do arquivo teste2.txt
Segunda linha do arquivo teste2.txt
~
~
~
~
~
~
```

```
Alteração feita pelo Geofisicando...
Primeira linha do arquivo teste2.txt
Segunda linha do arquivo teste2.txt
~
~
~
~
```

```
<Esc> :wq
```

```
git add -u
```

```
git commit -m "Co-autoria de Geofisicando Co-authored-by: geofisicando <geofisicando.rn@gmail.com>"
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git add -u

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git commit -m "Co-autoria de Geofisicando Co-authored-by: geofisicando <geofisicando.rn@gmail.com>"
[master dc9b700] Co-autoria de Geofisicando Co-authored-by: geofisicando <geofisicando.rn@gmail.com>
1 file changed, 2 insertions(+), 1 deletion(-)
```

```
git log -1
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git log -1
commit dc9b7006f2f48b4cb1c8fca7be976be5ac44b2f5 (HEAD -> master)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sun Jan 2 12:30:29 2022 -0300

Co-autoria de Geofisicando Co-authored-by: geofisicando <geofisicando.rn@gmail.com>
```

```
git push
```

Aula 10 - Editar o histórico de commits no modo iterativo

Criando uma branch de testes

```
git checkout -b testes
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git checkout -b testes
Switched to a new branch 'testes'
```

Adicionando commits a este branch

- Na branch **testes** crie os seguintes arquivos:

new_teste1.txt

Novo teste 1 - Primeira linha

```
git add .
```

```
git commit -m "Commit 1"
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (testes)
$ git add .

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (testes)
$ git commit -m "Commit 1"
[testes 8e6d596] Commit 1
 1 file changed, 1 insertion(+)
  create mode 100644 new_teste1.txt
```

new_teste2.txt

Novo teste 2 - Primeira linha

```
git add .
```

```
git commit -m "Commit 2"
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (testes)
$ git add .

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (testes)
$ git commit -m "Commit 2"
[testes c76f639] Commit 2
 1 file changed, 1 insertion(+)
  create mode 100644 new_teste2.txt
```

new_teste3.txt

Novo teste 3 - Primeira linha

git add .

git commit -m "Commit 3"

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (testes)
$ git add .

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (testes)
$ git commit -m "Commit 3"
[testes f2f5cb4] Commit 3
 1 file changed, 1 insertion(+)
  create mode 100644 new_teste3.txt
```

new_teste4.txt

Novo teste 4 - Primeira linha

git add .

git commit -m "Commit 4"

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (testes)
$ git add .

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (testes)
$ git commit -m "Commit 4"
[testes d7eed7e] Commit 4
 1 file changed, 1 insertion(+)
  create mode 100644 new_teste4.txt
```

git log

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (testes)
$ git log
commit c5b8b489c525284a9f7e39f756af6ee12bfa54a (HEAD -> testes)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sun Jan 2 18:50:13 2022 -0300

    Commit 4

commit 8dd49afdb88f617529e97bc95974224230655be6
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sun Jan 2 18:48:03 2022 -0300

    Commit 3

commit 9a126d930e27592480175b5fc1e1d91b1ae037c0
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sun Jan 2 18:46:28 2022 -0300

    Commit 2

commit ba50812a7bcec73d53922719a38e1587e65af971
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sun Jan 2 18:44:37 2022 -0300

    Commit 1
```

git rebase -i HEAD~4

- Aperte a tecla INSERT ou i para editar o arquivo.

```
pick ba50812 Commit 1
pick 9a126d9 Commit 2
pick 8dd49af Commit 3
pick c5b8b48 Commit 4

# Rebase dc9b700..c5b8b48 onto dc9b700 (4 commands)
#
# Commands:
# p, pick <commit> = use commit
# r, reword <commit> = use commit, but edit the commit message
# e, edit <commit> = use commit, but stop for amending
# s, squash <commit> = use commit, but meld into previous commit
# f, fixup [-C | -c] <commit> = like "squash" but keep only the previous
#                               commit's log message, unless -C is used, in which case
#                               keep only this commit's message; -c is same as -C but
#                               opens the editor
# x, exec <command> = run command (the rest of the line) using shell
# b, break = stop here (continue rebase later with 'git rebase --continue')
# d, drop <commit> = remove commit
# l, label <label> = label current HEAD with a name
# t, reset <label> = reset HEAD to a label
# m, merge [-C <commit>] [-c <commit>] <label> [<oneline>]
# .      create a merge commit using the original merge commit's
# .      message (or the oneline, if no original merge commit was
# .      specified); use -c <commit> to reword the commit message
#
# These lines can be re-ordered; they are executed from top to bottom.
#
# If you remove a line here THAT COMMIT WILL BE LOST.
#
# However, if you remove everything, the rebase will be aborted.
#
~
~
~
~
~
```

```

edit ba50812 Commit 1
edit 9a126d9 Commit 2
pick 8dd49af Commit 3
edit| c5b8b48 Commit 4

# Rebase dc9b700..c5b8b48 onto dc9b700 (4 commands)
#
# Commands:
# p, pick <commit> = use commit
# r, reword <commit> = use commit, but edit the commit message
# e, edit <commit> = use commit, but stop for amending
# s, squash <commit> = use commit, but meld into previous commit
# f, fixup [-C | -c] <commit> = like "squash" but keep only the previous
#                   commit's log message, unless -C is used, in which case
#                   keep only this commit's message; -c is same as -C but
#                   opens the editor
# x, exec <command> = run command (the rest of the line) using shell
# b, break = stop here (continue rebase later with 'git rebase --continue')
# d, drop <commit> = remove commit
# l, label <label> = label current HEAD with a name
# t, reset <label> = reset HEAD to a label
# m, merge [-C <commit> | -c <commit>] <label> [<oneline>]
# .           create a merge commit using the original merge commit's
# .           message (or the oneline, if no original merge commit was
# .           specified); use -c <commit> to reword the commit message

# These lines can be re-ordered; they are executed from top to bottom.
#
# If you remove a line here THAT COMMIT WILL BE LOST.
#
# However, if you remove everything, the rebase will be aborted.
#
~ 
~ 
~ 

```

<Esc> :wq

```

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (testes)
$ git rebase -i HEAD~4
Stopped at ba50812... Commit 1
You can amend the commit now, with

  git commit --amend

Once you are satisfied with your changes, run

  git rebase --continue

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (testes|REBASE 1/4)
$ ...

```

git commit --amend

```

Commit 1

# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# Date:      Sun Jan 2 18:44:37 2022 -0300
#
# interactive rebase in progress; onto dc9b700
# Last command done (1 command done):
#   edit ba50812 Commit 1
# Next commands to do (3 remaining commands):
#   edit 9a126d9 Commit 2
#   pick 8dd49af Commit 3
# You are currently editing a commit while rebasing branch 'testes' on 'dc9b700'.
#
# Changes to be committed:
#       new file:  new_teste1.txt
#
~ 
~ 
~ 

```

```
Commit 1 - Alterado pelo git rebase

# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# Date:      Sun Jan 2 18:44:37 2022 -0300
#
# interactive rebase in progress; onto dc9b700
# Last command done (1 command done):
#   edit ba50812 Commit 1
# Next commands to do (3 remaining commands):
#   edit 9a126d9 Commit 2
#   pick 8dd49af Commit 3
# You are currently editing a commit while rebasing branch 'testes' on 'dc9b700'.
#
# Changes to be committed:
#       new file:  new_teste1.txt
#
~
~
~
```

<Esc> :wq

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (testes|REBASE 1/4)
$ git commit --amend
[detached HEAD 0e33bc6] Commit 1 - Alterado pelo git rebase
  Date: Sun Jan 2 18:44:37 2022 -0300
  1 file changed, 1 insertion(+)
  create mode 100644 new_teste1.txt
```

git rebase --continue

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (testes|REBASE 1/4)
$ git rebase --continue
Stopped at 9a126d9... Commit 2
You can amend the commit now, with

  git commit --amend

Once you are satisfied with your changes, run

  git rebase --continue
```

git commit --amend

```
Commit 2

# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# Date:      Sun Jan 2 18:46:28 2022 -0300
#
# interactive rebase in progress; onto dc9b700
# Last commands done (2 commands done):
#   edit ba50812 Commit 1
#   edit 9a126d9 Commit 2
# Next commands to do (2 remaining commands):
#   pick 8dd49af Commit 3
#   edit c5b8b48 Commit 4
# You are currently editing a commit while rebasing branch 'testes' on 'dc9b700'.
#
# Changes to be committed:
#       new file:  new_teste2.txt
#
~
~
```

```
Commit 2 - Alterado pelo rebase

# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# Date:      Sun Jan 2 18:46:28 2022 -0300
#
# interactive rebase in progress; onto dc9b700
# Last commands done (2 commands done):
#   edit ba50812 Commit 1
#   edit 9a126d9 Commit 2
# Next commands to do (2 remaining commands):
#   pick 8dd49af Commit 3
#   edit c5b8b48 Commit 4
# You are currently editing a commit while rebasing branch 'testes' on 'dc9b700'.
#
# Changes to be committed:
#       new file:  new_teste2.txt
#
~
```

<Esc> :wq

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (testes|REBASE 2/4)
$ git commit --amend
[detached HEAD 010f24b] Commit 2 - Alterado pelo rebase
  Date: Sun Jan 2 18:46:28 2022 -0300
  1 file changed, 1 insertion(+)
  create mode 100644 new_teste2.txt
```

git rebase --continue

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (testes|REBASE 2/4)
$ git rebase --continue
Stopped at c5b8b48... Commit 4
You can amend the commit now, with

  git commit --amend

Once you are satisfied with your changes, run

  git rebase --continue
```

vi new_teste4.txt

```
Novo teste 4 - Primeira linha
~
~
~
~
~
~
~
~
```

```
Mudei aqui durante o rebase
Novo teste 4 - Primeira linha
~
~
~
~
```

```
<Esc> :wq
```

```
git add new_teste4.txt
```

```
git commit --amend
```

```
Commit 4

# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# Date:      Sun Jan 2 18:50:13 2022 -0300
#
# interactive rebase in progress; onto dc9b700
# Last commands done (4 commands done):
#   pick 8dd49af Commit 3
#   edit c5b8b48 Commit 4
# No commands remaining.
# You are currently editing a commit while rebasing branch 'testes' on 'dc9b700'.
#
# Changes to be committed:
#       new file:  new_teste4.txt
#
~
```

```
Commit 4 - Alterei uma linha e fiz o rebase

# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# Date:      Sun Jan 2 18:50:13 2022 -0300
#
# interactive rebase in progress; onto dc9b700
# Last commands done (4 commands done):
#   pick 8dd49af Commit 3
#   edit c5b8b48 Commit 4
# No commands remaining.
# You are currently editing a commit while rebasing branch 'testes' on 'dc9b700'.
#
# Changes to be committed:
#       new file:  new_teste4.txt
#
~
```

```
<Esc> :wq
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (testes|REBASE 4/4)
$ git commit --amend
[detached HEAD 001d126] Commit 4 - Alterei uma linha e fiz o rebase
  Date: Sun Jan 2 18:50:13 2022 -0300
  1 file changed, 2 insertions(+)
  create mode 100644 new_teste4.txt
```

```
git rebase --continue
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (testes|REBASE 4/4)
$ git rebase --continue
Successfully rebased and updated refs/heads/testes.
```

```
git log
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (testes)
$ git log
commit 001d126c47e0670b5b81c84b6f10eca1d398cac9 (HEAD -> testes)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sun Jan 2 18:50:13 2022 -0300

    Commit 4 - Alterei uma linha e fiz o rebase

commit 25bb378ca174a8e6133f9131d987daba1992a1fd
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sun Jan 2 18:48:03 2022 -0300

    Commit 3

commit 010f24b99519c399c2a5dcba473bac6bfefbf5a78
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sun Jan 2 18:46:28 2022 -0300

    Commit 2 - Alterado pelo rebase

commit 0e33bc656344a3852c85d0cb33b85edfac7ae11f
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sun Jan 2 18:44:37 2022 -0300

    Commit 1 - Alterado pelo git rebase
```

```
git log -p
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (testes)
$ git log -p
commit 001d126c47e0670b5b81c84b6f10eca1d398cac9 (HEAD -> testes)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sun Jan 2 18:50:13 2022 -0300

    Commit 4 - Alterei uma linha e fiz o rebase

diff --git a/new_teste4.txt b/new_teste4.txt
new file mode 100644
index 000000..b188986
--- /dev/null
+++ b/new_teste4.txt
@@ -0,0 +1,2 @@
+Mudei aqui durante o rebase
+Novo teste 4 - Primeira Linha

commit 25bb378ca174a8e6133f9131d987daba1992a1fd
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sun Jan 2 18:48:03 2022 -0300

    Commit 3

diff --git a/new_teste3.txt b/new_teste3.txt
new file mode 100644
index 000000..2e540d7
--- /dev/null
+++ b/new_teste3.txt
@@ -0,0 +1 @@
+Novo teste 3 - Primeira linha
\ No newline at end of file

commit 010f24b99519c399c2a5dcba473bac6bfefbf5a78
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sun Jan 2 18:46:28 2022 -0300

    Commit 2 - Alterado pelo rebase

diff --git a/new_teste2.txt b/new_teste2.txt
new file mode 100644
index 000000..d045787
--- /dev/null
+++ b/new_teste2.txt
@@ -0,0 +1 @@
+Novo teste 2 - Primeira linha
\ No newline at end of file

commit 0e33bc656344a3852c85d0cb33b85edfac7ae11f
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sun Jan 2 18:44:37 2022 -0300
::
```

Aula 11 - Comprimir vários commits em um só com squash

squash junta pequenas modificações em um único commit.

git rebase -i HEAD~4

```
pick 0e33bc6 Commit 1 - Alterado pelo git rebase
pick 010f24b Commit 2 - Alterado pelo rebase
pick 25bb378 Commit 3
pick 001d126 Commit 4 - Alterei uma linha e fiz o rebase

# Rebase dc9b700..001d126 onto dc9b700 (4 commands)
#
# Commands:
# p, pick <commit> = use commit
# r, reword <commit> = use commit, but edit the commit message
# e, edit <commit> = use commit, but stop for amending
# s, squash <commit> = use commit, but meld into previous commit
# f, fixup [-C | -c] <commit> = like "squash" but keep only the previous
#                               commit's log message, unless -C is used, in which case
#                               keep only this commit's message; -c is same as -C but
#                               opens the editor
# x, exec <command> = run command (the rest of the line) using shell
# b, break = stop here (continue rebase later with 'git rebase --continue')
# d, drop <commit> = remove commit
# l, label <label> = label current HEAD with a name
# t, reset <label> = reset HEAD to a label
# m, merge [-C <commit> | -c <commit>] <label> [# <oneline>]
# .      create a merge commit using the original merge commit's
# .      message (or the oneline, if no original merge commit was
# .      specified); use -c <commit> to reword the commit message
#
# These lines can be re-ordered; they are executed from top to bottom.
#
# If you remove a line here THAT COMMIT WILL BE LOST.
#
# However, if you remove everything, the rebase will be aborted.
#
~
~
```

```
edit 0e33bc6 Commit 1 - Alterado pelo git rebase
squash 010f24b Commit 2 - Alterado pelo rebase
squash 25bb378 Commit 3
pick 001d126 Commit 4 - Alterei uma linha e fiz o rebase

# Rebase dc9b700..001d126 onto dc9b700 (4 commands)
#
# Commands:
# p, pick <commit> = use commit
# r, reword <commit> = use commit, but edit the commit message
# e, edit <commit> = use commit, but stop for amending
# s, squash <commit> = use commit, but meld into previous commit
# f, fixup [-C | -c] <commit> = like "squash" but keep only the previous
#                               commit's log message, unless -C is used, in which case
#                               keep only this commit's message; -c is same as -C but
#                               opens the editor
# x, exec <command> = run command (the rest of the line) using shell
# b, break = stop here (continue rebase later with 'git rebase --continue')
# d, drop <commit> = remove commit
# l, label <label> = label current HEAD with a name
# t, reset <label> = reset HEAD to a label
# m, merge [-C <commit> | -c <commit>] <label> [# <oneline>]
# .      create a merge commit using the original merge commit's
# .      message (or the oneline, if no original merge commit was
# .      specified); use -c <commit> to reword the commit message
#
# These lines can be re-ordered; they are executed from top to bottom.
#
# If you remove a line here THAT COMMIT WILL BE LOST.
#
# However, if you remove everything, the rebase will be aborted.
#
~
```

<Esc> :wq

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (testes)
$ git rebase -i HEAD~4
Stopped at 0e33bc6... Commit 1 - Alterado pelo git rebase
You can amend the commit now, with

  git commit --amend

Once you are satisfied with your changes, run

  git rebase --continue
```

git commit --amend

```
Commit 1 - Alterado pelo git rebase
# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# Date:      Sun Jan 2 18:44:37 2022 -0300
#
# interactive rebase in progress; onto dc9b700
# Last command done (1 command done):
#   edit 0e33bc6 Commit 1 - Alterado pelo git rebase
# Next commands to do (3 remaining commands):
#   squash 010f24b Commit 2 - Alterado pelo rebase
#   squash 25bb378 Commit 3
# You are currently editing a commit while rebasing branch 'testes' on 'dc9b700'.
#
# Changes to be committed:
#       new file:  new_teste1.txt
#
~
~
~
```

```
Commit 1 - Fiz o squash com git rebase
# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# Date:      Sun Jan 2 18:44:37 2022 -0300
#
# interactive rebase in progress; onto dc9b700
# Last command done (1 command done):
#   edit 0e33bc6 Commit 1 - Alterado pelo git rebase
# Next commands to do (3 remaining commands):
#   squash 010f24b Commit 2 - Alterado pelo rebase
#   squash 25bb378 Commit 3
# You are currently editing a commit while rebasing branch 'testes' on 'dc9b700'.
#
# Changes to be committed:
#       new file:  new_teste1.txt
#
~
~
~
```

<Esc> :wq

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (testes|REBASE 1/4)
$ git commit --amend
[detached HEAD 2b62db5] Commit 1 - Fiz o squash com git rebase
  Date: Sun Jan 2 18:44:37 2022 -0300
  1 file changed, 1 insertion(+)
  create mode 100644 new_teste1.txt
```

git rebase --continue

```
# This is a combination of 3 commits.
# This is the 1st commit message:

Commit 1 - Fiz o squash com git rebase

# This is the commit message #2:

Commit 2 - Alterado pelo rebase

# This is the commit message #3:

Commit 3

# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# Date:      Sun Jan 2 18:44:37 2022 -0300
#
# interactive rebase in progress; onto dc9b700
# Last commands done (3 commands done):
#   squash 010f24b Commit 2 - Alterado pelo rebase
#   squash 25bb378 Commit 3
# Next command to do (1 remaining command):
#   pick 001d126 Commit 4 - Alterei uma linha e fiz o rebase
# You are currently rebasing branch 'testes' on 'dc9b700'.
#
# Changes to be committed:
#       new file:  new_teste1.txt
#       new file:  new_teste2.txt
#       new file:  new_teste3.txt
#
~
```

- Para excluir linha use o comando dd

```
# This is a combination of 3 commits.
# This is the 1st commit message:

Commit 1 - Fiz o squash com git rebase

Squash dos commits 2 e 3 no commit 1

# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# Date:      Sun Jan 2 18:44:37 2022 -0300
#
# interactive rebase in progress; onto dc9b700
# Last commands done (3 commands done):
#   squash 010f24b Commit 2 - Alterado pelo rebase
#   squash 25bb378 Commit 3
# Next command to do (1 remaining command):
#   pick 001d126 Commit 4 - Alterei uma linha e fiz o rebase
# You are currently rebasing branch 'testes' on 'dc9b700'.
#
# Changes to be committed:
#       new file:  new_teste1.txt
#       new file:  new_teste2.txt
#       new file:  new_teste3.txt
#
~
```

<Esc> :wq

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (testes|REBASE 1/4)
$ git rebase --continue
[detached HEAD f09344e] Commit 1 - Fiz o squash com git rebase
Date: Sun Jan 2 18:44:37 2022 -0300
3 files changed, 3 insertions(+)
create mode 100644 new_teste1.txt
create mode 100644 new_teste2.txt
create mode 100644 new_teste3.txt
Successfully rebased and updated refs/heads/testes.
```

git log

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (testes)
$ git log
commit d140cb54c1b04489ab5e902a9556e36ca457e3fd (HEAD -> testes)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date: Sun Jan 2 18:50:13 2022 -0300

    Commit 4 - Alterei uma linha e fiz o rebase

commit f09344e8c5d65677ec3deb0ae6dd589107405bcd
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date: Sun Jan 2 18:44:37 2022 -0300

    Commit 1 - Fiz o squash com git rebase

    Squash dos commits 2 e 3 no commit 1
```

Aula 13 - Como criar um repositório no Github

The screenshot shows the GitHub interface for creating a new repository. At the top, there's a search bar and navigation links for Pull requests, Issues, Marketplace, and Explore. On the right, there are user profile icons and a plus sign for creating new repositories.

Create a new repository

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

Owner * **Repository name ***

Owner: betopinheiro1005 / Repository name: curso-git-github-geofisicando ✓

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

Description (optional)

Curso de Git / Github - Geofisicando (Rodolfo Dirack)

Visibility

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

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

Initialize this repository with:

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

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

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

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

License: GNU General Public ... ▾

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

Create repository

The screenshot shows the GitHub repository page for 'curso-git-github-geofisicando'. The repository is public and owned by 'betopinheiro1005'. It has 1 branch and 0 tags. The repository page includes a code editor showing the 'README.md' file, which contains the text 'curso-git-github-geofisicando' and 'Curso de Git / Github - Geofisicando (Rodolfo Dirack)'. The sidebar on the right provides information about the repository, including its description, license (GNU General Public License), and metrics like 1 commit, 0 stars, and 0 forks. It also shows sections for Releases, Packages, and Insights.

Aula 14 - Como clonar repositórios do github para sua máquina

Fazendo clonagem com HTTPS

- Copie o endereço para a área de transferência.

- Em C:\xampp\htdocs entre com o comando:

```
git clone https://github.com/betopinheiro1005/curso-git-github-geofisicando.git
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs
$ git clone https://github.com/betopinheiro1005/curso-git-github-geofisicando.git
Cloning into 'curso-git-github-geofisicando'...
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (4/4), 12.53 KiB | 78.00 KiB/s, done.
```

```
cd curso-git-github-geofisicando
```

```
ls
```

```
git log
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ ls
LICENSE README.md

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git log
commit 8423eb76c0bee0b7695d10183e74577e0b817c44 (HEAD -> main, origin/main, origin/HEAD)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Mon Jan 3 08:21:40 2022 -0300

    Initial commit
```

- Crie o arquivo arq1.txt:

```
touch arq1.txt
echo "Primeira alteração" >> arq1.txt
cat arq1.txt
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ touch arq1.txt

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ echo "Primeira alteração" >> arq1.txt

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ cat arq1.txt
Primeira alteração
```

git status

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    arq1.txt

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

git add arq1.txt

git commit -m "Commit do arquivo 1"

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git add arq1.txt
warning: LF will be replaced by CRLF in arq1.txt.
The file will have its original line endings in your working directory

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git commit -m "Commit do arquivo 1"
[main aa335ff] Commit do arquivo 1
 1 file changed, 1 insertion(+)
 create mode 100644 arq1.txt
```

git log

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git log
commit aa335ffa32c841f0a0518b805d58a24bdc1d2b8c (HEAD -> main)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Mon Jan 3 09:07:25 2022 -0300

    Commit do arquivo 1

commit 8423eb76c0bee0b7695d10183e74577e0b817c44 (origin/main, origin/HEAD)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Mon Jan 3 08:21:40 2022 -0300

    Initial commit
```

git push

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 2 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 343 bytes | 114.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/betopinheiro1005/curso-git-github-geofisicando.git
  8423eb7..aa335ff  main -> main
```

The screenshot shows a GitHub repository page for 'curso-git-github-geofisicando'. The main branch 'main' has one commit by user 'betopinheiro1005' titled 'Commit do arquivo 1' made 8 minutes ago. The repository contains files LICENSE, README.md, and arq1.txt. The README.md file content is:

```
curso-git-github-geofisicando
Curso de Git / Github - Geofisicando (Rodolfo Dirack)
```

The right sidebar includes sections for About, Releases, and Packages, each with no content.

The screenshot shows the same GitHub repository page, but the commit history is expanded to show two commits from January 3, 2022. The first commit is 'Commit do arquivo 1' by 'betopinheiro1005' 9 minutes ago, and the second is 'Initial commit' by 'betopinheiro1005' 1 hour ago. The right sidebar remains the same.

Clonagem com SSH

A clonagem para ser feita com SSH necessita que você tenha uma chave pública no seu Github e uma chave na sua máquina.

Aula 15 - Criar arquivos e pastas em repositório diretamente no Github

Criando um arquivo

- Clique no botão "Add File → Create new file"

The screenshot shows the GitHub interface for creating a new file. The URL in the address bar is `github.com/betopinheiro1005/curso-git-github-geofisicando/new/main`. The main content area shows a file named `teste.md` in the `main` branch. The code editor contains the following text:

```
1 #### Título
2
3 Texto do arquivo
4
```

Below the code editor, there are tabs for "Edit new file" and "Preview". The "Preview" tab is selected, showing the rendered content:

Título
Texto do arquivo

At the bottom right of the preview area is a "Cancel changes" button.

- Na aba Preview:

The screenshot shows the GitHub interface with the preview of the newly created file. The URL in the address bar is `github.com/betopinheiro1005/curso-git-github-geofisicando`. The main content area shows the same `teste.md` file in the `main` branch. The preview shows the rendered content:

Título
Texto do arquivo

Below the preview, a "Commit new file" dialog is open. It includes fields for the commit message ("Título do novo commit") and a detailed description ("Este commit adiciona o arquivo de testes."). It also shows the email address "betopinheiro1005@yahoo.com.br" and two radio button options for branching: "Commit directly to the `main` branch." (selected) and "Create a new branch for this commit and start a pull request." At the bottom are "Commit new file" and "Cancel" buttons.



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- Clique no botão "Commit new file"

The screenshot shows a GitHub repository page for 'betopinheiro1005 / curso-git-github-geofisicando'. The repository is public and has 3 commits. The README.md file contains the text 'curso-git-github-geofisicando' and 'Curso de Git / Github - Geofisicando (Rodolfo Dirack)'. The sidebar includes sections for About, Releases, and Packages.

About
Curso de Git / Github - Geofisicando (Rodolfo Dirack)

Releases
No releases published
Create a new release

Packages
No packages published
Publish your first package

The screenshot shows the same GitHub repository page after a new commit was added. The commit history now includes three entries: 'Titulo do novo commit' (committed 2 minutes ago), 'Commit do arquivo 1' (committed 1 hour ago), and 'Initial commit' (committed 2 hours ago). The 'Verified' status is shown for the first commit.

Criando um diretório

Por padrão o Github não permite a criação de um diretório vazio (é necessário ter pelo menos um arquivo dentro)

- Clique no botão "Add File → Create new file"

The screenshot shows the GitHub interface for a repository named 'curso-git-github-geofisicando'. The user is in the 'Code' tab, viewing a file named 'teste2.md' in the 'main' branch. The file contains the text: '1 ##### Arquivo criado dentro da pasta'. Below the code editor, there is a message: 'Attach files by dragging & dropping, selecting or pasting them.' A modal window titled 'Commit new file' is open at the bottom. It contains fields for 'Create teste2.md', an optional extended description, an email address ('betopinheiro1005@yahoo.com.br'), and two commit options: 'Commit directly to the main branch.' (selected) and 'Create a new branch for this commit and start a pull request.' At the bottom of the modal are 'Commit new file' and 'Cancel' buttons.



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- Clique na aba **Preview**:

The screenshot shows a GitHub repository page for 'betopinheiro1005 / curso-git-github-geofisicando'. The 'Preview' tab is highlighted in red at the bottom of the navigation bar. The main content area displays a preview of a file named 'teste2.md' in the 'main' branch. The preview shows the text: 'Arquivo criado dentro da pasta' (File created inside the folder). Below this, a 'Commit new file' dialog box is open, prompting the user to add 'teste2.md' to the 'main' branch. The dialog includes fields for commit message, email association, and branch selection, with the 'Commit directly to the main branch' option selected.

- Clique no botão "**Commit new file**":

The screenshot shows the same GitHub repository page after the 'Commit new file' button was clicked. The commit history now includes a new entry: 'betopinheiro1005 Adiciona teste2.md dentro da pasta ...' (b7e3b33 now). The commit message is 'Adiciona teste2.md dentro da pasta'. The rest of the interface remains the same, with the 'Code' tab selected and the 'main' branch dropdown visible.

The screenshot shows a GitHub repository page for 'curso-git-github-geofisicando'. The repository is public and has 4 commits. The README.md file contains the text 'curso-git-github-geofisicando' and 'Curso de Git / Github - Geofisicando (Rodolfo Dirack)'. The repository has 1 star, 0 forks, and 0 issues.

Commits:

- b7e3b33 1 minute ago Adiciona teste2.md dentro da pasta
- b7e3b33 1 minute ago Adiciona teste2.md dentro da pasta
- b7e3b33 1 minute ago Initial commit
- b7e3b33 1 minute ago Initial commit
- b7e3b33 1 minute ago Commit do arquivo 1
- b7e3b33 14 minutes ago Título do novo commit

README.md:

```
curso-git-github-geofisicando
Curso de Git / Github - Geofisicando (Rodolfo Dirack)
```

About: Curso de Git / Github - Geofisicando (Rodolfo Dirack)

Readme: Readme

License: GPL-3.0 License

Stars: 0 stars

Watching: 1 watching

Forks: 0 forks

Releases: No releases published. Create a new release

Packages: No packages published. Publish your first package

The screenshot shows a GitHub repository page for 'curso-git-github-geofisicando'. The repository is public and has 4 commits. The commits are listed with their authors, times, and commit messages. The repository has 1 star, 0 forks, and 0 issues.

Commits on Jan 3, 2022:

- Adiciona teste2.md dentro da pasta b7e3b33 betopinheiro1005 committed 3 minutes ago
- Título do novo commit b368ca1 betopinheiro1005 committed 15 minutes ago
- Commit do arquivo 1 aa335ff betopinheiro1005 committed 1 hour ago
- Initial commit 8423eb7 betopinheiro1005 committed 2 hours ago

Newer | **Older**

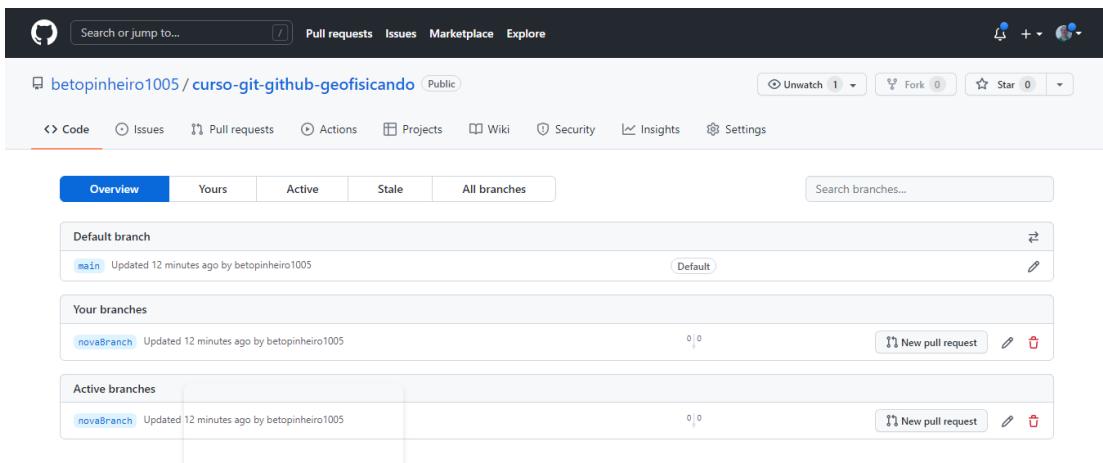
Aula 16 - Criar branches diretamente no Github

Criando uma branch

- Crie uma branch chamada **novaBranch**:

The screenshot shows a GitHub repository page for 'betopinheiro1005 / curso-git'. In the top navigation bar, there is a dropdown menu set to 'main'. A modal window is open, showing a list of branches. The 'novaBranch' branch is selected. On the right side of the screen, the repository details are shown, including the README.md file which contains the text 'curso de Git / Github - Geofisicando (Rodolfo Dirack)'.

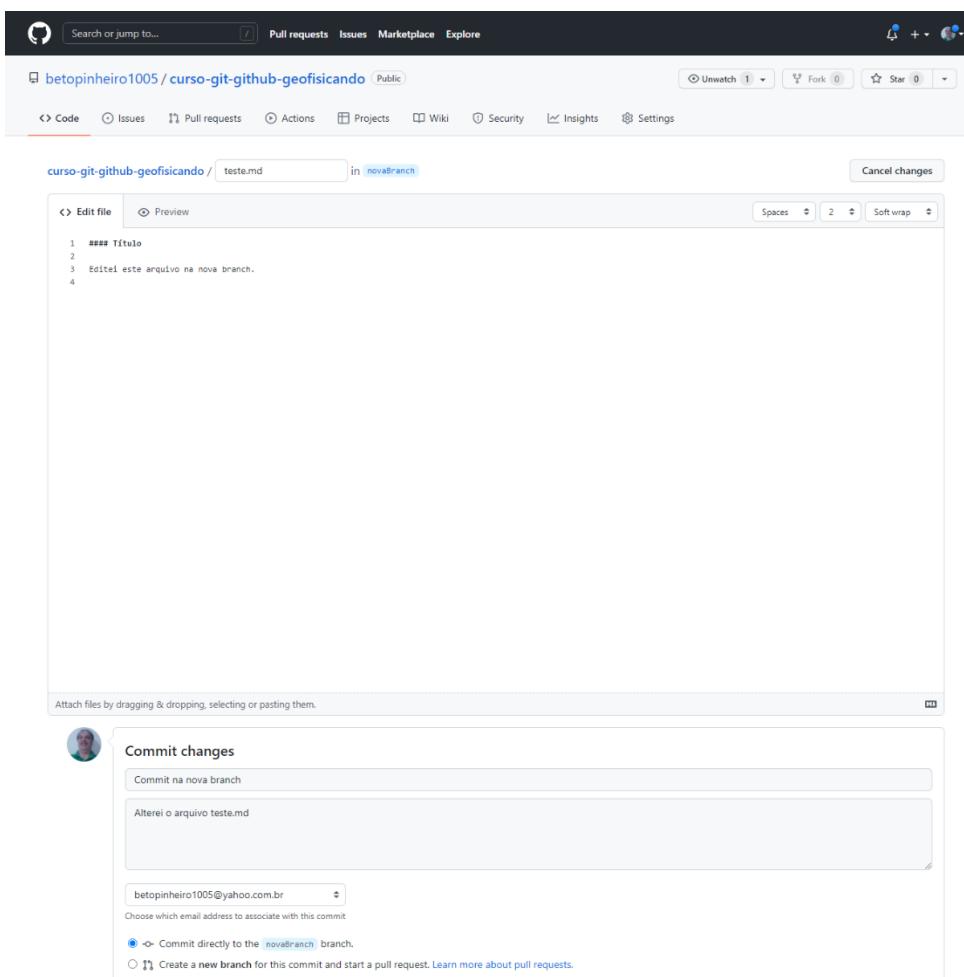
The screenshot shows the same GitHub repository page after the 'novaBranch' has been created. The top navigation bar now shows 'novaBranch' as the active branch. The repository details on the right side remain the same, including the README.md file content.



The screenshot shows the GitHub interface for the repository betopinheiro1005 / curso-git-github-geofisicando. The main navigation bar includes links for Pull requests, Issues, Marketplace, and Explore. On the right, there are buttons for Unwatch, Fork, and Star. Below the navigation, tabs for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings are visible. The 'Code' tab is selected. A sub-navigation bar at the top of the code area has tabs for Overview, Yours, Active, Stale, and All branches, with 'Overview' being the active tab. A search bar for branches is located to the right of these tabs. The main content area is divided into three sections: 'Default branch' containing the 'main' branch, 'Your branches' containing the 'novaBranch' branch, and 'Active branches' which is currently empty. Each branch entry includes a timestamp, the author, and edit, delete, and pull request buttons.

- Na branch **novaBranch**, clique no arquivo **teste.md**:

- Clique na caneta "**Edit file**" e altere o conteúdo do arquivo para "**Editei este arquivo na nova branch**":



The screenshot shows the GitHub file editor for the 'teste.md' file in the 'novaBranch' branch of the repository. The file content is displayed in a code editor window. The content of the file is:

```
1 ##### Título
2
3 Editei este arquivo na nova branch.
4
```

Below the editor, there is a note: "Attach files by dragging & dropping, selecting or pasting them." At the bottom of the editor, there is a "Commit changes" button and a "Cancel" button. The "Commit changes" form contains fields for a commit message ("Commit na nova branch") and a detailed description ("Alterei o arquivo teste.md"). It also includes a dropdown for choosing an email address ("betopinheiro1005@yahoo.com.br") and two radio button options for committing: "Commit directly to the novaBranch branch." (selected) and "Create a new branch for this commit and start a pull request." The "Commit changes" button is highlighted in green.

[betopinheiro1005 / curso-git-github-geofisicando](#) (Public)

[Code](#) [Issues](#) [Pull requests](#) [Actions](#) [Projects](#) [Wiki](#) [Security](#) [Insights](#) [Settings](#)

[novaBranch](#) [curso-git-github-geofisicando / teste.md](#) [Go to file](#) [...](#)

 [betopinheiro1005](#) Commit na nova branch ... Latest commit eb2d8bd now [History](#)

 1 contributor

3 lines (2 sloc) | 50 Bytes [Raw](#) [Blame](#) [Copy](#) [Edit](#) [Delete](#)

Título
Editei este arquivo na nova branch.

 [Search or jump to...](#) [Pull requests](#) [Issues](#) [Marketplace](#) [Explore](#) [Unwatch](#) [Fork](#) [Star](#)

[betopinheiro1005 / curso-git-github-geofisicando](#) (Public)

[Code](#) [Issues](#) [Pull requests](#) [Actions](#) [Projects](#) [Wiki](#) [Security](#) [Insights](#) [Settings](#)

 [Compare & pull request](#)

[main](#) [2 branches](#) [0 tags](#) [Go to file](#) [Add file](#) [Code](#)

 [betopinheiro1005](#) Adiciona teste2.md dentro da pasta ... b7e3b33 25 minutes ago [4 commits](#)

File	Commit Message	Time
pasta	Adiciona teste2.md dentro da pasta	25 minutes ago
LICENSE	Initial commit	2 hours ago
README.md	Initial commit	2 hours ago
arq1.txt	Commit do arquivo 1	2 hours ago
teste.md	Titulo do novo commit	38 minutes ago

README.md [Edit](#)

curso-git-github-geofisicando

Curso de Git / Github - Geofisicando (Rodolfo Dirack)

About
Curso de Git / Github - Geofisicando (Rodolfo Dirack)
[Readme](#) [GPL-3.0 License](#)
 0 stars
 1 watching
 0 forks

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

Packages
No packages published [Publish your first package](#)

Em novaBranch:

The screenshot shows the GitHub repository page for `betopinheiro1005 / curso-git-github-geofisicando`. The repository is public. The `novaBranch` is selected. The main interface shows recent pushes from `novaBranch` (5 minutes ago), a list of files in the `pasta` directory, and the `README.md` file content.

Recent Pushes:

- `pasta`: Adiciona teste2.md dentro da pasta (28 minutes ago)
- `LICENSE`: Initial commit (2 hours ago)
- `README.md`: Initial commit (2 hours ago)
- `arq1.txt`: Commit do arquivo 1 (2 hours ago)
- `teste.md`: Commit na nova branch (5 minutes ago)

README.md Content:

```
curso-git-github-geofisicando
Curso de Git / Github - Geofisicando (Rodolfo Dirack)
```

About: Curso de Git / Github - Geofisicando (Rodolfo Dirack)

Code: Compare & pull request, Go to file, Add file, Code

Contributors: novaBranch (1 commit), 2 branches, 0 tags

Branch Status: This branch is 1 commit ahead of main.

Contribute: Contribute, Compare & pull request

Releases: No releases published, Create a new release

Packages: No packages published, Publish your first package

The screenshot shows the `teste.md` file content in the `novaBranch` branch. The file contains the text "Editei este arquivo na nova branch."

File Details:

- 3 lines (2 sloc) | 50 Bytes
- Go to file, ...

Content:

```
Título
Editei este arquivo na nova branch.
```

- Na branch **Master** (main)

The screenshot shows a GitHub repository page for 'betopinheiro1005 / curso-git-github-geofisicando'. The 'Code' tab is selected, showing the 'main' branch. The file 'teste.md' is open, displaying the following content:

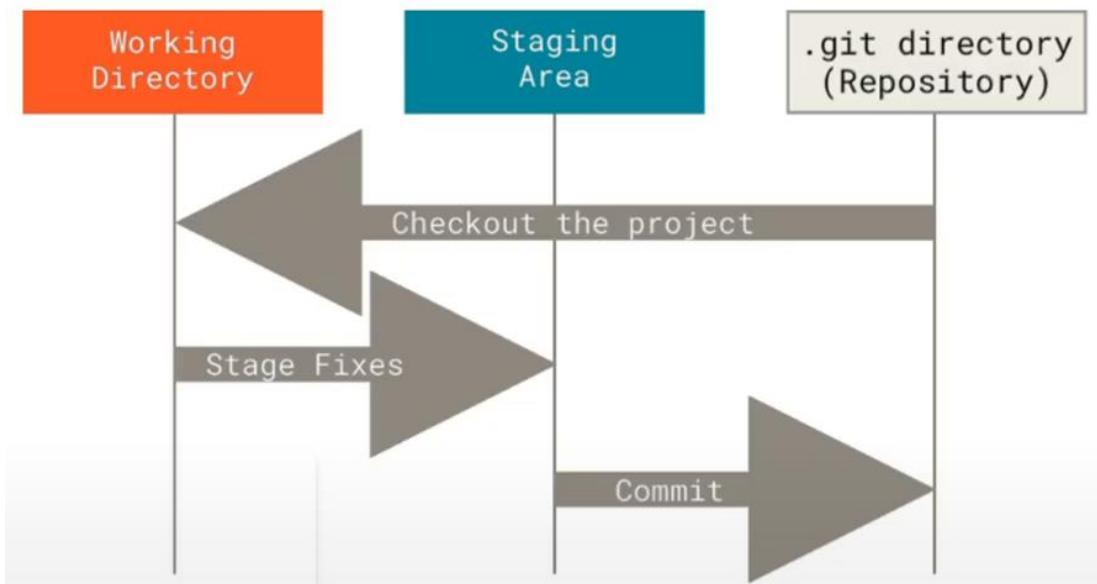
```
Título
Texto do arquivo
```

At the top right, there are buttons for 'Unwatch', 'Fork', 'Star', and 'Settings'. Below the file content, there are links for 'Go to file' and '...'. At the bottom, there are buttons for 'Raw', 'Blame', and other file operations.

- Não possui as alterações feitas em **novaBranch**.

- Dessa forma é possível criar branches para várias versões de um mesmo projeto.

Aula 17 - Os três estágios do git: working tree, staging area e HEAD



Working Directory: sem nenhum commit feito.

Staging Area: é uma área intermediária onde ficam as modificações feitas no arquivo ao se executar o comando `git add`.

.git directory: é onde ficam armazenadas as modificações feitas após se realizar os commits.

A pasta `.git` é criada ao se realizar o comando `git init` ou ao se clonar um repositório no Github.

- Na branch master (main):

`git status`

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
```

- Vá para a pasta `git_github_geofisicando`.

`ls`

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ ls
arquivoNovo.txt  branch.txt  teste.txt  teste2.txt
```

`git log`

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git log
commit dc9b7006f2f48b4cb1c8fc7be976be5ac44b2f5 (HEAD -> master)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sun Jan 2 12:30:29 2022 -0300

    Co-autoria de Geofisicando Co-authored-by: geofisicando <geofisicando.rn@gmail.com>

commit 0f8abbd9eb192057157cb92b56cab7aba5c41a
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sun Jan 2 12:04:05 2022 -0300

    Commit da aula de amend no edit

commit d87a6930fb04d286c306a58dc223fe48c713c128
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sun Jan 2 07:41:22 2022 -0300

    Arquivo de teste alterado com amend outra vez.

commit 39183ac9b89a912e5b4a36e7497356bdca937ea2
Merge: 07c075b 98e41ab
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 19:24:50 2022 -0300

    Merge branch 'aulaBranch'

commit 07c075b78ddda1995c05bffe22ad5a89400c0bba
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 19:19:43 2022 -0300

    Adicionada segunda linha de texto no arquivo teste2.txt

commit 98e41ab220388a2e4a1e5ea158f439ac62e754c1 (aulaBranch)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 18:55:19 2022 -0300

    Aula de branch

commit 1c4a3ccc05243f70efa9a6ad9059dadd92430111
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 15:43:02 2022 -0300

    Adicionado arquivo teste2.txt com primeira linha de texto

commit a618d42de3c2cbef179e9de9580b0b01695465f5
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Sat Jan 1 15:14:09 2022 -0300

    Inserida terceira linha de texto
..
```

Working Directory

- Crie um novo arquivo vazio:

```
touch aulaSobreGit.txt
```

```
git status
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ touch aulaSobreGit.txt

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    aulaSobreGit.txt

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

- Este arquivo está no **Working Directory**, ou seja: diretório de trabalho.

- O arquivo está presente no computador, porém não está trackeado (o git não está monitorando este arquivo).

```
ls
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ ls
arquivoNovo.txt  aulaSobreGit.txt  branch.txt  teste.txt  teste2.txt
```

Staging Area

```
git add aulaSobreGit.txt
```

```
git status
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git add aulaSobreGit.txt

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   aulaSobreGit.txt
```

- Agora o arquivo está no **Staging Area** aguardando para ser commitado.

Registrando a mudança no repositório git

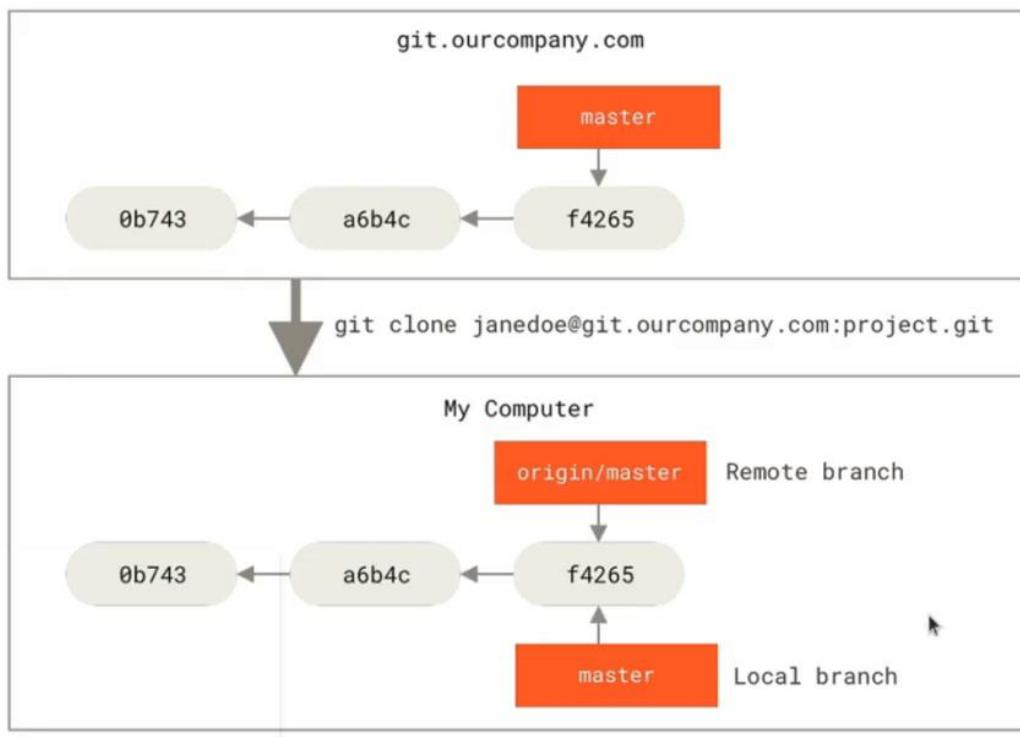
git commit -m "Aula sobre git"

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git commit -m "Aula sobre git"
[master dfad6e6] Aula sobre git
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 aulaSobreGit.txt
```

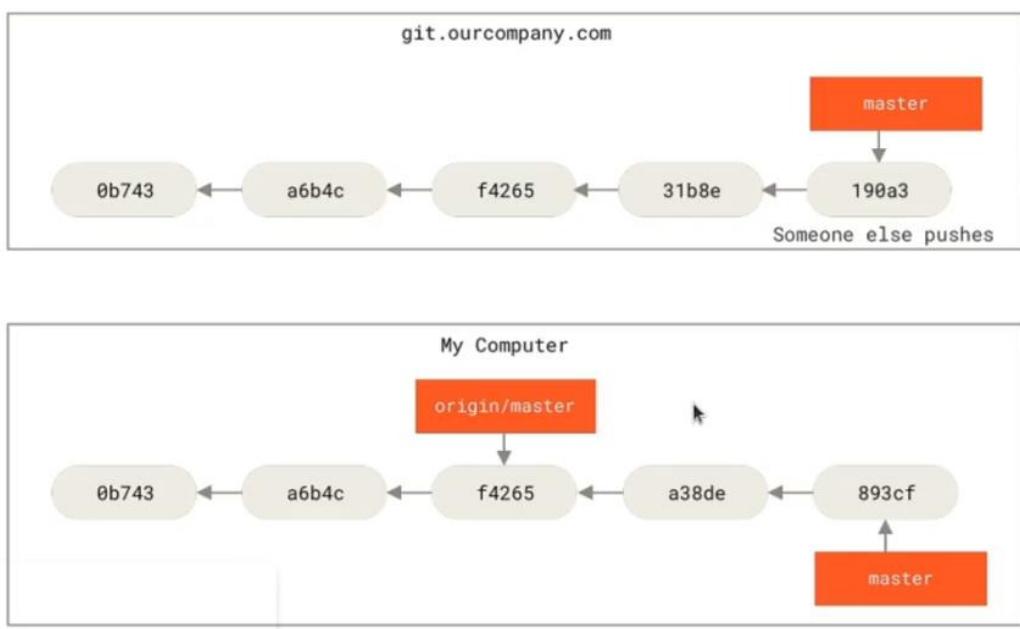
git status

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/git_github_geofisicando (master)
$ git status
On branch master
nothing to commit, working tree clean
```

Aula 18 - O que são as branches do git e o que é originmaster



- origin/Master se refere ao **repositório remoto** no Github.
- Master se refere ao repositório em nossa máquina.



- Vá para a pasta curso-git-github-geofisicando.

- Crie o arquivo aulaSobreGit.txt:

```
touch aulaSobreGit.txt
```

- Adicione uma linha no arquivo "aulaSobreGit.txt"

```
echo "adicionado uma linha no arquivo" >> aulaSobreGit.txt
```

```
cat aulaSobreGit.txt
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ touch aulaSobreGit.txt

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ echo "adicionado uma linha no arquivo" >> aulaSobreGit.txt

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ cat aulaSobreGit.txt
adicionado uma linha no arquivo
```

```
git status
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

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

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

```
git add aulaSobreGit.txt
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git add aulaSobreGit.txt
warning: LF will be replaced by CRLF in aulaSobreGit.txt.
The file will have its original line endings in your working directory
```

```
git commit -m "Adicionada a primeira linha no arquivo aulaSobreGit.txt"
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git commit -m "Adicionada a primeira linha no arquivo aulaSobreGit.txt"
[main 254d1c2] Adicionada a primeira linha no arquivo aulaSobreGit.txt
 1 file changed, 1 insertion(+)
  create mode 100644 aulaSobreGit.txt
```

git status

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
```

git remote

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git remote
origin
```

- **git remote** exibe os repositórios que estão monitorando, ou onde você pode mandar as alterações a partir do repositório local.

git remote -v

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git remote -v
origin  https://github.com/betopinheiro1005/curso-git-github-geofisicando.git (fetch)
origin  https://github.com/betopinheiro1005/curso-git-github-geofisicando.git (push)
```

- **origin** é um **alias** (apelido) ou seja: uma forma de se fazer referência ao link copiado ao se fazer o **git clone**.

- Para ver as branches locais:

git branch

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git branch
* main
```

git branch -v

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git branch -v
* main 254d1c2 [ahead 1] Adicionada a primeira linha no arquivo aulaSobreGit.txt
```

git branch -vv

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git branch -vv
* main 254d1c2 [origin/main: ahead 1] Adicionada a primeira linha no arquivo aulaSobreGit.txt
```

Aula 19 - Como utilizar as tags de commits no git (Parte 1)

```
touch arq2.txt
```

```
echo "Arquivo 2 da aula sobre git tag" >> arq2.txt
```

```
cat arq2.txt
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ touch arq2.txt

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ echo "Arquivo 2 da aula sobre git tag" >> arq2.txt

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ cat arq2.txt
Arquivo 2 da aula sobre git tag
```

```
git add "arq2.txt"
```

```
git commit -m "Commit do arquivo 2 da aula sobre git tag"
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git add "arq2.txt"
warning: LF will be replaced by CRLF in arq2.txt.
The file will have its original line endings in your working directory

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git commit -m "Commit do arquivo 2 da aula sobre git tag"
[main 4b8aa4b] Commit do arquivo 2 da aula sobre git tag
 1 file changed, 1 insertion(+)
   create mode 100644 arq2.txt
```

```
git log
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git log
commit 4b8aa4b457c47a07cebb6330ce3ebdb13b3d220 (HEAD -> main)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date: Mon Jan 3 13:28:18 2022 -0300

    Commit do arquivo 2 da aula sobre git tag

commit 254d1c237e64341226cb3d16dc492d43179ca34e
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date: Mon Jan 3 12:19:10 2022 -0300

    Adicionada a primeira linha no arquivo aulaSobreGit.txt

commit aa335ffa32c841f0a0518b805d58a24bdc1d2b8c (origin/main, origin/HEAD)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date: Mon Jan 3 09:07:25 2022 -0300

    Commit do arquivo 1

commit 8423eb76c0bee0b7695d10183e74577e0b817c44
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date: Mon Jan 3 08:21:40 2022 -0300

    Initial commit
```

- As tags servem para organizar o histórico de commits.
- Usando tags pode-se fazer referência a um commit através de tags ao invés dos hashes.

Criando uma tag

```
git tag -a v1.0 -m "Primeira versão"
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git tag -a v1.0 -m "Primeira versão"
```

Exibindo as tags

```
git tag
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git tag
v1.0
```

```
git log
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git log
commit 4b8aa4b457c47a07cebbc6330ce3ebdb13b3d220 (HEAD -> main, tag: v1.0)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Mon Jan 3 13:28:18 2022 -0300

    Commit do arquivo 2 da aula sobre git tag

commit 254d1c237e64341226cb3d16dc492d43179ca34e
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Mon Jan 3 12:19:10 2022 -0300

    Adicionada a primeira linha no arquivo aulaSobreGit.txt

commit aa335ffa32c841f0a0518b805d58a24bdc1d2b8c (origin/main, origin/HEAD)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Mon Jan 3 09:07:25 2022 -0300

    Commit do arquivo 1

commit 8423eb76c0bee0b7695d10183e74577e0b817c44
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Mon Jan 3 08:21:40 2022 -0300

    Initial commit
```

- Observe que a tag criada está associada ao último commit realizado.

```
touch arq3.txt  
echo "Nova versão do programa" >> arq3.txt  
cat arq3.txt
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)  
$ touch arq3.txt  
  
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)  
$ echo "Nova versão do programa" >> arq3.txt  
  
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)  
$ cat arq3.txt  
Nova versão do programa
```

```
git add "arq3.txt"  
git commit -m "Nova versão"
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)  
$ git add "arq3.txt"  
warning: LF will be replaced by CRLF in arq3.txt.  
The file will have its original line endings in your working directory  
  
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)  
$ git commit -m "Nova versão"  
[main 1c89ab8] Nova versão  
 1 file changed, 1 insertion(+)  
  create mode 100644 arq3.txt
```

```
git tag -a v2.0
```

```
#  
# Write a message for tag:  
#   v2.0  
# Lines starting with '#' will be ignored.  
~  
~  
~  
~  
~
```

- Pressione a tecla <Insert> e digite:

```
Versão 2.0 do programa  
#  
# Write a message for tag:  
#   v2.0  
# Lines starting with '#' will be ignored.  
~  
~  
~
```

```
<Esc> :wq
```

git tag

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git tag
v1.0
v2.0
```

git log

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git log
commit 1c89ab849f58473a9bc61a3d0457e51b7711b997 (HEAD -> main, tag: v2.0)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Mon Jan 3 13:42:43 2022 -0300

    Nova versão

commit 4b8aa4b457c47a07cebbcc6330ce3ebdb13b3d220 (tag: v1.0)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Mon Jan 3 13:28:18 2022 -0300

    Commit do arquivo 2 da aula sobre git tag

commit 254d1c237e64341226cb3d16dc492d43179ca34e
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Mon Jan 3 12:19:10 2022 -0300

    Adicionada a primeira linha no arquivo aulaSobreGit.txt

commit aa335ffa32c841f0a0518b805d58a24bdc1d2b8c (origin/main, origin/HEAD)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Mon Jan 3 09:07:25 2022 -0300

    Commit do arquivo 1

commit 8423eb76c0bee0b7695d10183e74577e0b817c44
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Mon Jan 3 08:21:40 2022 -0300

    Initial commit
```

Selecionando commits específicos sem usar hashes

git checkout v1.0

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git checkout v1.0
Note: switching to 'v1.0'.

You are in 'detached HEAD' state. You can look around, make experimental
changes and commit them, and you can discard any commits you make in this
state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may
do so (now or later) by using -c with the switch command. Example:

  git switch -c <new-branch-name>

Or undo this operation with:

  git switch -

Turn off this advice by setting config variable advice.detachedHead to false
HEAD is now at 4b8aa4b Commit do arquivo 2 da aula sobre git tag
```

ls

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando ((v1.0))
$ ls
LICENSE README.md arq1.txt arq2.txt aulaSobreGit.txt
```

git checkout v2.0

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando ((v1.0))
$ git checkout v2.0
Previous HEAD position was 4b8aa4b Commit do arquivo 2 da aula sobre git tag
HEAD is now at 1c89ab8 Nova versão
```

ls

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando ((v2.0))
$ ls
LICENSE README.md arq1.txt arq2.txt arq3.txt aulaSobreGit.txt
```

Aula 20 - Como utilizar as tags de commits no git (Parte 2)

git show --tags

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando ((v2.0))
$ git show --tags
tag v1.0
Tagger: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date: Mon Jan 3 13:31:24 2022 -0300

Primeira versão

commit 4b8aa4b457c47a07cebbc6330ce3ebdb13b3d220 (tag: v1.0)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date: Mon Jan 3 13:28:18 2022 -0300

    Commit do arquivo 2 da aula sobre git tag

diff --git a/arq2.txt b/arq2.txt
new file mode 100644
index 0000000..23a6c5d
--- /dev/null
+++ b/arq2.txt
@@ -0,0 +1 @@
+Arquivo 2 da aula sobre git tag

tag v2.0
Tagger: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date: Mon Jan 3 13:44:56 2022 -0300

Versão 2.0 do programa

commit 1c89ab849f58473a9bc61a3d0457e51b7711b997 (HEAD, tag: v2.0, main)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date: Mon Jan 3 13:42:43 2022 -0300

    Nova versão

diff --git a/arq3.txt b/arq3.txt
new file mode 100644
index 0000000..8d4c458
--- /dev/null
+++ b/arq3.txt
@@ -0,0 +1 @@
+Nova versão do programa
```

git tag -n

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando ((v2.0))
$ git tag -n
v1.0          Primeira versão
v2.0          Versão 2.0 do programa
```

Criando uma nova tag

```
git tag -a v3.0
```

```
#  
# Write a message for tag:  
#   v3.0  
# Lines starting with '#' will be ignored.  
~  
~  
~
```

```
<Esc> :wq
```

```
git tag
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando ((v3.0))  
$ git tag  
v1.0  
v2.0  
v3.0
```

```
git tag -n
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando ((v3.0))  
$ git tag -n  
  
v1.0          Primeira versão  
v2.0          Versão 2.0 do programa  
v3.0          Título da tag 3.0
```

```
git tag -n3
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando ((v3.0))  
$ git tag -n3  
  
v1.0          Primeira versão  
v2.0          Versão 2.0 do programa  
v3.0          Título da tag 3.0  
  
Mensagem mais elaborada da tag 3.0
```

Deletando uma tag

```
git tag -d v3.0
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando ((v3.0))
$ git tag -d v3.0
Deleted tag 'v3.0' (was 68ff249)
```

```
git tag
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando ((v2.0))
$ git tag
v1.0
v2.0
```

Aulas 21 e 22 - Como baixar as suas modificações do repositório no github e como enviar as modificações do repositório local para o github

`git pull` é o comando usado para enviar as modificações do repositório remoto para o repositório local no computador

`git push` é o comando usado para enviar as modificações do repositório local para o repositório remoto no Github.

Atenção: O branch `master` no Github agora se chama `main`.

`git checkout main`

`git log`

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git log
commit 1c89ab849f58473a9bc61a3d0457e51b7711b997 (HEAD -> main, tag: v2.0)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Mon Jan 3 13:42:43 2022 -0300

    Nova versão

commit 4b8aa4b457c47a07cebbcc6330ce3ebdb13b3d220 (tag: v1.0)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Mon Jan 3 13:28:18 2022 -0300

    Commit do arquivo 2 da aula sobre git tag

commit 254d1c237e64341226cb3d16dc492d43179ca34e
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Mon Jan 3 12:19:10 2022 -0300

    Adicionada a primeira linha no arquivo aulaSobreGit.txt

commit aa335ffa32c841f0a0518b805d58a24bdc1d2b8c (origin/main, origin/HEAD)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Mon Jan 3 09:07:25 2022 -0300

    Commit do arquivo 1

commit 8423eb76c0bee0b7695d10183e74577e0b817c44
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Mon Jan 3 08:21:40 2022 -0300

    Initial commit
```

Enviando as modificações feitas no repositório remoto para o repositório local

git pull é a combinação de dois comandos:

- git fetch: para trazer as alterações feitas no Github
- git merge: para incorporar as modificações de uma branch em outra branch

git pull origin main

ou:

git pull

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git pull
remote: Enumerating objects: 11, done.
remote: Counting objects: 100% (11/11), done.
remote: Compressing objects: 100% (7/7), done.
remote: Total 10 (delta 2), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (10/10), 2.16 KiB | 2.00 KiB/s, done.
From https://github.com/betopinheiro1005/curso-git-github-geofisicando
  aa335ff..b7e3b33  main      -> origin/main
 * [new branch]    novaBranch -> origin/novaBranch
Merge made by the 'recursive' strategy.
 pasta/teste2.md | 1 +
 teste.md        | 3 +++
 2 files changed, 4 insertions(+)
 create mode 100644 pasta/teste2.md
 create mode 100644 teste.md
```

ls

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ ls
LICENSE  README.md  arq1.txt  arq2.txt  arq3.txt  aulaSobreGit.txt  pasta/  teste.md
```

git log

```
$ git log
commit 43225aaca0edde741338dc9cb38e3893ae27980e (HEAD -> main, origin/main, origin/HEAD)
Merge: 1c89ab8 b7e3b33
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Mon Jan 3 16:53:24 2022 -0300

  Merge branch 'main' of https://github.com/betopinheiro1005/curso-git-github-geofisicando
```

Enviando as modificações feitas no repositório local para o repositório remoto

git push origin main

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git push origin main
Enumerating objects: 13, done.
Counting objects: 100% (13/13), done.
Delta compression using up to 2 threads
Compressing objects: 100% (8/8), done.
Writing objects: 100% (11/11), 1.22 KiB | 96.00 KiB/s, done.
Total 11 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), done.
To https://github.com/betopinheiro1005/curso-git-github-geofisicando.git
  b7e3b33..43225aa main -> main
```

The screenshot shows a GitHub repository page for 'betopinheiro1005 / curso-git-github-geofisicando'. The repository is public and has 8 commits. The commit history includes:

- Merge branch 'main' of https://github.com/betopinheiro1005/curso-git-github-geofisicando into main (7 minutes ago)
- Adiciona teste2.md dentro da pasta (7 hours ago)
- Initial commit (9 hours ago)
- Initial commit (9 hours ago)
- Commit do arquivo 1 (8 hours ago)
- Commit do arquivo 2 da aula sobre git tag (4 hours ago)
- Nova versão (3 hours ago)
- Adicionada a primeira linha no arquivo aulaSobreGit.txt (5 hours ago)
- Título do novo commit (7 hours ago)

The README.md file contains the following content:

```
curso-git-github-geofisicando
Curso de Git / Github - Geofisicando (Rodolfo Dirack)
```

Aulas 23 - Baixar alterações do remoto sem incorporar ao branch atual

O comando `git fetch` baixa as alterações do repositório remoto (no Github) para o repositório local (em seu computador) sem que essas alterações sejam incorporadas na versão local do repositório.

`git branch`

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git branch
* main
```

Fazendo uma alteração no repositório remoto (Github)

No Github adicione um arquivo chamado `arquivofetch.txt`:

The screenshot shows a GitHub repository page for 'curso-git-github-geofisicando'. A new file named 'arquivofetch.txt' has been added to the 'main' branch. The commit message is 'aula de git fetch.' and the email address is set to 'betopinheiro1005@yahoo.com.br'. The 'Commit directly to the main branch' option is selected.

Commit new file

aula de git fetch

Add an optional extended description...

Choose which email address to associate with this commit

Commit directly to the main branch.

Create a new branch for this commit and start a pull request. [Learn more about pull requests.](#)

Commit new file Cancel

The screenshot shows a GitHub repository page. At the top, there's a search bar and navigation links for Pull requests, Issues, Marketplace, and Explore. Below the header, the repository name 'betopinheiro1005 / curso-git-github-geofisicando' is shown, along with a 'Public' badge. To the right are buttons for Unwatch (1), Fork (0), and Star (0). The main content area shows a list of files and commits. On the left, a sidebar lists 'Code' (main branch, 2 branches, 0 tags), 'Issues', 'Pull requests', 'Actions', 'Projects', 'Wiki', 'Security', 'Insights', and 'Settings'. On the right, sections include 'About' (repository details like 'Curso de Git / Github - Geofisicando (Rodolfo Dirack)'), 'Readme', 'GPL-3.0 License', '0 stars', '1 watching', '0 forks', 'Releases' (no releases published), and 'Packages' (no packages published). A 'README.md' file is visible in the center.

git fetch origin main

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (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), 678 bytes | 2.00 KiB/s, done.
From https://github.com/betopinheiro1005/curso-git-github-geofisicando
 * branch            main      -> FETCH_HEAD
 43225aa..68984e6  main      -> origin/main
```

ls

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ ls
LICENSE README.md  arq1.txt  arq2.txt  arq3.txt  aulaSobreGit.txt  pasta/  teste.md
```

- Perceba que não aparece **arquivofetch.txt**

```
git diff main origin/main
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git diff main origin/main
diff --git a/arquivofetch.txt b/arquivofetch.txt
new file mode 100644
index 0000000..8bc561e
--- /dev/null
+++ b/arquivofetch.txt
@@ -0,0 +1 @@
+Aula de git fetch.
```

Incorporando a modificação

```
git merge origin/main
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git merge origin/main
Updating 43225aa..68984e6
Fast-forward
 arquivofetch.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 arquivofetch.txt
```

```
ls
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ ls
LICENSE README.md arq1.txt arq2.txt arq3.txt arquivofetch.txt aulaSobreGit.txt pasta/ teste.md
```

```
git log
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git log
commit 68984e6fd3114d4c44480849097c3d96e862f9c3 (HEAD -> main, origin/main, origin/HEAD)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Mon Jan 3 21:38:50 2022 -0300

    aula de git fetch
```

No Github altere **arquivofetch.txt** inserindo mais uma linha de texto;

The screenshot shows a GitHub repository page for 'curso-git-github-geofisicando'. The 'Code' tab is selected, showing the file 'arquivofetch.txt' with the following content:

```
1 Aula de git fetch.  
2 Aula de git pull  
3
```

Below the code editor, a 'Commit changes' dialog is open. The commit message field contains 'git pull' and the note 'Inserida mais uma linha de texto no arquivo.' The email field is set to 'betopinheiro1005@yahoo.com.br'. The 'Commit directly to the main branch' radio button is selected. At the bottom, there are 'Commit changes' and 'Cancel' buttons.



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git pull

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git pull
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), 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), 689 bytes | 2.00 KiB/s, done.
From https://github.com/betopinheiro1005/curso-git-github-geofisicando
  68984e6..b57f67f main      -> origin/main
Updating 68984e6..b57f67f
Fast-forward
  arquivofetch.txt | 1 +
  1 file changed, 1 insertion(+)
```

git log

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git log
commit b57f67fd0dfbde15f18a546979017394b81b5bf8 (HEAD -> main, origin/main, origin/HEAD)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Mon Jan 3 21:56:55 2022 -0300

    git pull

    Inserido mais uma linha de texto no arquivo.

commit 68984e6fd3114d4c44480849097c3d96e862f9c3
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Mon Jan 3 21:38:50 2022 -0300

    aula de git fetch
```

Aula 24 - Como criar commits padronizados com commit template

vi qualquer.txt

```
Alteração:  
~  
~  
~  
~  
~  
~
```

<Esc> :wq

git add qualquer.txt

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)  
$ git add qualquer.txt  
warning: LF will be replaced by CRLF in qualquer.txt.  
The file will have its original line endings in your working directory
```

Criando uma mensagem padronizada de commit

- Crie um arquivo chamado: **.gitmessage**

vi .gitmessage

```
# Título deve ser curto e com uma mensagem clara  
# Título -----|  
  
Alteração feita:  
  
Autor:  
...  
# Esta é uma mensagem padronizada  
~  
~  
~
```

<Esc> :wq

git config commit.template .gitmessage

git config --list

```
betol@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git config --list
diff.astextplain.textconv=astextplain
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
http.sslbackend=openssl
http.sslcainfo=C:/Program Files/Git/mingw64/ssl/certs/ca-bundle.crt
core.autocrlf=true
core.fscache=true
core.symlinks=false
pull.rebase=false
credential.helper=manager-core
credential.https://dev.azure.com.usehttppath=true
init.defaultbranch=master
user.name=Roberto Pinheiro
user.email=betopinheiro1005@yahoo.com.br
core.repositoryformatversion=0
core.filemode=false
core.bare=false
core.logallrefupdates=true
core.symlinks=false
core.ignorecase=true
remote.origin.url=https://github.com/betopinheiro1005/curso-git-github-geofisicando.git
remote.origin.fetch=refs/heads/*:refs/remotes/origin/*
branch.main.remote=origin
branch.main.merge=refs/heads/main
commit.template=.gitmessage
```

git commit

```
# Título deve ser curto e com uma mensagem clara

# Título -----|
```

Alteração feita:

Autor:

```
# Esta é uma mensagem padronizada

# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# On branch main
# Your branch is up to date with 'origin/main'.
#
# Changes to be committed:
#   new file:   qualquer.txt
#
# Untracked files:
#   .gitmessage
#
```

```
# Título deve ser curto e com uma mensagem clara
Título mensagem padronizada

# Título -----|
```

Alteração feita: Adicionei arquivo qualquer.txt

Autor: Roberto Pinheiro

```
# Esta é uma mensagem padronizada

# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# On branch main
# Your branch is up to date with 'origin/main'.
#
# Changes to be committed:
#   new file:   qualquer.txt
#
# Untracked files:
#   .gitmessage
#
~
```

<Esc> :wq

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git commit
[main d74c369] Título mensagem padronizada
 1 file changed, 1 insertion(+)
 create mode 100644 qualquer.txt
```

git log

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git log
commit d74c36907d368b55359a6b9d48b33a5699a1426a (HEAD -> main)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Tue Jan 4 02:58:59 2022 -0300

    Título mensagem padronizada

    Alteração feita: Adicionei arquivo qualquer.txt

    Autor: Roberto Pinheiro
```

Removendo o template

```
git config --unset commit.template
```

```
git config --list
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git config --unset commit.template

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git config --list
diff.astextplain.textconv=astextplain
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
http.sslbackend=openssl
http.sslcainfo=C:/Program Files/Git/mingw64/ssl/certs/ca-bundle.crt
core.autocrlf=true
core.fscache=true
core.symlinks=false
pull.rebase=false
credential.helper=manager-core
credential.https://dev.azure.com.usehttppath=true
init.defaultbranch=master
user.name=Roberto Pinheiro
user.email=betopinheiro1005@yahoo.com.br
core.repositoryformatversion=0
core.filemode=false
core.bare=false
core.logallrefupdates=true
core.symlinks=false
core.ignorecase=true
remote.origin.url=https://github.com/betopinheiro1005/curso-git-github-geofisicando.git
remote.origin.fetch=+refs/heads/*:refs/remotes/origin/*
branch.main.remote=origin
branch.main.merge=refs/heads/main
```

Aula 25 - github issues para gerenciar seus projetos no github

- Issue é uma forma de organizar problemas, bugs, novas funcionalidades

- No Github clique em "**Issues**"

The screenshot shows a GitHub repository page for 'betopinheiro1005 / curso-git-github-geofisicando'. The 'Issues' tab is selected. A prominent message box at the top right says 'Label issues and pull requests for new contributors' with a 'Dismiss' button. Below it, a search bar contains 'is:issue is:open'. To the right are buttons for 'Labels 9', 'Milestones 0', and a green 'New issue' button. The main area displays a single issue card with a large '+' icon.

- Clique no botão "New Issue"

Nossa primeira issue

Write Preview

Título da issue

- Implementar funcionalidade 1:
- Requisito 1
- Requisito 2
- Requisito 3

Styling with Markdown is supported

Submit new issue

- Clique no botão "Submit new Issue"

The screenshot shows a GitHub repository page for 'betopinheiro1005 / curso-git-github-geofisicando'. The 'Issues' tab is selected, showing one open issue titled 'Nossa primeira issue #1'. The issue details page includes the title, a list of requirements, and a comment from the user who created it. Below the issue details, there is a comment input field and a sidebar with various repository settings like assignees, labels, and notifications.

The screenshot shows a GitHub repository page for 'curso-git-github-geofisicando'. The main navigation bar includes 'Pull requests', 'Issues', 'Marketplace', and 'Explore'. Below the repository name, there are buttons for 'Unwatch', 'Fork', 'Star', and settings. The 'Issues' tab is selected, showing one open issue. The issue title is 'Nossa primeira issue #1'. A comment from the user 'betopinheiro1005' is visible, containing a bulleted list: 'Implementar funcionalidade 1:', followed by three sub-points: 'Requisito 1', 'Requisito 2', and 'Requisito 3'. The right side of the screen displays various issue management fields: 'Assignees' (None), 'Labels' (None yet), 'Projects' (None yet), 'Milestone' (None), 'Linked pull requests' (None yet), 'Notifications' (Customize, Unsubscribe), and 'Participants' (1 participant). The bottom of the page includes standard GitHub footer links: Terms, Privacy, Security, Status, Docs, Contact GitHub, Pricing, API, Training, Blog, and About.

- Preencha:

Assignees
Labels

- Clique no botão "Comment"

The screenshot shows a GitHub repository page for 'curso-git-github-geofisicando'. The main navigation bar includes 'Pull requests', 'Issues' (selected), 'Marketplace', and 'Explore'. Below the navigation is a search bar and a user profile icon. The repository name is 'betopinheiro1005 / curso-git-github-geofisicando' (Public). To the right are 'Unwatch' (1), 'Fork' (0), and 'Star' (0) buttons.

The title of the issue is 'Nossa primeira issue #1'. A green 'Open' button indicates the issue is active. Below it, a message from 'betopinheiro1005' says: 'Implementar funcionalidade 1: Requisito 1, Requisito 2, Requisito 3'.

Following this, another comment from 'betopinheiro1005' says: 'Você implementar essa issue @betopinheiro1005'. This comment was self-assigned by 'betopinheiro1005' and added the 'enhancement' label.

The bottom of the issue page features a rich text editor for leaving a comment, with options for 'Write' and 'Preview'. Buttons include 'Close Issue' and 'Comment'.

On the right side of the issue page, there are sections for 'Assignees' (betopinheiro1005), 'Labels' (enhancement), 'Projects' (None yet), 'Milestone' (None yet), 'Linked pull requests' (None yet), 'Notifications' (Customize, Unsubscribe), and 'Participants' (1 participant).

- Volte para "Code"

- No repositório local:

`git pull`

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git pull
Already up to date.
```

Implementando a nova funcionalidade

vi aulaSobreGit.txt

```
adicionado uma linha no arquivo
Implementação da funcionalidade 1
~
~
~
```

<Esc> :wq

git add aulaSobreGit.txt

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git add aulaSobreGit.txt
warning: LF will be replaced by CRLF in aulaSobreGit.txt.
The file will have its original line endings in your working directory
```

git commit

```
Essa é a implementação da funcionalidade #1
Implementei
.
.
.
# Please enter the commit message for your changes. Lines starting
# with '#' will be ignored, and an empty message aborts the commit.
#
# On branch main
# Your branch is ahead of 'origin/main' by 1 commit.
#   (use "git push" to publish your local commits)
#
# Changes to be committed:
#       modified:   aulaSobreGit.txt
#
# Untracked files:
#       .gitmessage
#
~
```

<Esc> :wq

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git commit
[main 30a2fb3] Essa é a implementação da funcionalidade #1
 1 file changed, 2 insertions(+)
```

```
git log
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git log
commit 30a2fb308b1ce375da6f38441d56c7169ee04baf (HEAD -> main)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date:   Tue Jan 4 04:18:43 2022 -0300

    Essa é a implementação da funcionalidade #1

    Implementei
```

```
git push
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git push
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 2 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 744 bytes | 82.00 KiB/s, done.
Total 6 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
To https://github.com/betopinheiro1005/curso-git-github-geofisicando.git
 b57f67f..30a2fb3  main -> main
```

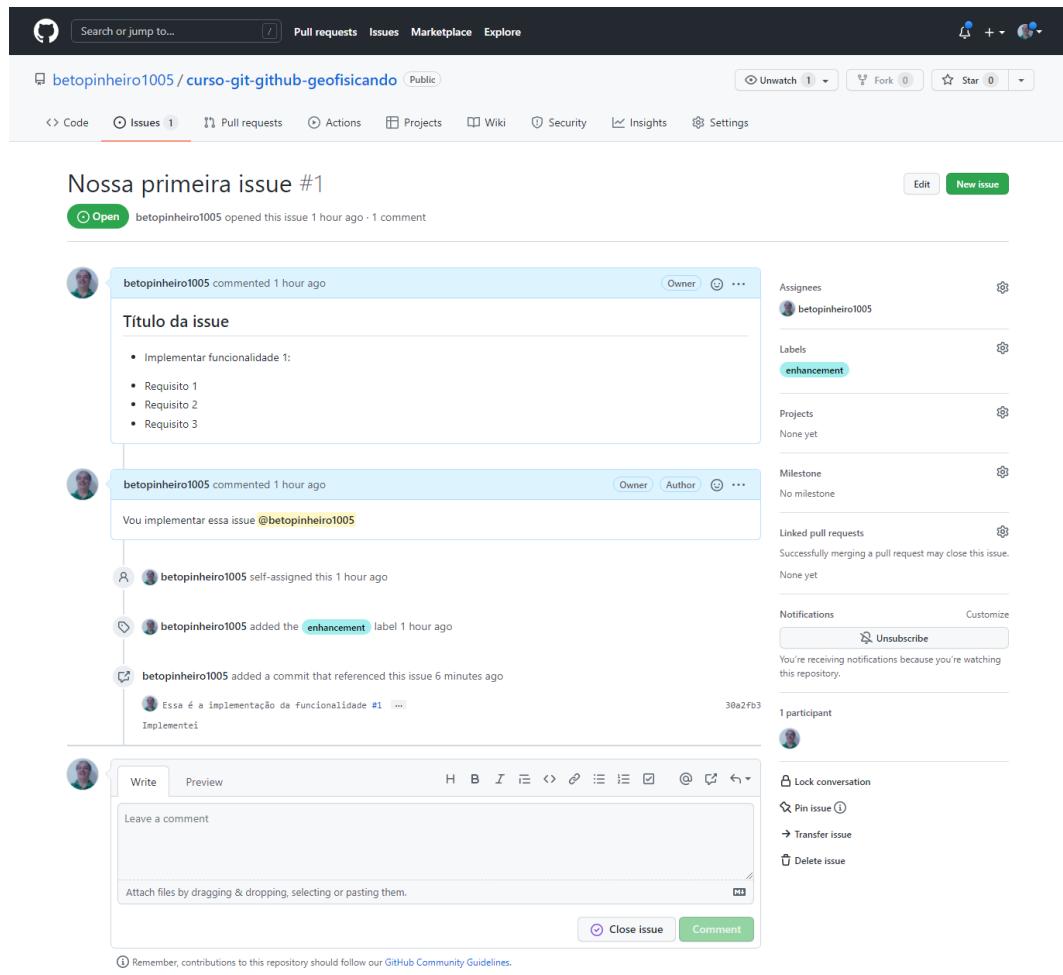
No Github:

 betopinheiro1005	git pull ...	b57f67f 6 hours ago	⌚ 10 commits
 pasta	Adiciona teste2.md dentro da pasta	18 hours ago	
 LICENSE	Initial commit	20 hours ago	
 README.md	Initial commit	20 hours ago	
 arq1.txt	Commit do arquivo 1	19 hours ago	
 arq2.txt	Commit do arquivo 2 da aula sobre git tag	15 hours ago	
 arq3.txt	Nova versão	15 hours ago	
 arquivofetch.txt	git pull	6 hours ago	
 aulaSobreGit.txt	Adicionada a primeira linha no arquivo aulaSobreGit.txt	16 hours ago	
 teste.md	Título do novo commit	18 hours ago	

Ao atualizar a página:

 betopinheiro1005	Essa é a implementação da funcionalidade #1 ...	30a2fb3 8 minutes ago	⌚ 12 commits
 pasta	Adiciona teste2.md dentro da pasta	18 hours ago	
 LICENSE	Initial commit	20 hours ago	
 README.md	Initial commit	20 hours ago	
 arq1.txt	Commit do arquivo 1	19 hours ago	
 arq2.txt	Commit do arquivo 2 da aula sobre git tag	15 hours ago	
 arq3.txt	Nova versão	15 hours ago	
 arquivoFetch.txt	git pull	7 hours ago	
 aulaSobreGit.txt	Essa é a implementação da funcionalidade #1	8 minutes ago	
 qualquer.txt	Título mensagem padronizada	1 hour ago	
 teste.md	Título do novo commit	18 hours ago	

- Clique na aba de "Issues":
- Clique em "Nossa primeira issue"



The screenshot shows the GitHub interface for the repository betopinheiro1005 / curso-git-github-geofisicando. The 'Issues' tab is selected. The first issue, titled 'Nossa primeira issue #1', is displayed. The issue was opened by betopinheiro1005 1 hour ago and has 1 comment. The issue details show a list of requirements: Implementar funcionalidade 1, Requisito 1, Requisito 2, and Requisito 3. The issue is assigned to betopinheiro1005 and has the 'enhancement' label applied. The comments section shows betopinheiro1005 self-assigning the issue and adding the 'enhancement' label. A commit reference is also present. The bottom of the page includes a comment input field and standard GitHub navigation links.

Aula 26 - Criando novas releases no seu repositório no github (Parte 1)

release = nova versão do código

```
touch shellUnit.txt
```

```
echo "Pesquisa unitária em shell script" >> shellUnit.txt
```

```
cat shellUnit.txt
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ touch shellUnit.txt

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ echo "Pesquisa unitária em shell script" >> shellUnit.txt

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ cat shellUnit.txt
Pesquisa unitária em shell script
```

Adicionando a tag

```
git tag -a v0.1.0
```

Versão inicial de desenvolvimento da shellUnity

Definição das asserções básicas, funções que verificam a existência de arquivos e arquivos de configuração e instalação.

Versão inicial de desenvolvimento da shellUnit

Definição das asserções básicas, funções que verificam a existência de arquivos e arquivos de configuração e instalação.

```
#
# Write a message for tag:
#   v0.1.0
# Lines starting with '#' will be ignored.
~
```

```
<Esc> :wq
```

```
git tag
```

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git tag
v0.1.0
v1.0
v2.0
```

git status

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

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

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

git add shellUnit.txt

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git add shellUnit.txt
warning: LF will be replaced by CRLF in shellUnit.txt.
The file will have its original line endings in your working directory
```

git status

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

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

git show v0.1.0

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git show v0.1.0
tag v0.1.0
Tagger: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date: Tue Jan 4 10:39:13 2022 -0300

Versão inicial de desenvolvimento da shellUnity

Definição das asserções básicas, funções que verificam a existência de
arquivos e arquivos de configuração e instalação.

commit 30a2fb308b1ce375da6f38441d56c7169ee04baf (HEAD -> main, tag: v0.1.0, origin/main, origin/HEAD)
Author: Roberto Pinheiro <betopinheiro1005@yahoo.com.br>
Date: Tue Jan 4 04:18:43 2022 -0300

  Essa é a implementação da funcionalidade #1

  Implementei

diff --git a/aulaSobreGit.txt b/aulaSobreGit.txt
index e051b0b..9a3ac94 100644
--- a/aulaSobreGit.txt
+++ b/aulaSobreGit.txt
@@ -1 +1,3 @@
  adicionado uma linha no arquivo
```

git push --tag

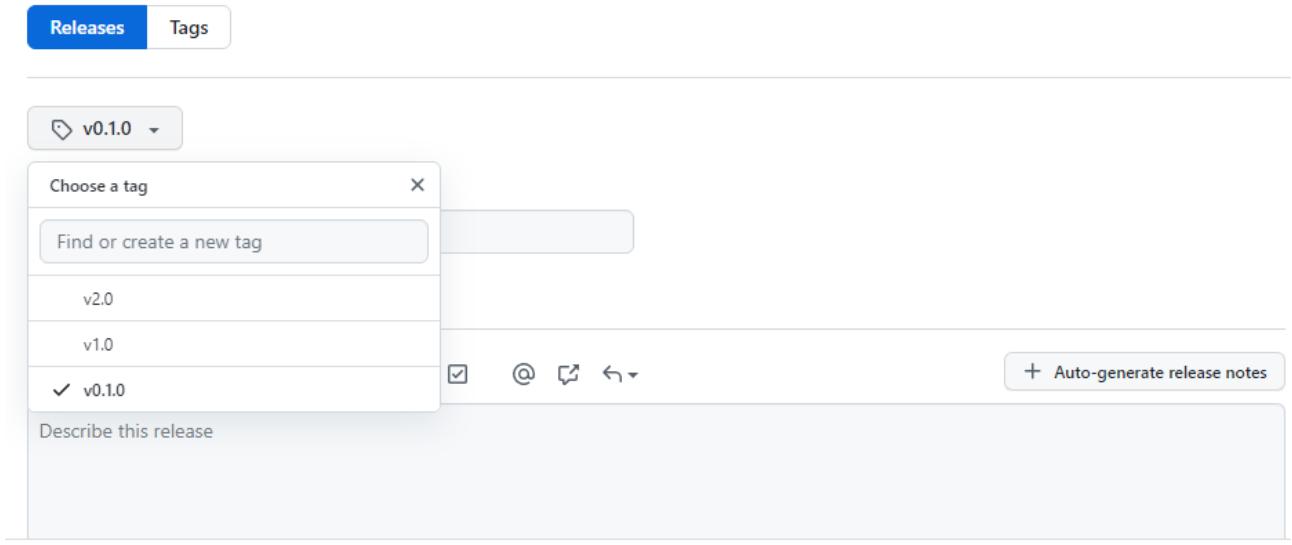
```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git push --tag
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 2 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 583 bytes | 83.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/betopinheiro1005/curso-git-github-geofisicando.git
 * [new tag]      v0.1.0 -> v0.1.0
 * [new tag]      v1.0 -> v1.0
 * [new tag]      v2.0 -> v2.0
```

No Github:

The screenshot shows a GitHub repository page for 'betopinheiro1005 / curso-git-github-geofisicando'. The repository is public and has 1 issue, 1 pull request, and 12 commits. The commit history includes several files like 'pasta', 'LICENSE', 'README.md', and various 'arq' files. The repository details show it's about 'Curso de Git / Github - Geofisicando (Rodolfo Dirack)' with 0 stars, 1 watching, and 0 forks. It also lists 3 tags, a 'Create a new release' link, and a 'Publish your first package' link.

- Clique no link "Create a new release":

- Selecione v0.1.0



- No título digite:

Versão inicial de desenvolvimento

Releases Tags

v0.1.0 ▾

Choose a tag v0.1.0

Find or create a new tag

v2.0
v1.0
✓ v0.1.0

+ Auto-generate release notes

Describe this release

Code Issues 1 Pull requests Actions Projects Wiki Security Insights Settings

Releases Tags

v0.1.0 ▾

✓ Existing tag

Versão inicial de desenvolvimento

Write Preview

Describe this release

Tagging suggestions

It's common practice to prefix your version names with the letter v. Some good tag names might be v1.0.0 or v2.3.4.

If the tag isn't meant for production use, add a pre-release version after the version name. Some good pre-release versions might be v0.2.0-alpha or v5.9-beta.3.

Semantic versioning

If you're new to releasing software, we highly recommend reading about semantic versioning.

This is a pre-release

We'll point out that this release is identified as non-production ready.

Publish release Save draft

- Clique no botão "Publish release"

The screenshot shows the GitHub repository page for 'curso-git-github-geofisicando'. The 'Code' tab is selected. A release titled 'Versão inicial de desenvolvimento' (Latest) is displayed, released by 'betopinheiro1005' at v0.1.0. The description states: 'Definição das asserções básicas, funções que verificam a existência de arquivos e arquivos de configuração e instalação.' Below the release, there are two assets: 'Source code (zip)' and 'Source code (tar.gz)'. The GitHub header includes links for Pull requests, Issues, Marketplace, and Explore.

Releases / v0.1.0

Versão inicial de desenvolvimento

Latest

betopinheiro1005 released this now v0.1.0 30a2fb3

Versão inicial de desenvolvimento da shellUnity

Definição das asserções básicas, funções que verificam a existência de arquivos e arquivos de configuração e instalação.

Assets 2

Source code (zip)

Source code (tar.gz)



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- É possível baixar o código-fonte em formato **zip** ou **tar.gz**

The screenshot shows the GitHub repository page for 'curso-git-github-geofisicando'. The 'Code' tab is selected. The commit history for the 'main' branch is displayed, showing 12 commits from 'betopinheiro1005'. The commits include: 'Adiciona teste2.md dentro da pasta' (yesterday), 'Initial commit' (yesterday), 'Initial commit' (yesterday), 'Commit do arquivo 1' (yesterday), 'Commit do arquivo 2 da aula sobre git tag' (22 hours ago), 'Nova versão' (21 hours ago), 'git pull' (13 hours ago), 'Essa é a implementação da funcionalidade #1' (7 hours ago), 'Título mensagem padronizada' (8 hours ago), and 'Título do novo commit' (yesterday). To the right of the commit history, there is an 'About' section with details about the repository: 'Curso de Git / Github - Geofisicando (Rodolfo Dirack)', 'Readme', 'GPL-3.0 License', '0 stars', '1 watching', and '0 forks'. Below the commit history, there is a 'Releases' section with one release titled 'Versão inicial de desenvolvimento' (Latest, 3 minutes ago). At the bottom, there is a 'Packages' section with the message 'No packages published' and 'Publish your first package'. The GitHub header includes links for Pull requests, Issues, Marketplace, and Explore.

README.md

curso-git-github-geofisicando

Curso de Git / Github - Geofisicando (Rodolfo Dirack)

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Observe que agora, em "Releases" é exibido a release que criamos.

Releases 1

-  Versão inicial de desenvolvimento Latest
5 minutes ago

Aula 27 - Criando novas releases no seu repositório no github (Parte 2)

- Vamos criar apenas o esboço de uma release e quando a mesma for finalizada poderemos publicá-la.

No Github:

- Clique no link "Releases":
- Em seguida, clique no botão "Draft a new release" (esboço de uma nova release)
- Em "Choose a tag" digite v.0.1.1
- Em "Release title" digite:

Esboço de uma nova versão

The screenshot shows the GitHub interface for creating a new release. The repository 'betopinheiro1005 / curso-git-github-geofisicando' is selected. The 'Releases' tab is active. A draft release is being created with the tag 'v0.1.1' and the target branch 'main'. The title field contains 'Esboço de uma nova versão'. The note field contains the text 'Estamos criando apenas o esboço de uma release e quando ela for finalizada poderemos publicá-la.'. On the right, there are sections for 'Tagging suggestions' and 'Semantic versioning'. At the bottom, there is a checkbox for 'This is a pre-release' and two buttons: 'Publish release' (green) and 'Save draft' (white).

- Clique no botão "Save draft"



- O esboço da release foi salvo.

- Clique no botão "Releases"

The screenshot shows a GitHub repository page for 'betopinheiro1005 / curso-git-github-geofisicando'. The 'Releases' tab is selected. There are two releases listed:

- Esboço de uma nova versão** (Draft): Published 2 minutes ago by betopinheiro1005. Description: 'Estamos criando apenas o esboço de uma release e quando ela for finalizada poderemos publicá-la.' It has edit and delete icons.
- Versão inicial de desenvolvimento** (Latest): Published 26 minutes ago by betopinheiro1005. Version v0.1.0, commit 38a2fb3. Description: 'Versão inicial de desenvolvimento da shellUnity'. Definition: 'Definição das asserções básicas, funções que verificam a existência de arquivos e arquivos de configuração e instalação.' It includes a 'Assets' section with two source code files (zip and tar.gz) and a compare link.

- Quando quiser publicar a release v0.1.1, clique em "Edit"

The screenshot shows the GitHub 'Releases' page for a repository named 'betopinheiro1005 / curso-git-github-geofisicando'. The 'Releases' tab is selected. A yellow banner at the top left says 'This is a draft and won't be seen by the public unless it's published.' with a 'Discard draft' button. Below it, a dropdown shows 'v0.1.1' and 'Target: main'. A message says 'Excellent! This tag will be created from the target when you publish this release.' A text area titled 'Esboço de uma nova versão' contains the placeholder text 'Estamos criando apenas o esboço de uma release e quando ela for finalizada poderemos publicá-la.' Below the text area is a file upload section with the instruction 'Attach files by dragging & dropping, selecting or pasting them.' and a binary attachment section with the instruction 'Attach binaries by dropping them here or selecting them.' At the bottom, there is a checkbox 'This is a pre-release' with the note 'We'll point out that this release is identified as non-production ready.', followed by 'Publish release' and 'Save draft' buttons.

- Edite os parâmetros e finalmente clique no botão "**Publish release**"

- Se quiser descartar essa release, clique no botão "**Discard draft**"

Aula 28 - Como criar um README bonitão para o seu portifólio no Github (Parte 1)

É importante que todos os seus repositórios no Github tenham um arquivo README.md para que o usuário possa saber do que aquele código se trata, como ele pode instalar o programa ou aplicação e suas dependências, além de outras informações relevantes para o seu projeto.

Enviando uma imagem para o repositório remoto

```
beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 2 commits.
  (use "git push" to publish your local commits)

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:   github_social.png

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

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git add github_social.png

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 2 commits.
  (use "git push" to publish your local commits)

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

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git commit -m "Envio de imagem do Github social"
[main 9993dc6] Envio de imagem do Github social
 1 file changed, 0 insertions(+), 0 deletions(-)
 rewrite github_social.png (92%)

beto1@DESKTOP-HFTIOCI MINGW64 /c/xampp/htdocs/curso-git-github-geofisicando (main)
$ git push
Enumerating objects: 12, done.
Counting objects: 100% (11/11), done.
Delta compression using up to 2 threads
Compressing objects: 100% (8/8), done.
Writing objects: 100% (8/8), 1.32 MiB | 820.00 KiB/s, done.
Total 8 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), completed with 1 local object.
To https://github.com/betopinheiro1005/curso-git-github-geofisicando.git
  95b5684..9993dc6  main -> main
```

	betopinheiro1005 Update README.md	95b5684 1 minute ago	14 commits
	pasta	Adiciona teste2.md dentro da pasta	yesterday
	LICENSE	Initial commit	yesterday
	README.md	Update README.md	1 minute ago
	arq1.txt	Commit do arquivo 1	yesterday
	arq2.txt	Commit do arquivo 2 da aula sobre git tag	23 hours ago
	arq3.txt	Nova versão	23 hours ago
	arquivofetch.txt	git pull	15 hours ago
	aulaSobreGit.txt	Essa é a implementação da funcionalidade #1	9 hours ago
	github_social.png	Imagen - Github social	5 minutes ago
	qualquer.txt	Título mensagem padronizada	10 hours ago
	shellUnit.txt	Imagen - Github social	5 minutes ago
	teste.md	Título do novo commit	yesterday

Principais comandos do Markdown

README.md

```
# Curso de Git e Github
## Geofisicando (Rodolfo Dirack)
```

Texto em itálico

Estudos sobre Git e Github

Texto em negrito

****Estudos sobre Git e Github****

Texto em destaque

> Texto em destaque

> Mais um texto em destaque

Lista não ordenada

- * Item 1
- * Item 2
- * Item 3

Lista não ordenada com sublistas

- * Item 1

- Sub-item 1
 - Sub-item 2
 - Sub-item 3
- * Item 2
 - * Item 3

Link externo

Ir para a página do [Google](<https://www.google.com>)

Imagem

![Imagen do Github](https://github.com/betopinheiro1005/curso-git-github-geofisicando/blob/main/github_social.png)

Imagem com tag HTML

```

```

Lista com checkbox

Funções para implementar

- [] função somar
- [x] função subtrair
- [] função multiplicar

Escrever código

Em linguagem C

```
```c  
int main(void){
 printf("Hello world\n")
}
```
```

Em Python

```
```py  
print("Hello world")
```
```

Em shell

```
```sh  
echo "Hello world"
```
```

Criar tabela

| Nome | | E-mail | | Cargo | |
|------------------|--|--|--|---------------|--|
| --- | | --- | | --- | |
| Roberto Pinheiro | | betopinheiro1005@yahoo.com.br | | Developer PHP | |

Code Issues Pull requests Marketplace Explore

betopinheiro1005 / curso-git-github-geofisicando Public

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

main · curso-git-github-geofisicando / README.md

Go to file ...

betopinheiro1005 Update README.md · Latest commit 55e4f48 now · History

1 contributor

Curso de Git e Gihub

Geofisicando (Rodolfo Dirack)

Texto em itálico
Estudos sobre Git e Github

Texto em negrito
Estudos sobre Git e Github

Texto em destaque

- Textos em destaque
- Mais um texto em destaque

Lista não ordenada

- Item 1
- Item 2
- Item 3

Lista não ordenada com sublistas

- Item 1
 - Sub-item 1
 - Sub-item 2
 - Sub-item 3
- Item 2
- Item 3

Link externo
Ir para a página do Google

Imagem

Imagen com tag HTML

Lista com checkbox

Funções para implementar

- função somar
- função subtrair
- função multiplicar

Escrever código

Em linguagem C

```
for (int i=0; i<5; i++){
    printf("Hello world\n");
}
```

Em Python

```
print("Hello world")
```

Em shell

```
echo "Hello world"
```

Criar tabela

| Nome | E-mail | Cargo |
|------------------|-------------------------------|---------------|
| Roberto Pinheiro | betopinheiro1005@yahoo.com.br | Developer PHP |

Aula 29 - Como criar um README bonitão para o seu portifólio no Github (Parte 2)

Como criar o README para o nosso Portfolio

Para criar o README para o nosso Portfolio:

- Crie um novo repositório com o mesmo nome que está em nossa conta (betopinheiro1005).

The screenshot shows the GitHub interface for creating a new repository. At the top, there's a navigation bar with icons for search, pull requests, issues, marketplace, and explore. Below it, the main title is 'Create a new repository'. A sub-instruction says 'A repository contains all project files, including the revision history. Already have a project repository elsewhere? Import a repository.' The 'Owner' field is set to 'betopinheiro1005'. The 'Repository name' field is also 'betopinheiro1005'. A green callout box highlights a secret repository feature: 'You found a secret! betopinheiro1005/betopinheiro1005 is a special repository that you can use to add a README.md to your GitHub profile. Make sure it's public and initialize it with a README to get started.' There's a 'Description (optional)' input field, which is currently empty. Under 'Visibility', the 'Public' option is selected, with a note: 'Anyone on the internet can see this repository. You choose who can commit.' The 'Private' option is also available. In the 'Initialize this repository with:' section, three checkboxes are shown: 'Add a README file' (unchecked), 'Add .gitignore' (unchecked), and 'Choose a license' (unchecked). At the bottom right is a large green 'Create repository' button. The footer of the page includes links for GitHub, Inc., Terms, Privacy, Security, Status, Docs, Contact GitHub, Pricing, API, Training, Blog, and About.

- Se desejar, preencha o campo "**Description**"

- Marque a caixa "**Add a README file**".

- Clique no botão "**Create repository**"

Editando o arquivo README.md

- Edite o arquivo README.md com o que deseja exibir em seu Portfolio.

The screenshot shows a GitHub interface for editing a README.md file. The top bar includes 'Edit file' and 'Preview' buttons, and a toolbar with 'Spaces', '2', 'Soft wrap'. The code area contains the following placeholder text:

```
1  ## Portifólio do Geofisicando teste! ☀
2
3  <!--
4  **geofisicandoteste/geofisicandoteste** is a ✨ _special_ ✨ repository because its 'README.md' (this file) appears on your GitHub profile.
5
6  Here are some ideas to get you started:
7
8  - 🚗 I'm currently working on ...
9  - 🌱 I'm currently learning ...
10 - 💬 I'm looking to collaborate on ...
11 - 🤝 I'm looking for help with ...
12 - 📖 Ask me about ...
13 - 📧 How to reach me: ...
14 - 🏳️ Pronouns: ...
15 - * Fun fact: ...
16 -->
17
```

- Todo que estiver entre <!-- e --> é considerado um comentário (Não será exibido).

Modelo de template

The screenshot shows a GitHub search results page for the query 'dirack'. The top navigation bar includes the GitHub logo, a search bar with 'dirack', and links for 'Pull requests', 'Issues', 'Marketplace', and 'Explore'. On the right, there are user profile icons. The left sidebar has sections for 'Repositories' (6), 'Code' (1K), 'Commits' (163), 'Issues' (36), 'Discussions' (0), 'Packages' (0), 'Marketplace' (0), 'Topics' (0), 'Wikis' (49), and 'Users' (13). Below that is a 'Languages' section with 'HTML' (3) and 'C++' (1). The main content area displays '6 repository results':

- Dirack/dirack**: Resumé, 2 stars, GPL-3.0 license, updated on 22 Aug 2021.
- JorgeSegtowich/Site-diracks-lounge**: Páginas HTML do site dirackslounge, 1 star, HTML, updated on 24 Dec 2018.
- diracks-second-brain/diracks-second-brain.github.io**: Organization website, 0 stars, HTML, GPL-3.0 license, updated on 2 Jul 2021.
- Dirack/dirack.github.io**: Sponsor link, Dirack's Lounge: Personal website and portfolio, 1 star, PHP, portfolio-website, jquery-ajax, html-css-javascript, HTML, GPL-3.0 license, updated on 21 Nov 2021.
- aramakus/Dirac-Hartree-Fock**: Finite element algorithm to solving Hartree-Fock and Dirac-Hartree-Fock equations, 2 stars, C++, updated on 23 Jul 2020.
- betopinheiro1005/curso-git-github-geofisicando**: Curso de Git / Github - Geofisicando (Rodolfo Dirack), 2 stars, GPL-3.0 license, updated 5 minutes ago.

At the bottom, there are links for 'Advanced search' and 'Cheat sheet'. The footer includes the GitHub logo, copyright information ('© 2022 GitHub, Inc.'), and links for 'Terms', 'Privacy', 'Security', 'Status', 'Docs', 'Contact GitHub', 'Pricing', 'API', 'Training', 'Blog', and 'About'.

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

[Dirack / dirack](#) Public

Code Issues Pull requests Actions Projects Wiki Security Insights

master 1 branch 0 tags Go to file Add file Code

Dirack Update README.md initial on 22 Aug 2021 34 commits

LICENSE Initial commit 2 years ago
README.md Update README.md 5 months ago
capa.jpg Add files via upload 17 months ago

About

Resumé

Readme GPL-3.0 License
2 stars 2 watching 0 forks

Releases

No releases published

Packages

No packages published

Hi, I'm Rodolfo André Cardoso Neves (Dirack) 🎉

PhD Student with emphasis in Modelling and Inversion of Geophysical Data at Federal University of Pará (UFPA) (2017-2021). Master's degree, Geophysics (UFPA) (2015-2017). Bachelor's degree, Geophysics (UFPA) (2010-2015)

Image: Working as a Staff Geophysicist on a gravimetric survey of GPR Geophysics Ltda (2014).

Professional experience:

- Staff Geophysicist on a gravimetric survey of GPR Geophysics Ltda. From July to December of 2014, São Paulo, São Paulo, Brazil. As GPR Geophysics employee, I've worked on Agência Nacional de Águas (ANA) gravimetric survey for aquifer prospecting on karst relief. I was responsible for gravimetric data acquisition, data correction, and Bouguer anomaly maps construction.
- Internship - Gravimetric survey of UNIFAP/UFPA/CNPQ/ANP Research project. From November to December of 2013, Macapá, Amapá, Brazil. As a member of the UNIFAP/UFPA/CNPQ/ANP research project for potential fields I've worked in gravimetric and magnetic data acquisition along Araguaí river, with the purpose of obtain the basement relief in that area.

Youtuber - Programming teacher

I teach computer programming on my YouTube channel, [Geofisicando](#) (portuguese material). We teach several programming languages, such as C, Fortran, Shell Script, Python and others. Please subscribe and share!

Some of our courses have digital certificate available on Workover Academy platform (our partner, with several online courses available for free). Please check it out on the following video: [Como conseguir o seu primeiro emprego como programador: A nova parceria do canal pode te ajudar!](#)

Member of the Madagascar Developers team since 20/08/2021

Madagascar Developer: Madagascar is an Open-Source Software Package for Multidimensional Data Analysis and seismic processing

My contributions

- Programs to Madagascar open-source seismic processing package:
 - `sfsacsrsnh`: is a C programs adapted to the Madagascar package. The main objective of this program is to optimize the zero offset Common Reflection Surface (CRS) parameters (RN, RNIP, BETA) that best fits a Non-hyperbolic CRS approximation surface with a reflection traveltime surface extracted from a seismic data cube (seismic data organized in CMP x Offset x Time coordinates). The parameters optimization is achieved using Very Fast Simulated Annealing (VFSA) global optimization algorithm. The result of that parameters optimization is used in CRS stacking and NIP tomography.
 - `sfnhcrssurf`: is a C programs adapted to the Madagascar package. The main objective of this programs is to build the Non-hyperbolic CRS surface using zero-offset CRS parameters obtained with `sfsacsrsnh` program.
 - `sfcstack`: Common Reflection Element (CRE) stacking.
 - `sfcrtajec`: Calculate CRE trajectory on CMP x Offset plane given zero-offset CRS parameters (RN, RNIP, BETA)
 - `sfgetregather`: Build CRE gather given CMP X Offset CRE trajectory coordinates and interpolated data cube.
 - `sfgetcretimecurve`: Calculate CRE traveltine curve t(m,h) given CRS zero-offset parameters (RN, RNIP, BETA)
- New Madagascar Computational Recipes:
 - `kmodeley.py`, to generate a multi-layer model and apply Kirchhoff-Newton modeling on it.
 - `velocityAnalysis.py`, to do velocity analysis, automatic picking, NMO correction and stack.
 - `pefInterpolation.py`, to increase CMP data sampling with Predictive Adaptive Error Filters (PEF) interpolation.
 - `creGatherStack.py`, to do CRE stacking.

A "computational recipe" is a python script that defines functions to facilitate seismic processing steps with Madagascar package.

Projects I'm currently working on:

- `ProSU`: A Shell Script Interface to Seismic Unix (SU) package.
- `creGatherStack`: Common Reflection Element (CRE) Gather stacking.
- `creVelocityInversion`: Velocity inversion algorithm using Common Reflection Element (CRE) traveltine approximation.
- `diffractionSimulator`: SConscripts to simulate diffraction hyperbolae in the stacked section.
- `shellUnity`: Unity test framework for Shell Script (Portuguese).

How to reach me:

- rodrigo.profissional@hotmail.com (email)
- Personal website
- Lattes
- LinkedIn
- Facebook
- Geofisicando (YouTube channel)

README.md

Hi, I'm Rodolfo André Cardoso Neves (Dirack) 

> Phd's Student with emphasis in Modelling and Inversion of Geophysical Data at Federal University of Pará (UFPA) (2017-2021).

> Master's degree, Geophysics (UFPA) (2015-2017). Bachelor's degree, Geophysics (UFPA) (2010-2015)

Image: Working as a Staff Geophysicist on a gravimetric survey of GPR Geophysics Ltda (2014).

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Member of the Madagascar Developers team since 20/08/2021

> Madagascar Developer: Madagascar is an Open-Source Software Package for Multidimensional Data Analysis and seismic processing

 My contributions:

- [Programs to Madagascar open-source seismic processing package](<https://github.com/ahay/src/tree/master/user/dirack>):

- **sfvfsacrsnh:** is a C programs adapted to the Madagascar package. The main objective of this program is to optimize the zero offset Common Reflection Surface (CRS) parameters (RN, RNIP, BETA) that best fits a Non-hyperbolic CRS approximation surface with a reflection travelttime surface extracted from a seismic data cube (seismic data organized in CMP x Offset X Time coordinates). The parameters optimization is achieved using Very Fast Simulated Annealing (VFS) global optimization algorithm. The result of that parameters optimization is used in CRS stacking and NIP tomography.

- **sfncrussurf:** is a C programs adapted to the Madagascar package. The main objective of this programs is to build the Non-hyperbolic CRS surface using zero-offset CRS parameters obtained with _sfvfsacrsnh_ program.

- **sfcrestack:** Common Reflection Element (CRE) stacking.

- **sfcretrajec:** Calculate CRE trajectory on CMP x Offset plane given zero-offset CRS parameters (RN, RNIP, BETA)

- **sfgetcregather:** Build CRE gather given CMP X Offset CRE trajectory coordinates and interpolated data cube-

- **sfgetcretimecurve:** Calculate CRE travelttime curve t(m,h) given CRS zero-offset parameters (RN, RNIP, BETA)

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- [kimodel.py](<https://github.com/ahay/src/blob/master/book/Recipes/kimodel.py>), to generate a multi-layer model and apply Kirchhoff-Newton modeling on it.
- [velocityAnalysis.py](<https://github.com/ahay/src/blob/master/book/Recipes/velocityAnalysis.py>), to do velocity Analysis, automatic picking, NMO correction and stack.
- [pefInterpolation.py](<https://github.com/ahay/src/blob/master/book/Recipes/pefInterpolation.py>), to increase CMP data sampling with Predictive Adaptive Error Filters (PEF) interpolation.
- [creGatherStack.py](<https://github.com/ahay/src/blob/master/book/Recipes/creGatherStack.py>), to do CRE stacking.

A "computational recipe" is a python script that defines functions to facilitate seismic processing steps with Madagascar package.

🚧 Projects I'm currently working on:

- [ProSU](<https://github.com/gpgeof/proSU>): A Shell Script interface to Seismic Unix (SU) package.
- [creGatherStack](<https://github.com/Dirack/creGatherStack>): Common Reflection Element (CRE) Gather stacking.
- [creVelocityInversion](<https://github.com/Dirack/creVelocityInversion>): Velocity inversion algorithm using Common Reflection Element (CRE) traveltime approximation.
- [diffractionSimulator](<https://github.com/Dirack/diffractionSimulator>): SConscripts to simulate diffraction hyperbolas in the stacked section.
- [shellUnity](<https://github.com/Dirack/shellUnity>): Unity test framework for Shell Script (Portuguese).

😊 How to reach me:

- rodolfo_profissional@hotmail.com (email)
- [Personal website](<https://dirack.github.io>)
- [Lattes](<http://lattes.cnpq.br/1612438665756011>)
- [Linkedin](<https://www.linkedin.com/in/rodolfodirack/>)
- [Facebook](<https://www.facebook.com/rodolfo.neves.925>)
- [Geofisicando (Youtube channel)](https://www.youtube.com/channel/UCi5XD5PCQtPrIRD0H_GJvag)

Aula 30 - Como hospedar o seu site pelo Github Pages

O Github permite criar uma página estática a partir de um repositório.

- Crie um novo repositório com esse nome especial (<nome-conta>.github.io):

The screenshot shows the GitHub interface for creating a new repository. At the top, there's a search bar and navigation links for 'Pull requests', 'Issues', 'Marketplace', and 'Explore'. On the right, there are user profile icons and a gear icon. The main form has fields for 'Owner' (set to 'betopinheiro1005') and 'Repository name' (set to 'betopinheiro1005.github.io'). A note says 'Great repository names are short and memorable. Need inspiration? How about didactic-octo-lamp?'. Below that is a 'Description (optional)' field containing 'Criando um site estático pelo Github'. There are two radio button options: 'Public' (selected) and 'Private'. Under 'Public', it says 'Anyone on the internet can see this repository. You choose who can commit.' Under 'Private', it says 'You choose who can see and commit to this repository.'. A section titled 'Initialize this repository with:' includes a checked checkbox for 'Add a README file' (with a note about writing a long description) and three unchecked checkboxes for 'Add .gitignore', 'Choose a license', and 'Choose a license' (with notes about choosing files to track and adding a license). A note at the bottom says 'This will set `main` as the default branch. Change the default name in your [settings](#)'. At the bottom right is a green 'Create repository' button.

About
Criando um site estático pelo Github
Readme
0 stars
1 watching
0 forks

Releases
No releases published
Create a new release

Packages
No packages published
Publish your first package

- Esse é o repositório que vai armazenar as páginas estáticas do site no Github.

<https://betopinheiro1005.github.io/>

betopinheiro1005.github.io

Criando um site estático pelo Github

- Clique no botão "Add file → Create new file":

- Crie o arquivo como o nome: **index.html**

The screenshot shows a GitHub repository page for 'betopinheiro1005 / betopinheiro1005.github.io'. The 'Code' tab is selected. A file named 'index.html' is being edited in the main branch. The code content is:

```
1 <!DOCTYPE html>
2 <html lang="pt-br">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>Home</title>
8 </head>
9 <body>
10  <h1>Welcome</h1>
11  <h2>Hi there!</h2>
12  <h2>I'm Roberto Pinheiro</h2>
13 </body>
14 </html>
```

Below the editor, a 'Commit new file' dialog is open. It contains the following fields:

- Commit message: Home
- Description: Página inicial - Home
- Associated email: betopinheiro1005@yahoo.com.br
- Branch selection:
 - Commit directly to the `main` branch.
 - Create a new branch for this commit and start a pull request. [Learn more about pull requests.](#)
- Buttons: 'Commit new file' (green) and 'Cancel'



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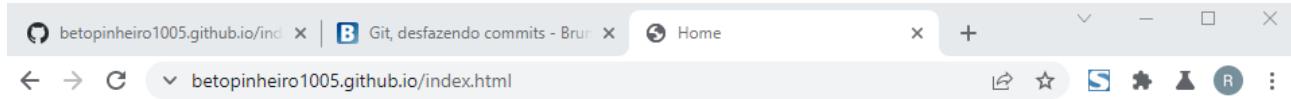
[Blog](#)

[About](#)

- Clique no botão "Commit new file"

- Recarregue a página.

<https://betopinheiro1005.github.io/>



Welcome

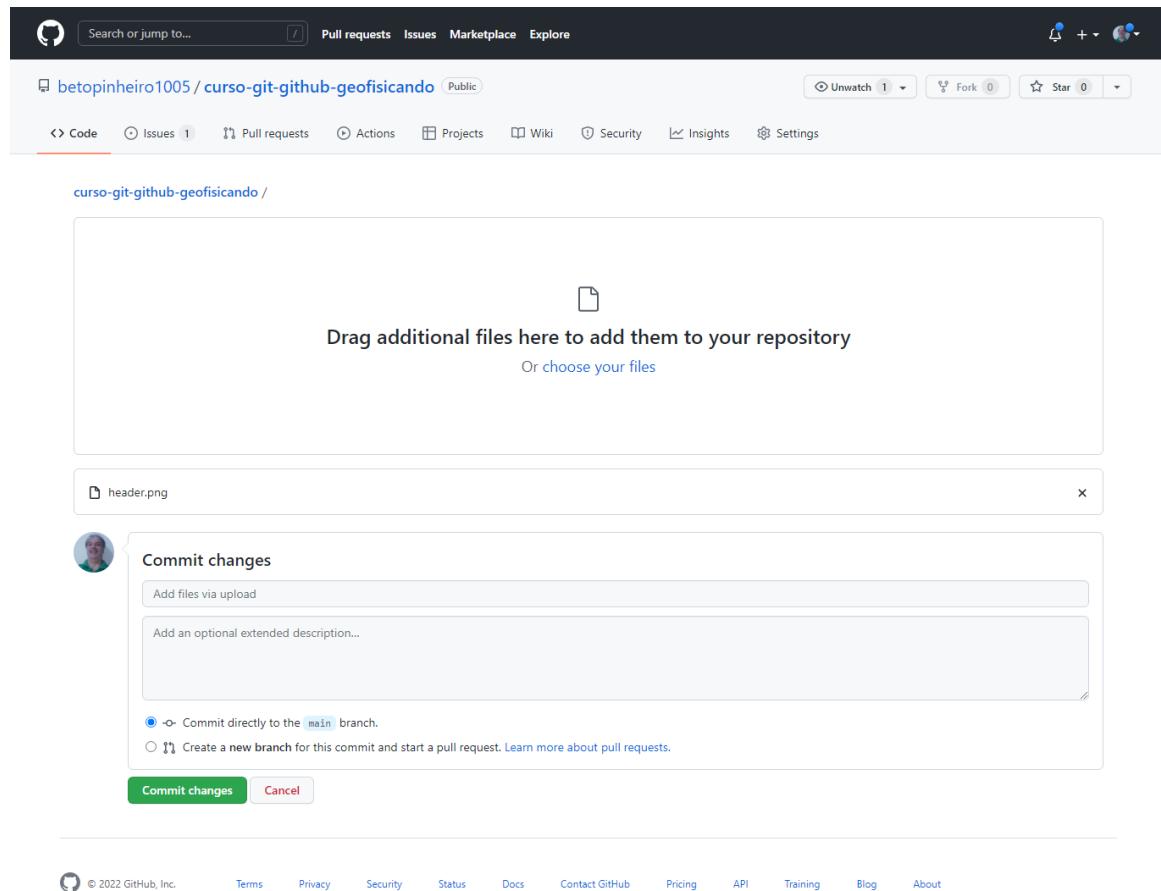
Hi there!

I'm Roberto Pinheiro

Aula 32 - Documentação profissional com Github Wiki (Parte 2)

Enviando uma imagem diretamente para o Github

- Clique no botão "Add file → Upload files"



- Clique no botão "choose your files"

The screenshot shows a GitHub repository page for 'curso-git-github-geofisicando'. At the top, there's a search bar and navigation links for 'Pull requests', 'Issues', 'Marketplace', and 'Explore'. Below the header, the repository name 'betopinheiro1005 / curso-git-github-geofisicando' is shown, along with 'Public' status and 'Unwatch', 'Fork', and 'Star' buttons. A file upload area is displayed, asking to 'Drag additional files here to add them to your repository' or 'choose your files'. A file named 'header.png' is currently selected. A modal window titled 'Commit changes' is open, containing a message about sending an image and two radio button options: 'Commit directly to the main branch.' (selected) and 'Create a new branch for this commit and start a pull request.' Below the options are 'Commit changes' and 'Cancel' buttons. At the bottom of the page, there's a footer with links to 'Terms', 'Privacy', 'Security', 'Status', 'Docs', 'Contact GitHub', 'Pricing', 'API', 'Training', 'Blog', and 'About'.

- Clique no botão "Commit changes"

| | | | | |
|--|----------------------------------|---|-------------|--------------|
| | betopinheiro1005 Envio de imagem | ... | 6d4712b now | 28 commits |
| | pasta | Adiciona teste2.md dentro da pasta | | yesterday |
| | LICENSE | Initial commit | | yesterday |
| | README.md | Update README.md | | 3 hours ago |
| | arq1.txt | Commit do arquivo 1 | | yesterday |
| | arq2.txt | Commit do arquivo 2 da aula sobre git tag | | yesterday |
| | arq3.txt | Nova versão | | yesterday |
| | arquivofetch.txt | git pull | | 19 hours ago |
| | aulaSobreGit.txt | Essa é a implementação da funcionalidade #1 | | 13 hours ago |
| | github_social.png | Envio de imagem do Github social | | 4 hours ago |
| | header.png | Envio de imagem | | now |
| | qualquer.txt | Título mensagem padronizada | | 14 hours ago |
| | shellUnit.txt | Imagen - Github social | | 4 hours ago |
| | teste.md | Título do novo commit | | yesterday |

Criando uma Wiki

- No Github clique no link "Wiki"

Welcome to the curso-git-github-geofisicando wiki!

Wikis provide a place in your repository to lay out the roadmap of your project, show the current status, and document software better, together.

[Create the first page](#)



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Docs

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About

- Clique no botão "Create the first page":

- Por padrão, o Github já coloca como página inicial, a página "Home".

The screenshot shows the GitHub interface for creating a new page in a repository. At the top, there's a dark header bar with the GitHub logo, a search bar, and navigation links for Pull requests, Issues, Marketplace, and Explore. Below the header, the repository name 'betopinheiro1005 / curso-git-github-geofisicando' is shown, along with status indicators for Unwatch (1), Fork (0), and Star (0). The main navigation bar includes Code, Issues (1), Pull requests, Actions, Projects, Wiki (which is underlined in red), Security, Insights, and Settings.

The main content area is titled 'Create new page' and has a 'Home' tab selected. It features a 'Write' tab and a 'Preview' tab. Below these tabs is a toolbar with buttons for h1, h2, h3, link, image, bold, italic, and other editing functions. The preview area contains the text 'Welcome to the curso-git-github-geofisicando wiki!'. At the bottom of the page creation interface, there's an 'Edit message' section with a text input containing 'Initial Home page' and a green 'Save Page' button.

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<https://raullesteves.medium.com/github-como-fazer-um-readme-md-bonito%C3%A3o-c85c8f154f8>

Screenshot of a GitHub repository page titled "Editing Home".

The page shows a rich text editor interface with a toolbar for writing, previewing, and editing Markdown. The content area contains a heading and some explanatory text about README files.

```
# Como fazer um README.md BONITÃO

[Link do texto original](https://raullesteves.medium.com/github-como-fazer-um-readme-md-bonit%C3%A3o-c85c8f154f8)

Neste artigo mostrarei como fazer um README.md bacanudo para aquele projeto que você tanto se orgulha. Chega de colocar uns textinhos sem jeito. Falaremos um pouco sobre markdown e focaremos em formatação, imagens, GIFs, links, listas, quotes, tasklists e código, tudo isso no nosso amigão, o README.md.

Ok, é bacana sabermos que o README.md tendo a extensão .md é um arquivo markdown, e o que é isso? Uma linguagem de marcação, assim como HTML e serve basicamente para estilizarmos texto na web. Falando no HTML algumas tags também funcionam, veremos adiante.

## Sintaxe com seu equivalente em HTML (caso haja):

![Header](https://github.com/betopinheiro1005/curso-git-github-geofisicando/blob/main/header.png)
```

Edit message

Write a small message here explaining this change. (Optional)

Save Page



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- Faça as anotações e em seguida clique no botão "Save Page"

The screenshot shows a GitHub repository page for 'betopinheiro1005 / curso-git-github-geofisicando'. The main content is a wiki page titled 'Como fazer um README.md BONITÃO'. The page contains a table comparing Markdown headers to their corresponding HTML tags. On the right side, there's a sidebar with sections for 'Pages', 'Find a Page...', 'Home', and 'Clone this wiki locally'.

| Markdown | HTML |
|-----------|---------------|
| # h1 | <h1>HTML</h1> |
| ## h2 | <h2>h1</h2> |
| ### h3 | <h3>h2 </h3> |
| #### h4 | <h4>h3</h4> |
| ##### h5 | <h5>h4</h5> |
| ###### h6 | <h6>h5</h6> |
| h1 | h1 |
| h2 | h2 |
| h3 | h3 |
| h4 | h4 |
| h5 | h5 |
| h6 | h6 |

Syntaxe com seu equivalente em HTML (caso haja):

Clone this wiki locally
https://github.com/betopinheiro1005



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Aula 33 - Documentação profissional com Github Wiki (Parte 3)

Inserindo o rodapé

- Clique no link "Add a custom footer"

- Insira:

© 2018, Rodolfo Dirack. Todos os direitos reservados.

- E salve.

The screenshot shows a GitHub Wiki page for the repository 'betopinheiro1005 / curso-git-github-geofisicando'. The page content is about creating a nice README.md. On the right side, there's a sidebar with a 'Pages' section containing one page ('Home') and a 'Find a Page...' search bar. Below it is a 'Home' section with the page title and a snippet of the content. At the bottom of the sidebar, there's a '+ Add a custom sidebar' button. Further down, there's a 'Clone this wiki locally' button with the URL 'https://github.com/betopinheiro1005/curso-git-github-geofisicando.git'. The main content area has a heading 'Como fazer um README.md BONITÃO' and a table comparing Markdown and HTML for headings. The footer of the page includes the copyright notice '© 2018, Rodolfo Dirack. Todos os direitos reservados.' and a GitHub logo.



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Adicionando um nova página

- Clique no botão "New Page"

The screenshot shows the GitHub interface for creating a new page. At the top, there is a navigation bar with links for 'Pull requests', 'Issues', 'Marketplace', and 'Explore'. Below the navigation bar, the repository name 'betopinheiro1005 / curso-git-github-geofisicando' is displayed, along with 'Public' status, 'Unwatch' (1), 'Fork' (0), and 'Star' (0) buttons. The main menu includes 'Code', 'Issues' (1), 'Pull requests', 'Actions', 'Projects', 'Wiki' (selected), 'Security', 'Insights', and 'Settings'. The central area is titled 'Create new page' and contains a text input field with the placeholder 'Pagina1'. Below the input field is a toolbar with buttons for 'Write' (selected) and 'Preview'. The 'Write' tab includes a rich text editor with buttons for h1, h2, h3, link, image, bold, italic, and other styling options. The 'Edit mode:' dropdown is set to 'Markdown'. The main content area contains the following Markdown code:

```
## Tabelas

> Em markdown temos que basicamente desenhar a tabela, porém existe um gerador de tabelas que facilita a nossa vida: gerador
> Basta copiar o que o gerador criar e colar no README.md.

> Em HTML usamos a nossa conhecida:

```html
<table>
```
```

```

Below the content area, there is an 'Edit message' section with a text input field for explaining changes. A green 'Save Page' button is located at the bottom right.

- Clique no botão "Save Page"

The screenshot shows a GitHub Wiki page titled "Pagina1". The page content includes a section titled "Tabelas" with two bullet points: "Em markdown temos que basicamente desenhar a tabela, porém existe um gerador de tabelas que facilita a nossa vida: gerador Basta copiar o que o gerador criar e colar no README.md." and "Em HTML usamos a nossa conhecida:". Below the content is a code block containing the opening tag <table>. On the right side, there is a sidebar with sections for "Pages 2", "Find a Page...", "Home", "Pagina1", and "Tabelas". A dashed box highlights the "Add a custom sidebar" link. At the bottom, there is a copyright notice and a "Clone this wiki locally" button.

- Clique no link "Add custom sidebar"

The screenshot shows the "Create new page" interface on GitHub. The page title is "Create new page" and the subtitle is "\_Sidebar". The main area contains a rich text editor with "Write" and "Preview" tabs, and a toolbar with various formatting options like h1-h3, bold, italic, etc. Below the toolbar is a preview of the page content, which includes two links: "[Home](https://github.com/betopinheiro1005/curso-git-github-geofisicando/wiki)" and "[Página 1](https://github.com/betopinheiro1005/curso-git-github-geofisicando/wiki/Pagina1)". At the bottom, there is an "Edit message" field and a "Save Page" button.

- Clique no botão "Save Page"

The screenshot shows a GitHub repository page for 'betopinheiro1005 / curso-git-github-geofisicando'. The 'Wiki' tab is selected. The page content is titled 'Como fazer um README.md BONITÃO'. It contains a section 'Link do texto original' with a link to a Markdown syntax guide. Below it is a table comparing Markdown headers to their corresponding HTML tags. The table has two columns: 'Markdown' and 'HTML'. The 'Markdown' column lists headers from h1 to h6. The 'HTML' column shows the corresponding HTML tags: h1, h2, h3, h4, h5, and h6. To the right of the table, there's a sidebar with links to 'Pages' (2), 'Home', and 'Página 1'. At the bottom, there's a copyright notice and a navigation bar with links like Terms, Privacy, Security, Status, Docs, Contact GitHub, Pricing, API, Training, Blog, and About.

Markdown	HTML
# h1	<h1>HTML</h1>
## h2	<h2>h1</h2>
### h3	<h3>h2 </h3>
#### h4	<h4>h3</h4>
##### h5	<h5>h4</h5>
###### h6	<h6>h5</h6>

- Clicando no link "Página 1":

The screenshot shows the 'Página 1' page in the same GitHub repository. The page title is 'Página 1'. It contains a section 'Tabelas' with two paragraphs. The first paragraph says: 'Em markdown temos que basicamente desenhar a tabela, porém existe um gerador de tabelas que facilita a nossa vida: gerador Basta copiar o que o gerador criar e colar no README.md.' The second paragraph says: 'Em HTML usamos a nossa conhecida:' followed by a code block containing '<table>'. To the right of the page content, there's a sidebar with links to 'Pages' (2), 'Home', and 'Página 1'. At the bottom, there's a copyright notice and a navigation bar with links like Terms, Privacy, Security, Status, Docs, Contact GitHub, Pricing, API, Training, Blog, and About.

Aula 34 - Documentação profissional com Github Wiki (Parte 4)

- Crie uma nova página chamada "Tutorial":

- Clique no botão "Save Page"

- Clique na caneta "Editar Sidebar"

Editing \_Sidebar

\_Sidebar

Write Preview

h1 h2 h3 Edit mode: Markdown

\* [Home](https://github.com/betopinheiro1005/curso-git-github-geofisicando/wiki)  
\* [Página 1](https://github.com/betopinheiro1005/curso-git-github-geofisicando/wiki/Pagina1)  
\* [Tutorial](https://github.com/betopinheiro1005/curso-git-github-geofisicando/wiki/Tutorial)

Edit message

Write a small message here explaining this change. (Optional)

Save Page

- Clique no botão "Save Page"

The screenshot shows a GitHub repository page for 'betopinheiro1005 / curso-git-github-geofisicando'. The 'Wiki' tab is selected. The main content is a page titled 'Como fazer um README.md BONITÃO'. On the left, there's a sidebar with a table comparing Markdown syntax for headings with their corresponding HTML output. The table has two columns: 'Markdown' and 'HTML'. The 'Markdown' column lists the heading levels from h1 to h6. The 'HTML' column shows the resulting HTML tags: h1, h2, h3, h4, h5, and h6. To the right of the content area, there are sections for 'Pages (3)', a navigation menu with links to 'Home', 'Página 1', and 'Tutorial', and a 'Clone this wiki locally' button with the URL 'https://github.com/betopinheiro100...'. At the bottom, there's a footer with copyright information and links to GitHub's Terms, Privacy, Security, Status, Docs, Contact GitHub, Pricing, API, Training, Blog, and About pages.

Markdown	HTML
# h1	<h1>HTML</h1>
## h2	<h2>h1</h2>
### h3	<h3>h2 </h2>
#### h4	<h4>h3</h3>
##### h5	<h5>h4</h4>
###### h6	<h6>h5</h5>
<b>h1</b>	<b>h1</b>
<b>h2</b>	<b>h2</b>
<b>h3</b>	<b>h3</b>
<b>h4</b>	<b>h4</b>
<b>h5</b>	<b>h5</b>
<b>h6</b>	<b>h6</b>



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Terms

Privacy

Security

Status

Docs

Contact GitHub

Pricing

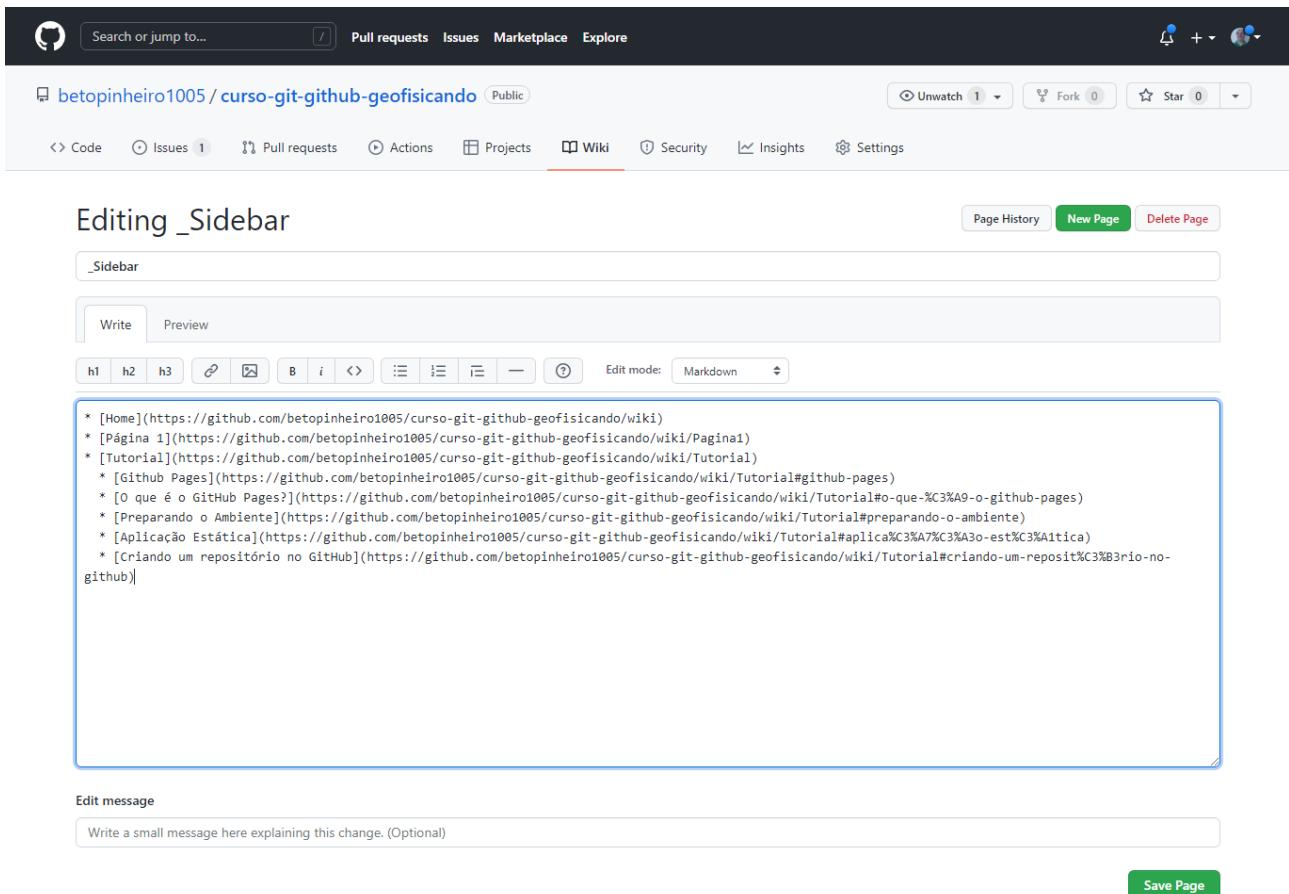
API

Training

Blog

About

- Clique na caneta "Editar Sidebar"



The screenshot shows a GitHub repository page for 'betopinheiro1005 / curso-git-github-geofisicando'. The 'Wiki' tab is selected. The page content is titled '\_Sidebar' and contains the following text:

```
* [Home](https://github.com/betopinheiro1005/curso-git-github-geofisicando/wiki)
* [Página 1](https://github.com/betopinheiro1005/curso-git-github-geofisicando/wiki/Pagina1)
* [Tutorial](https://github.com/betopinheiro1005/curso-git-github-geofisicando/wiki/Tutorial)
 * [Github Pages](https://github.com/betopinheiro1005/curso-git-github-geofisicando/wiki/Tutorial#github-pages)
 * [O que é o GitHub Pages?](https://github.com/betopinheiro1005/curso-git-github-geofisicando/wiki/Tutorial#o-que-%C3%A9-o-github-pages)
 * [Preparando o Ambiente](https://github.com/betopinheiro1005/curso-git-github-geofisicando/wiki/Tutorial#preparando-o-ambiente)
 * [Aplicação Estática](https://github.com/betopinheiro1005/curso-git-github-geofisicando/wiki/Tutorial#aplica%C3%A7%C3%A3o-est%C3%A1tica)
 * [Criando um repositório no GitHub](https://github.com/betopinheiro1005/curso-git-github-geofisicando/wiki/Tutorial#criando-um-repository%C3%B3rio-no-github)
```

Below the editor, there is a 'Edit message' section with a text input field and a 'Save Page' button.

- Clique no botão "Save Page"

Screenshot of a GitHub repository page titled "betopinheiro1005 / curso-git-github-geofisicando". The page shows a "Home" section with a "Como fazer um README.md BONITÃO" article. The article discusses how to create an aesthetically pleasing README.md file using Markdown. It includes a table comparing Markdown headers to their corresponding HTML tags. The right sidebar features a navigation menu with links to Home, Página 1, Tutorial, GitHub Pages, and other GitHub resources.

**Link do texto original**

Neste artigo mostrarei como fazer um README.md bacanudo para aquele projeto que você tanto se orgulha. Chega de colocar uns textinhos sem jeito. Falaremos um pouco sobre markdown e focaremos em formatação, imagens, GIFs, links, listas, quotes, tasklists e código, tudo isso no nosso amigão, o README.md.

Ok, é bacana sabermos que o README.md tendo a extensão .md é um arquivo markdown, e o que é isso? Uma linguagem de marcação, assim como HTML e serve basicamente para estilizarmos texto na web. Falando no HTML algumas tags também funcionam, veremos adiante.

**Sintaxe com seu equivalente em HTML (caso haja):**

Markdown	HTML
# h1	<code>&lt;h1&gt;HTML&lt;/h1&gt;</code>
## h2	<code>&lt;h2&gt;h2 &lt;/h2&gt;</code>
### h3	<code>&lt;h3&gt;h3&lt;/h3&gt;</code>
#### h4	<code>&lt;h4&gt;h4&lt;/h4&gt;</code>
##### h5	<code>&lt;h5&gt;h5&lt;/h5&gt;</code>
###### h6	<code>&lt;h6&gt;h6&lt;/h6&gt;</code>
<b>h1</b>	<b>h1</b>
<b>h2</b>	<b>h2</b>
<b>h3</b>	<b>h3</b>
<b>h4</b>	<b>h4</b>
<b>h5</b>	<b>h5</b>
<b>h6</b>	<b>h6</b>

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- Em "Tutorial", clique no botão "Edit"

- No final da página insira a linha:

[:arrow\_up: Ir para o topo](<https://github.com/betopinheiro1005/curso-git-github-geofisicando/wiki/Tutorial#github-pages>)

The screenshot shows the GitHub Wiki interface for the 'Tutorial' page. At the top, there's a navigation bar with links for Pull requests, Issues, Marketplace, and Explore. Below that is a header for the repository 'betopinheiro1005 / curso-git-github-geofisicando' (Public). The 'Wiki' tab is selected. On the left, there's a sidebar with links for Code, Issues (1), Pull requests, Actions, Projects, Wiki (selected), Security, Insights, and Settings. The main content area has a title 'Editing Tutorial' and a search bar with the text 'Tutorial'. Below the search bar are 'Write' and 'Preview' tabs, with 'Write' currently selected. The 'Edit mode:' dropdown is set to 'Markdown'. The page content is as follows:

```
Comando sudo apt install git caso esteja utilizando o Ubuntu e derivados ou então sudo apt install git se utilizar Fedora, Red Hat ou Suse.
Com o Git instalado, é necessário criar uma conta no GitHub caso ainda não tenha. Acesse esse link para criá-la.
Aplicação Estática
Como dito anteriormente, faremos a hospedagem de uma aplicação estática. Caso queira utilizar alguma aplicação sua, pode ficar à vontade! Mas, se preferir seguir com a mesma que estarei utilizando nesse post, vou disponibilizar esse link para que você possa fazer o download.
Ao fazer o download, você irá obter uma pasta zipada com um arquivo HTML e duas pastas: a pasta css contém os estilos aplicados ao site, enquanto a pasta images possui as imagens que serão utilizadas.
Uma vez que você já tenha o Git instalado, a conta no GitHub e os arquivos da aplicação, vamos para o passo a passo necessário para hospedá-la.
Criando um repositório no GitHub
Ao acessar sua conta, você terá uma opção de criar um novo repositório no canto superior direito (um ícone de '+' ao lado da sua imagem de perfil).
```

A red box highlights the URL '[:arrow\_up: Ir para o topo](https://github.com/betopinheiro1005/curso-git-github-geofisicando/wiki/Tutorial#github-pages)' at the bottom of the page.

At the bottom of the page, there's an 'Edit message' section with a text input field and a 'Save Page' button.

- Clique no botão "Save Page"

The screenshot shows a GitHub repository page for 'betopinheiro1005 / curso-git-github-geofisicando'. The 'Wiki' tab is active. The main content area has a heading 'Tutorial' and a sub-section 'Github Pages'. To the right, there's a sidebar titled 'Pages (3)' with a navigation tree:

- Home
- Página 1
- Tutorial
  - Github Pages
  - O que é o GitHub Pages?
  - Preparando o Ambiente
  - Aplicação Estática
  - Criando um repositório no GitHub

Below the sidebar, there's a link 'Clone this wiki locally' with the URL 'https://github.com/betopinheiro100...'.

**O que é o GitHub Pages?**

Ele consiste em um serviço de hospedagem de site estático, ou seja, um projeto que utiliza arquivos HTML, CSS e JavaScript diretamente de um repositório no GitHub. Essa hospedagem ocorre pela execução dos arquivos procedida pela publicação em um site.

A ferramenta permite hospedar o seu site no domínio [github.io](https://github.io) do GitHub ou no seu próprio domínio personalizado, caso você o informe (veremos essa opção ainda nesse post). Ao menos que você esteja utilizando um domínio próprio, os sites criados pelo GitHub Pages serão disponibilizados em [http\(s\)://github.io/](http://github.io/), em que corresponde ao nome de usuário da sua conta por lá, e corresponde ao nome do repositório do projeto a ser publicado.

Se você deseja conhecer um pouco mais sobre o GitHub Pages, confira mais informações neste link. Além disso, você pode também conferir exemplos de sites neste outro link.

**Preparando o Ambiente**

Antes de realizarmos a hospedagem da nossa aplicação, precisamos instalar o Git em nossa máquina, visto que somente assim conseguiremos subir ela. Uma vez feito isso, ela pode ser disponibilizada em algum link provido pelo mesmo.

Se você utiliza Windows ou macOS, é possível fazer o download do Git por meio deste link, no qual você verá uma opção de download para o seu sistema operacional. A instalação é simples e, para tal, basta seguir as instruções disponibilizadas no próprio instalador.

Por outro lado, se você utiliza alguma distribuição Linux, embora exista uma opção de download do instalador no site do Git, você pode usar apenas o comando `sudo apt install git` caso esteja utilizando o Ubuntu e derivados ou então `sudo dnf install git` se utilizar Fedora, Red Hat ou SUSE.

Com o Git instalado, é necessário criar uma conta no GitHub caso ainda não tenha. Acesse esse link para criá-la.

**Aplicação Estática**

Como dito anteriormente, faremos a hospedagem de uma aplicação estática. Caso queira utilizar alguma aplicação sua, pode ficar à vontade! Mas, se preferir seguir com a mesma que estarei utilizando nesse post, vou disponibilizar esse link para que você possa fazer o download.

Ao fazer o download, você irá obter uma pasta zipada com um arquivo HTML e duas pastas: a pasta `css` contém os estilos aplicados ao site, enquanto a pasta `images` possui as imagens que serão utilizadas.

Uma vez que você já tenha o Git instalado, a conta no GitHub e os arquivos da aplicação, vamos para o passo a passo necessário para hospedá-la.

**Criando um repositório no GitHub**

Ao acessar sua conta, você terá uma opção de criar um novo repositório no canto superior direito (um ícone de '+' ao lado da sua imagem de perfil).

[Ir para o topo](#)

