

Conceitos introdutórios + Github

SEMANA 1 - ON9 {REPROGRAMA}





Paula Allemand

DESENVOLVEDORA
FULLSTACK

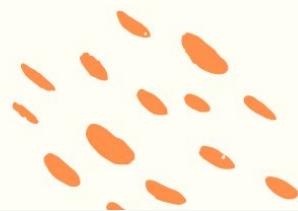


**Paula,
E AGORA?**



Combinados

VAMOS FAZER DO NOSSO DIA O
MELHOR QUE PODEMOS?



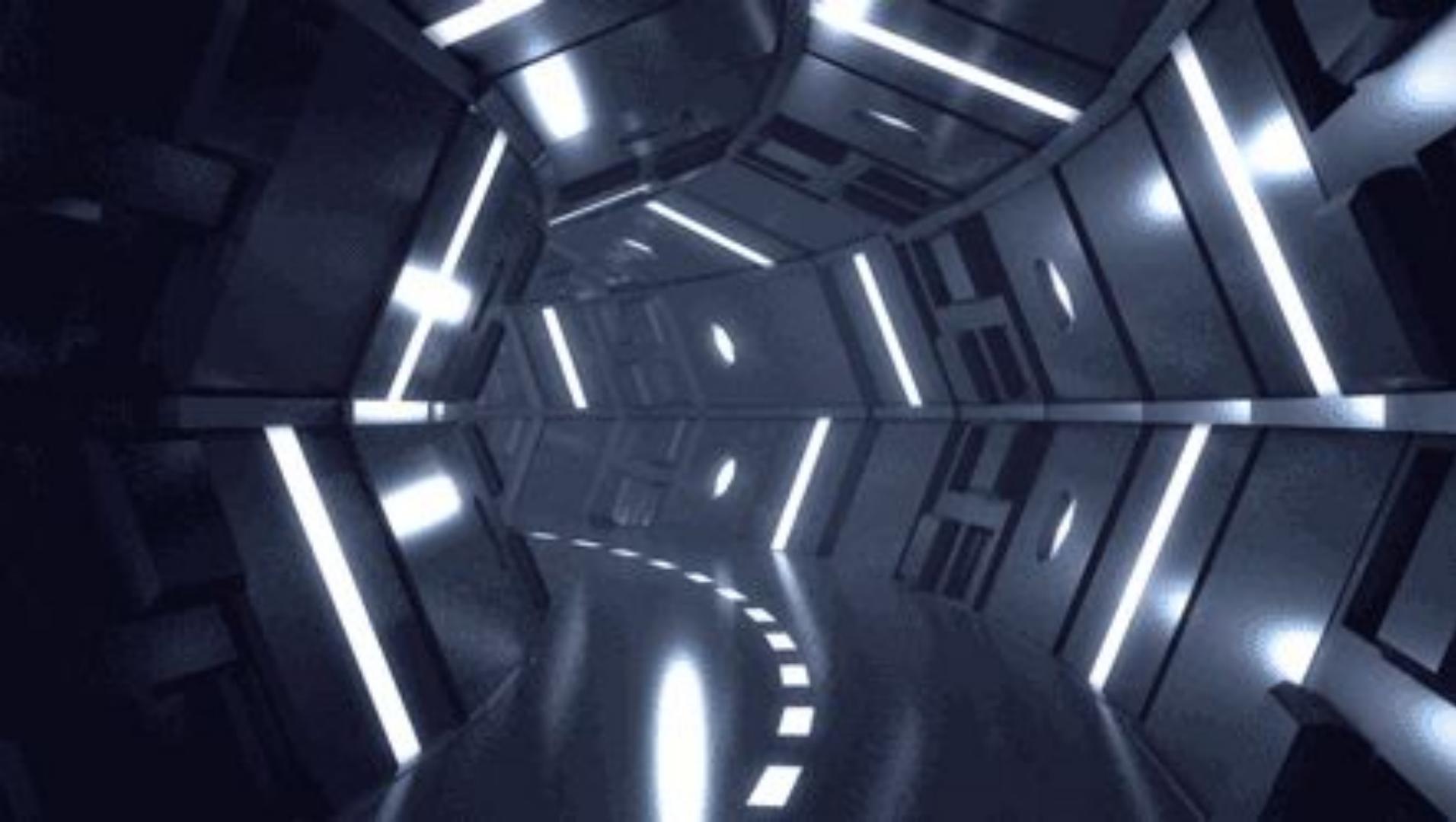
O que eu não
sei, posso
descobrir



Regra dos 3



Dúvidas



AGENDA

09h00 - 10h00

10h00 - 12h30

13h30 - 16h00

16h00 - 16h30

16h30 - 17h00

Introdução

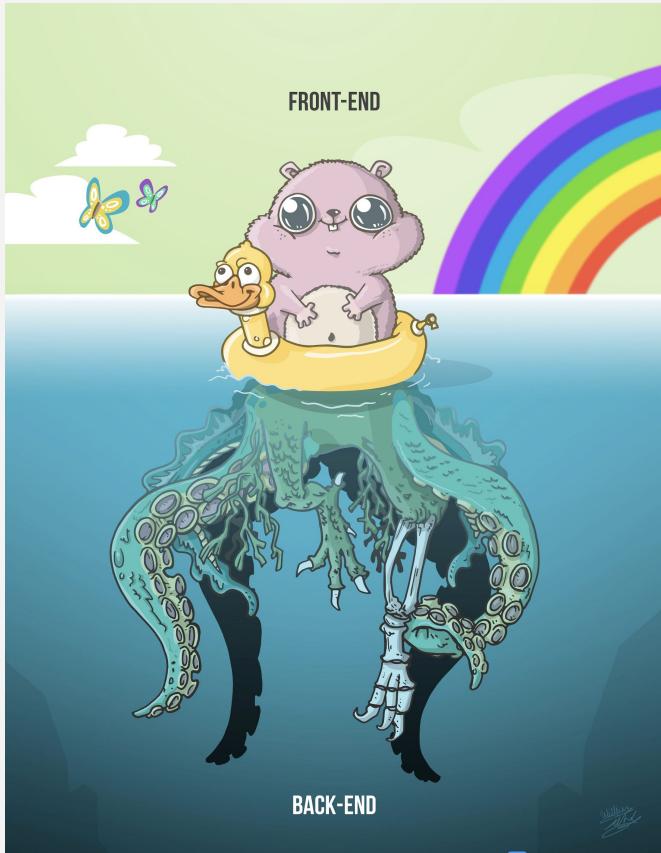
Entendendo Comandos

Projeto | Aula

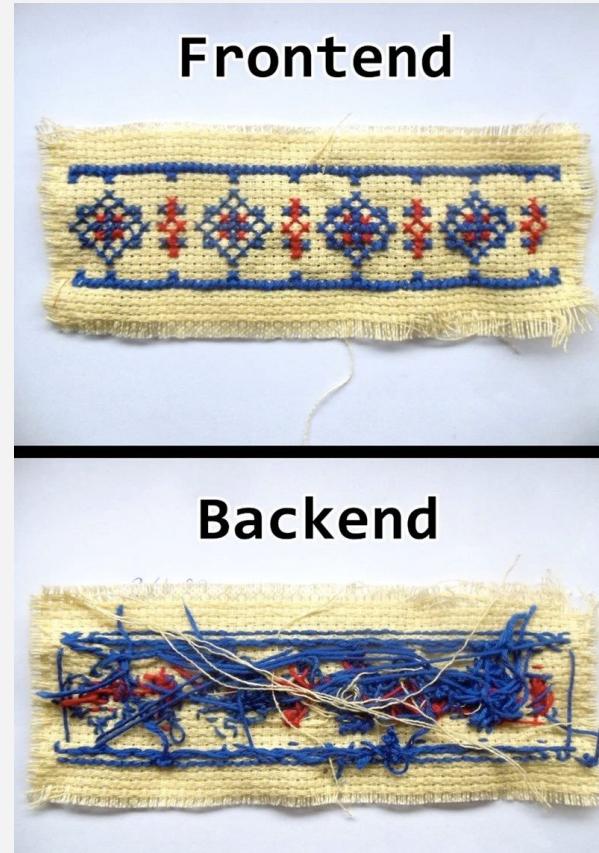
Conflitos

Projeto | Casa + Dúvidas

BACKEND



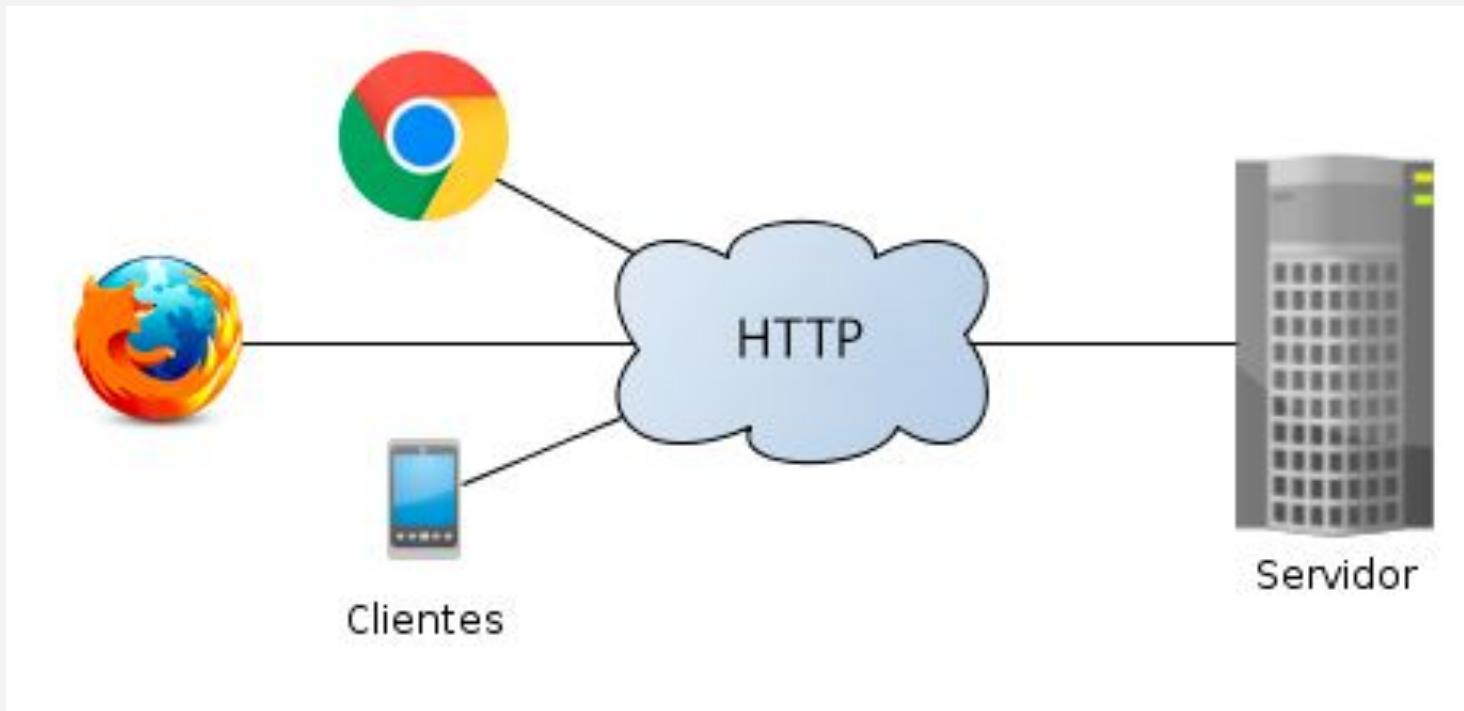
FRONTEND



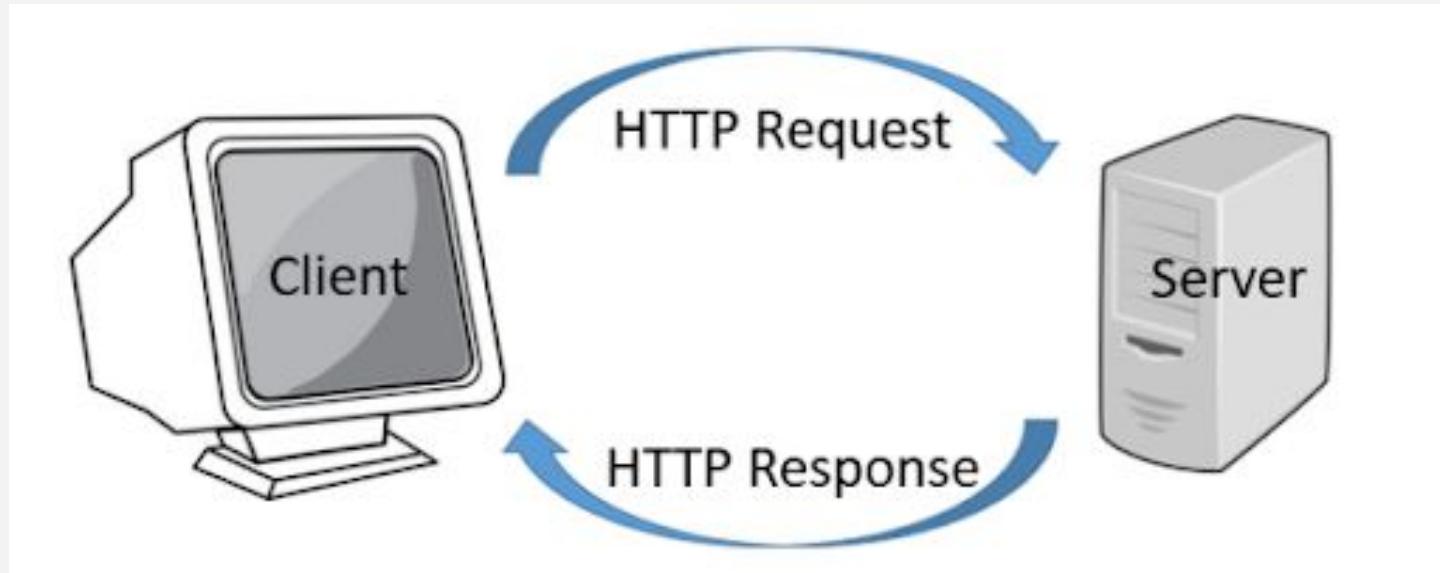
Comunicação



Comunicação



Protocolo HTTP



Nova guia

x +

← → C G Pesquisar no Google ou digitar URL

Apps GitHub Google Tradutor PressReader - Répl... Portal do Aluno Find Opportunities Replit - The world's... Cifras Top Livros Descobertas » Outros favoritos

Gmail Imagens



Pesquise no Google ou digite um URL



Portal do Aluno



Meu Drive



Google Drive



Netflix



Adicionar atal...

Personalizar



Digite aqui para pesquisar



03:08
09/08/2020

Elements Console Network » 1 9 34 | ⚙️ ⚙️

Filter

Hide data URLs

All XHR JS CSS Img Media Font Doc WS Manifest Other Has blocked cookies

Blocked Requests

20 ms 40 ms 60 ms 80 ms 100 ms

Name

app?origin=chrome-se...
m=_b_tp
apijs
ADGmqu8SYWaFhmlL
p1_a4ff491.png
ea554714e7.png
911e3628e6.png
m=wmwg8b
m=XAzchc,ws9Tlc,IZT6.
KFOmCnqEu92Fr1Mu4.
m=OJUrvb,_latency,FC.

12 requests | 16.3 kB trans

Headers Preview Response Initiator Timing »

General

Request URL: https://apis.google.com/js/api.js

Request Method: GET

Status Code: 200

Remote Address: [2800:3f0:4001:816::200e]:443

Referrer Policy: origin

Response Headers (17)

Request Headers

:authority: apis.google.com

:method: GET

:path: /js/api.js



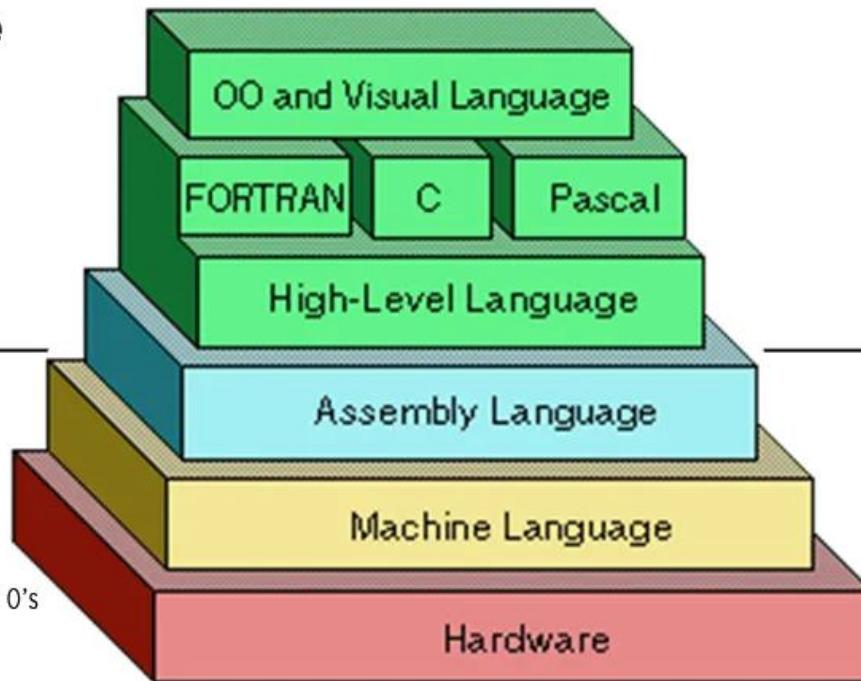
Evolução linguagens de programação

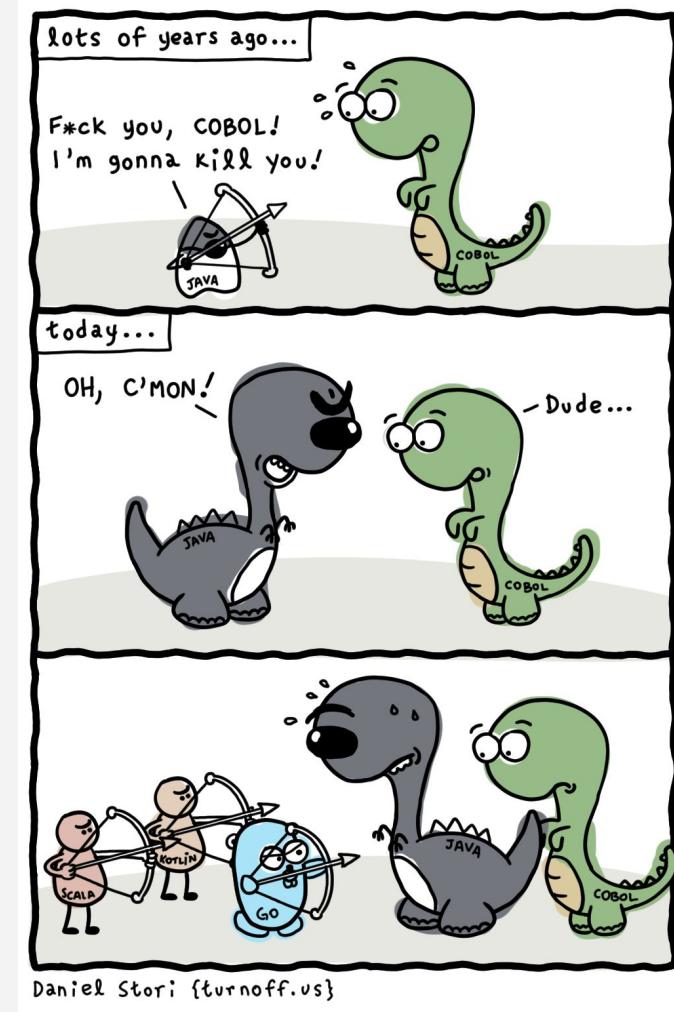
High Level Language

- Easy for Programmers to understand
- Contains English Words

Low Level Languages

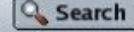
- The computer's own Language
- Binary numbers, in 1's and 0's





WikiWikiWeb - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Stop Refresh Search  

PHP **wiki** **WikiWikiWeb**

A [WikiWikiWeb](#) is a site where everyone can collaborate on the content. The most well-known and widely used Wiki is the Portland Pattern Repository at <http://c2.com/cgi-bin/wiki?WikiWikiWeb>.

I found these statements there particularly relevant:

The point is to make the [EditText](#) form simple and the [FindPage](#) search fast.

In addition to being quick, this site also aspires to Zen ideals generally labeled [WabiSabi](#). Zen finds beauty in the imperfect and ephemeral. When it comes down to it, that's all you need.

You can say hello on [RecentVisitors](#), or read about [HowToUseWiki](#) and [AddingPages](#). Go ahead, join the discussion, play with it, and have fun!

--[SteveWainstead](#)

[EditText](#) of this page (last edited November 6, 2000) [[info](#)] [[diff](#))

[FindPage](#) by browsing or searching

5 best incoming links: [HowToUseWiki](#) (13), [FrontPage](#) (9), [SteveWainstead](#) (9), [RecentChanges](#) (6), [MoreAboutMechanics](#) (4)

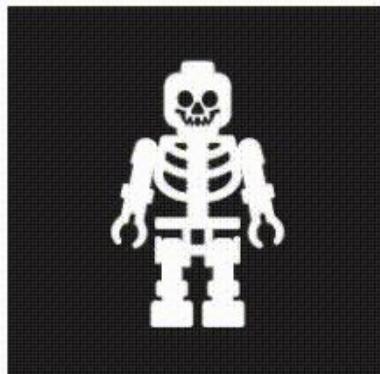
5 best outgoing links: [AddingPages](#) (15), [HowToUseWiki](#) (13), [RecentVisitors](#) (11), [WabiSabi](#) (10), [SteveWainstead](#) (9)

5 most popular nearby: [FrontPage](#) (5), [FindPage](#) (1), [MoreAboutMechanics](#) (1), [RecentChanges](#) (1)

🔍 Significado de cada arquivo:



HTML
structure



CSS
presentation/appearance



JavaScript
dynamism/action



[Novos](#) [Inclusões](#)[Cadê? Você](#) | [Download](#)[AQUI!](#) | [Cadê? Livros](#)[Cadê? Mail](#) [Veja](#)[Cadê? EnglishTown](#)

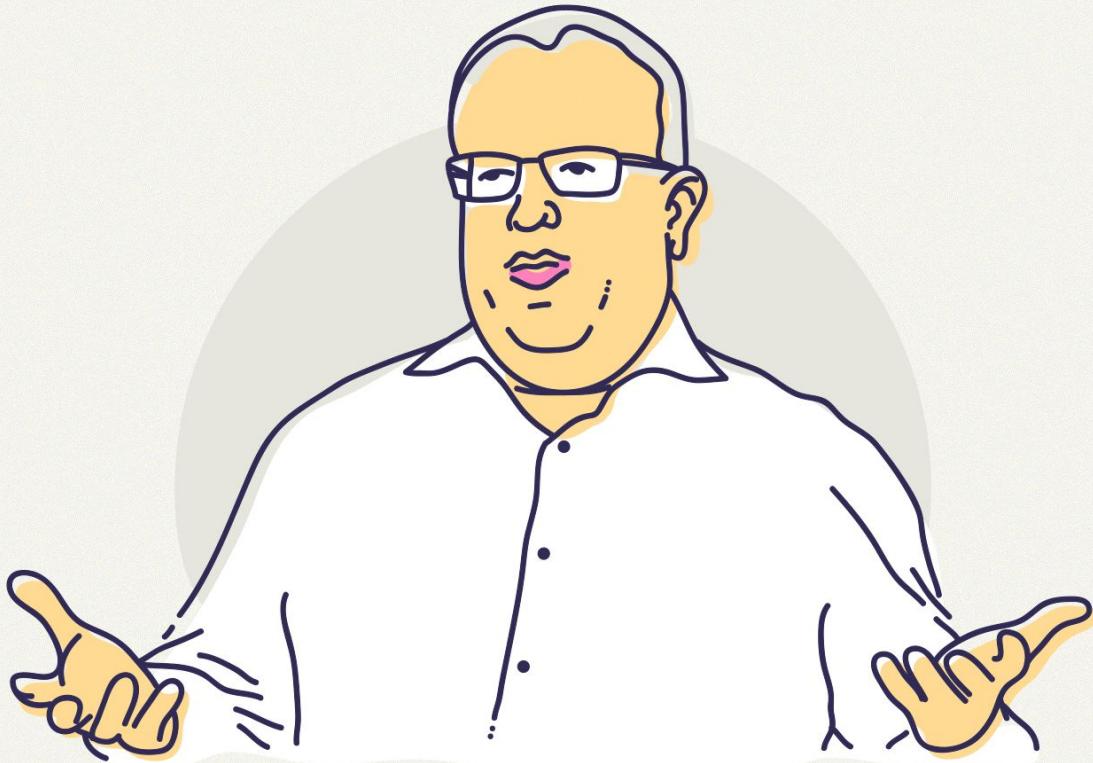
Consulta

Busca

[Opcões de busca](#)[Lojas Americanas - Clique Aqui!!!](#)

PUBLICIDADE

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ESTAVA EM ALTA
VELOCIDADE](#)[Mais quatro
desenhos no Cartoon](#)[Eliminatórias da
Copa começam
sábado](#)[Mais...](#)**Destaques**[Sinal dos Tempos
Internet, o sintoma
de uma Nova Era](#)[Febre Amarela
Um sério problema
colorido](#)[Comportamento
Como seremos no
próximo milênio?](#)





'94

'95

'98

'04

'09

'15

'16

'17





The Avengers
Stylish Action

SONY Pick the Flix

Click Here!

Over 2,600 DVDs to rent!



Armageddon

Arnold Schwarzenegger



Out of Sight

George Clooney, Jennifer Lopez



New Visitor Registration

Returning Visitor Check In

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FlixFinder >

Movie Title

Go!

Search
Tips

Featured DVDs for Sunday, January 17, 1999:



Blade

Rent It - \$4.00
[Remind Me!](#)

Wesley Snipes is **Blade**, a half-human, half-vampire sworn to protect humanity by wiping out bloodsucking evil wherever he finds it. Can he stop an ambitious vampire (**Stephen Dorff**) who plans to magically summon the "Blood God" and make the world an inhuman feast?

Check out more vampire tales like **Bram Stoker's Dracula** in our **Bloodsucking Blockbusters** Collection!

Six Days, Seven Nights

Rent It - \$4.00
[Remind Me!](#)

Six Days, Seven Nights sounds like a vacation—but when **Harrison Ford** and **Anne Heche** crash on a South Seas desert island, it's anything but fun in the sun. **Ivan Reitman** directed this castaway couple comedy, with **Ford** and **Heche** as an unlikely couple in paradise.

If you long to see more aching hearts, check out our **Complicated Couples** Collection for other great DVDs.



Young Cinematographer

The Mask of Zorro

[First Time to NetFlix.com?](#)

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Get a FREE DVD Rental from NetFlix.com. How? It's easy! The first DVD rental that you put into your shopping cart will be priced at \$0. [Let us tell you more!](#)

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Order your DVDs, and they arrive via mail in 2-3 days. Keep the DVDs for 7 full days. When you're finished, use the pre-addressed, pre-paid mailer, and drop them back in the mail. [Find out more!](#)

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- **NetFlix.com vs. DivX generation chart**



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6.106.962 membros

comunidade

Eu Odeio Acordar Cedo

[Participar da comunidade](#)

Comunidade particular

Você tem que [participar](#) desta comunidade para ler e criar tópicos e enquetes.

idioma: Português (Brasil)

criada em: 23/05/2004

categoria: Outros

local: Rio de Janeiro, RJ, Brasil

tipo: público

proprietário: José (Moderador)

visível por: apenas membros

moderadores: José (Moderador), Wilma

Smith..., Jean Kelvin Van Zant, Anselmo ,

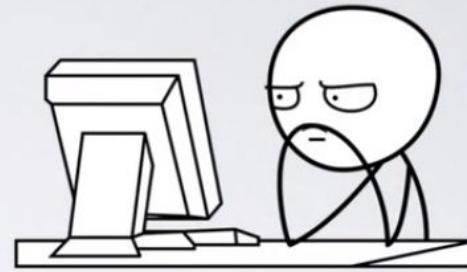
Adm Cmm, João Holden, Gabriel Skrilatt d(

__)b ツ

[ocultar perfil](#)



Server-Side



Client-Side



Javiscipto





The Avengers
Stylish Action

SONY Pick the Flix

[Click Here!](#)

Over 2,600 DVDs to rent!



The Easiest Way
to Rent a DVD!

Armageddon



Out of Sight



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FlixFinder ➤

Movie Title

Go! [Search Type]

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The Mask of Zorro

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It's The Easiest Way to Rent a DVD!

Order your DVDs, and they arrive via mail in 2-3 days. Keep the DVDs for 7 full days. When you're finished, use the pre-addressed, pre-paid mailer, and drop them back in the mail. [Find out more!](#)

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- Virtually all DVD titles! [Find them fast!](#)
- Earn \$55 as a [NetFlix.com Associate!](#)
- NetFlix.com vs. DivX comparison chart

Award-Winning TV Shows



Trending Now



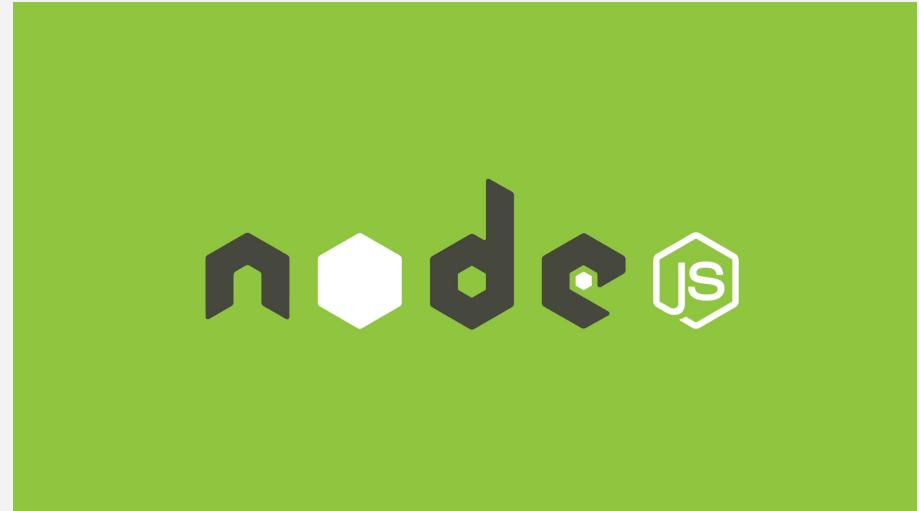
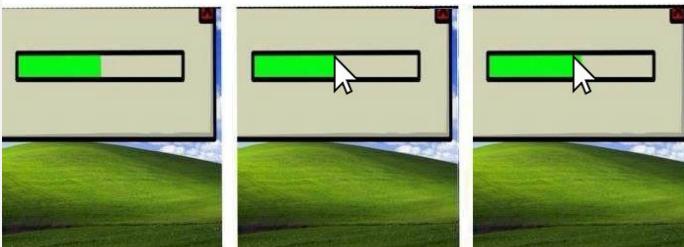
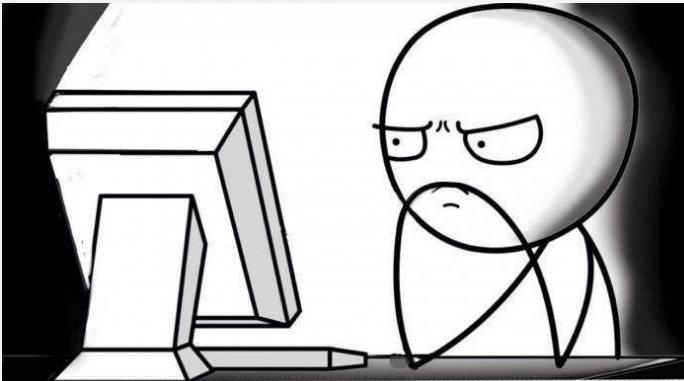
Critically Acclaimed TV Dramas



Top Picks for bm25







Tweet



Backend x Frontend

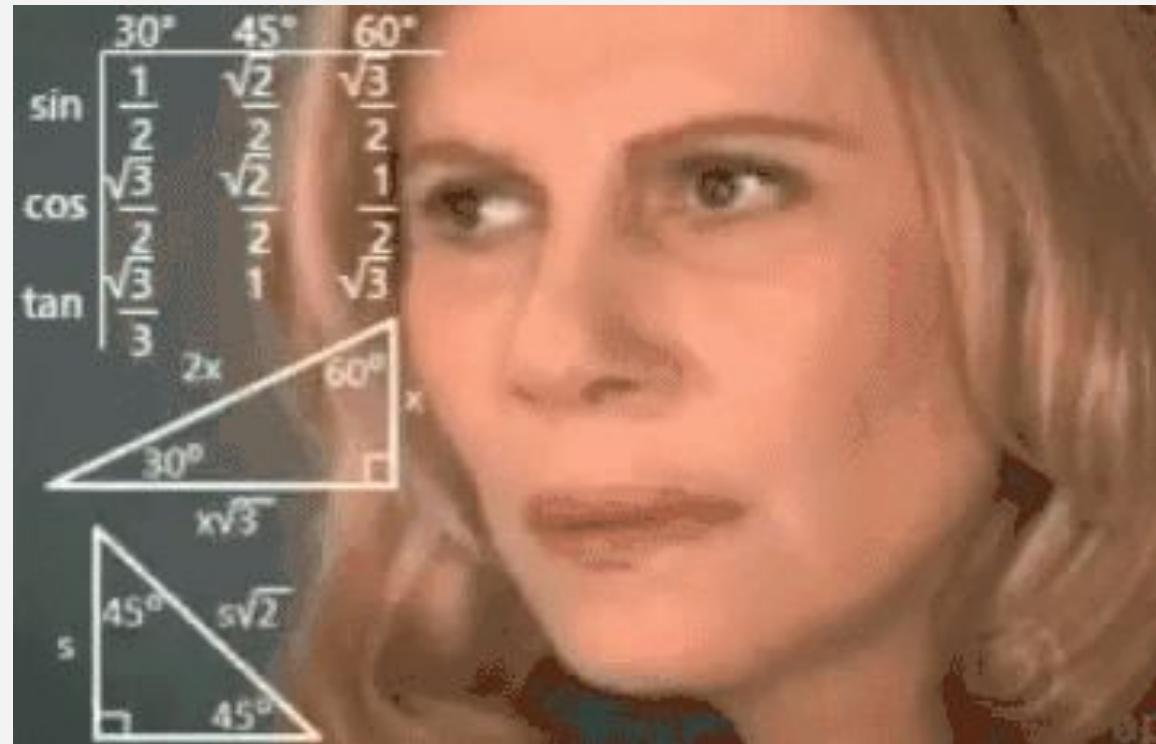
Comunicação/Protocolo HTTP

Evolução Linguagens Programação

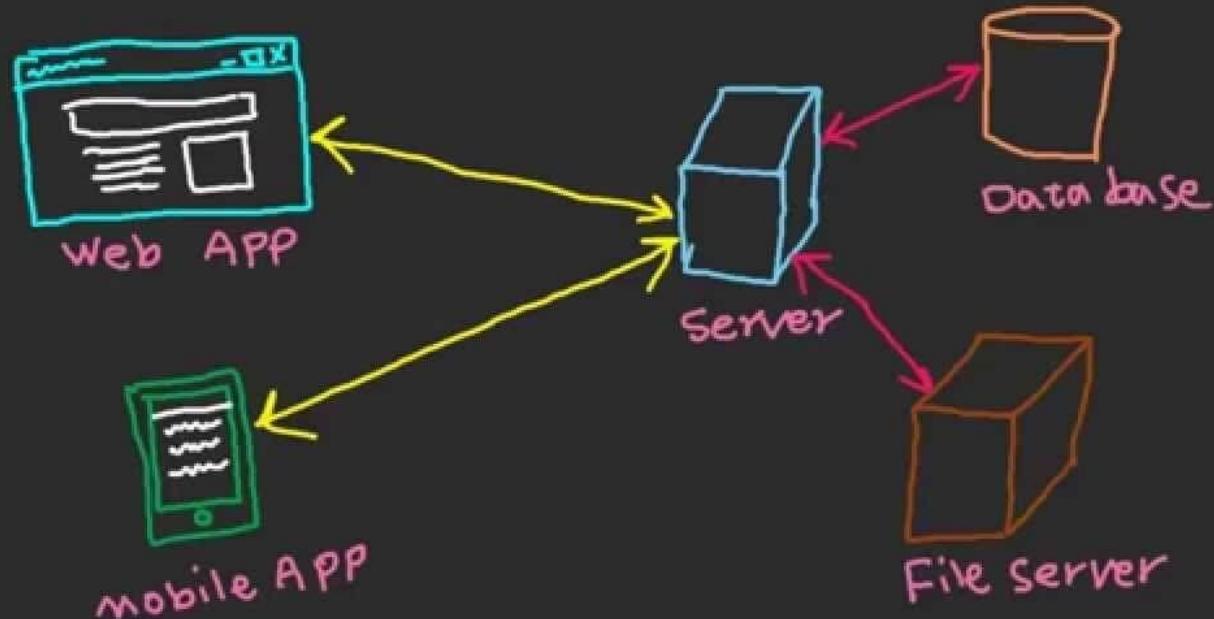
Javascript | Frontend

Javascript | Backend

E ai?



Front-End / Back-End



Entendi que posso conquistar o mundo... EPA



Como fazer isso?



Hackeando o Sistema!

Terminal/Prompt de Comando



Tweet



Backend x Frontend x **Mobile x**
Banco de Dados

Comunicação/Protocolo HTTP

Evolução Linguagens Programação

Javascript | Frontend

Javascript | Backend

Dúvidas?



Código fonte

Trabalhos derivados

Livre Redistribuição

Não discriminação

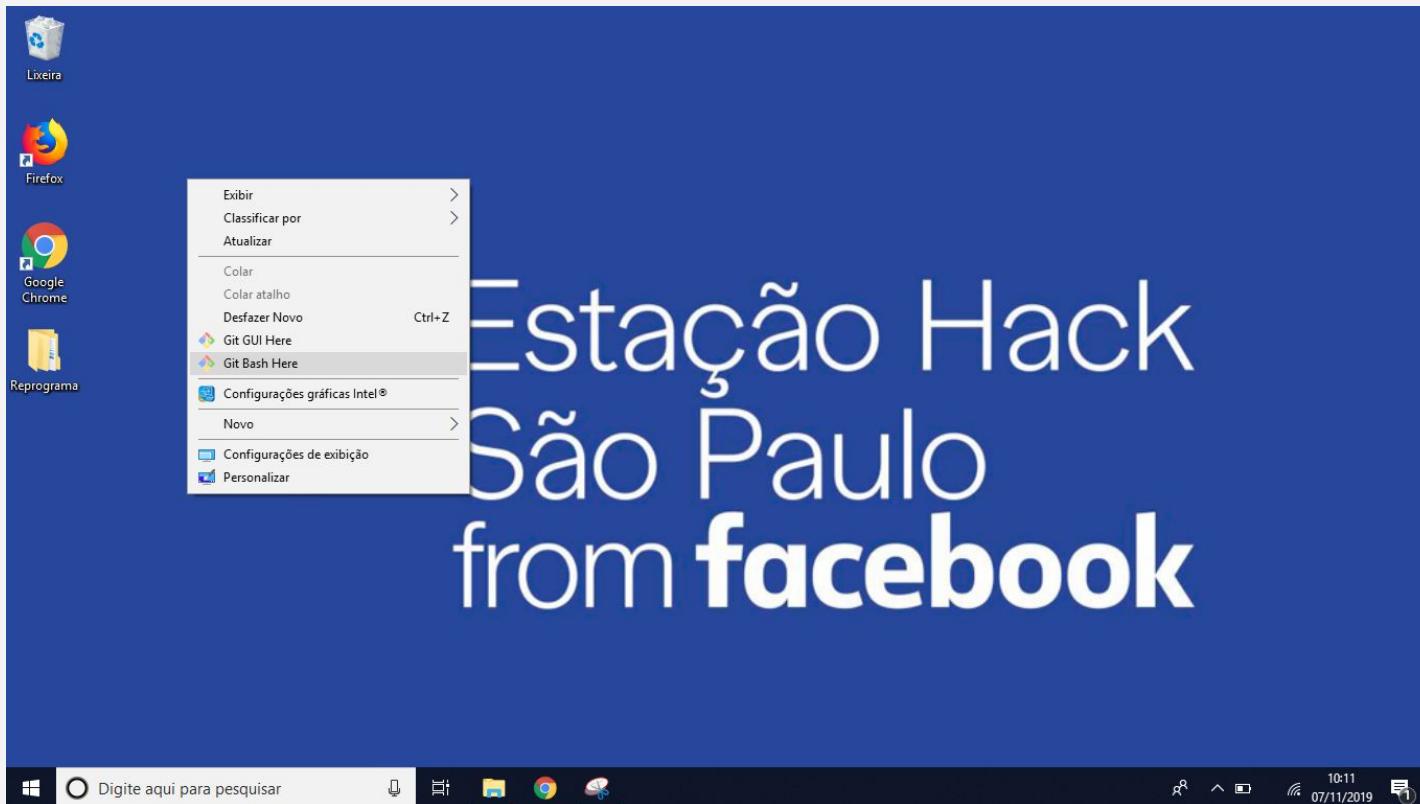
Comandos básicos com o Git Bash

Comandos básicos com Git Bash

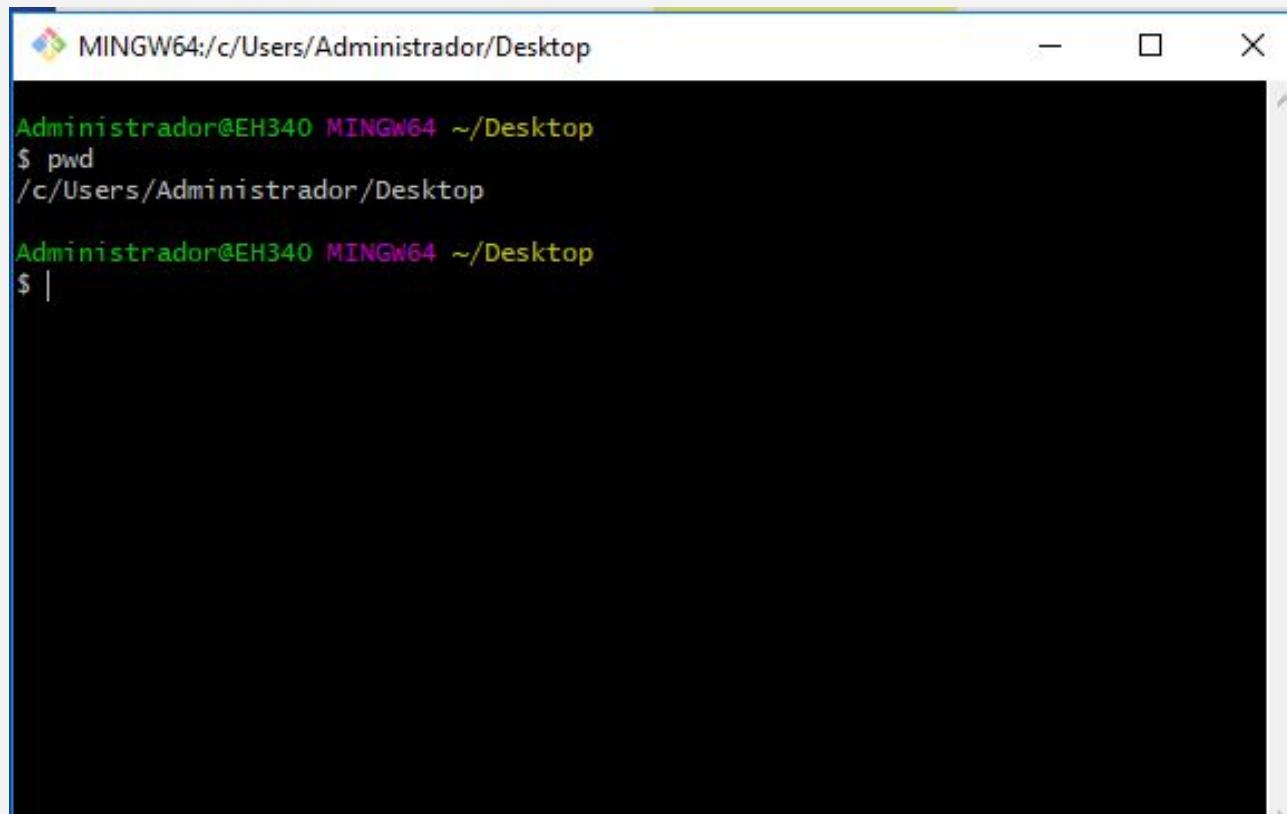
- **Verificar o caminho** onde se encontra
- **Listar** o que tem nesse lugar
- **Criar uma nova pasta**
- **Navegar** pela pasta
- **Criar um arquivo** dentro desta pasta
- **Deletar o arquivo**
- **Deletar a pasta**

Abrindo o Git Bash

Abrindo o Git Bash



Verificar o caminho onde se encontra: `pwd`

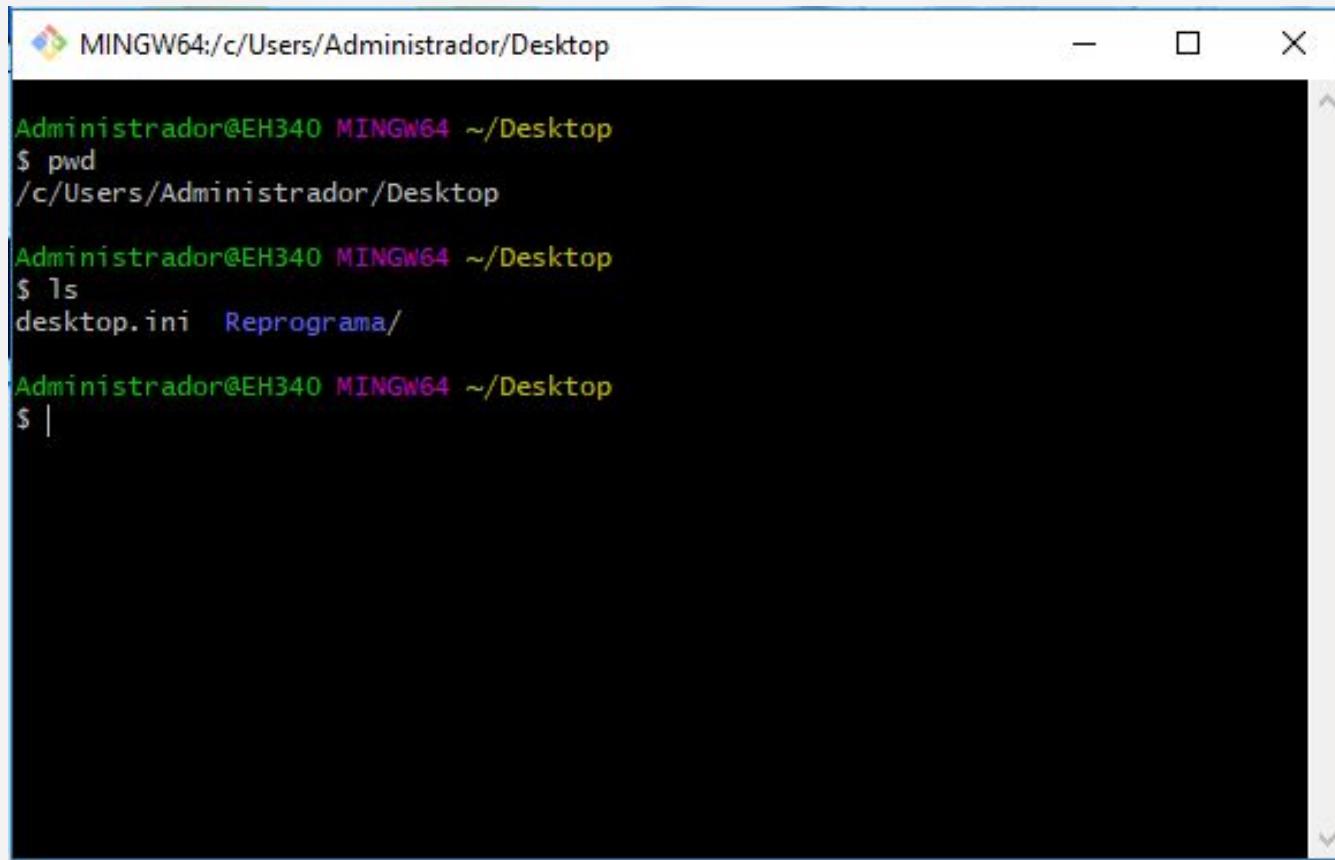


A screenshot of a terminal window titled "MINGW64:/c/Users/Administrador/Desktop". The window contains the following text:

```
Administrador@EH340 MINGW64 ~/Desktop
$ pwd
/c/Users/Administrador/Desktop

Administrador@EH340 MINGW64 ~/Desktop
$ |
```

Listar o que tem: ls



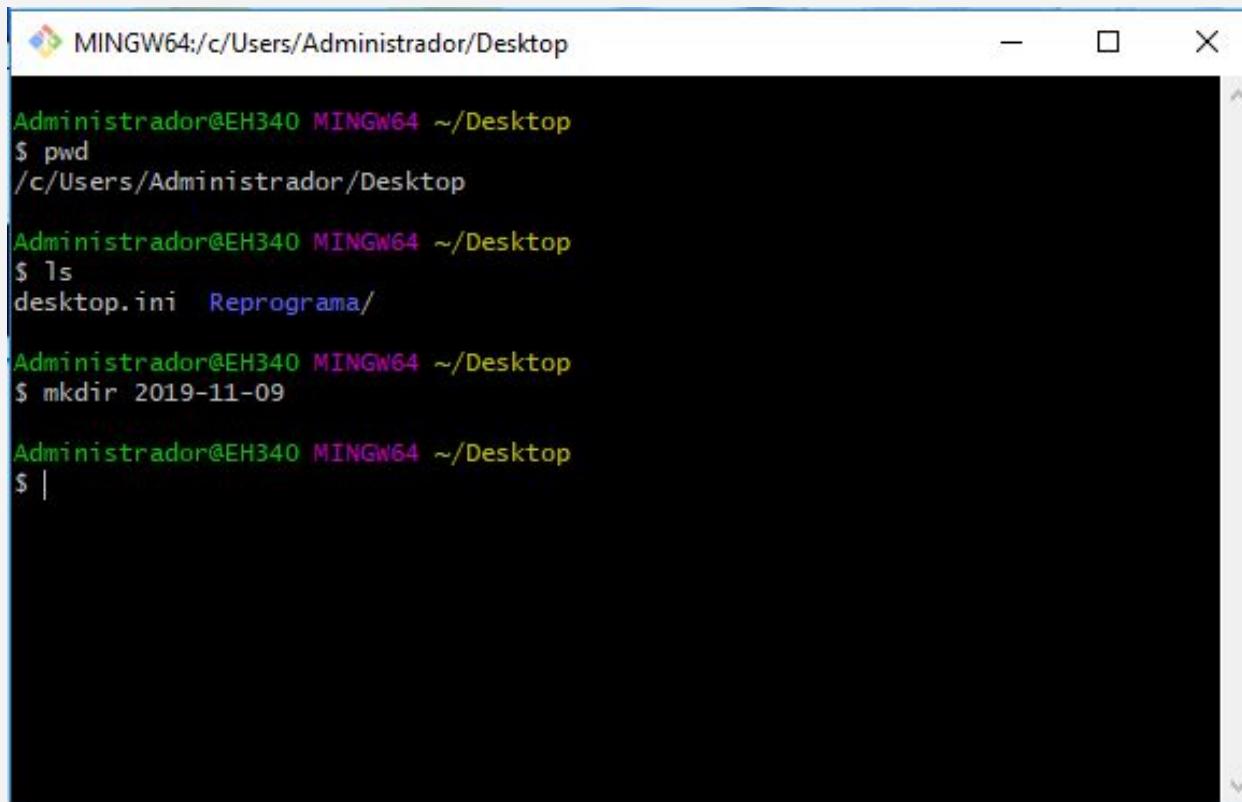
A screenshot of a terminal window titled "MINGW64:/c/Users/Administrador/Desktop". The window contains the following text:

```
Administrador@EH340 MINGW64 ~/Desktop
$ pwd
/c/Users/Administrador/Desktop

Administrador@EH340 MINGW64 ~/Desktop
$ ls
desktop.ini Reprograma/

Administrador@EH340 MINGW64 ~/Desktop
$ |
```

Criar uma pasta chamada 2020-08-09: mkdir



A screenshot of a terminal window titled "MINGW64:/c/Users/Administrador/Desktop". The window contains the following command history:

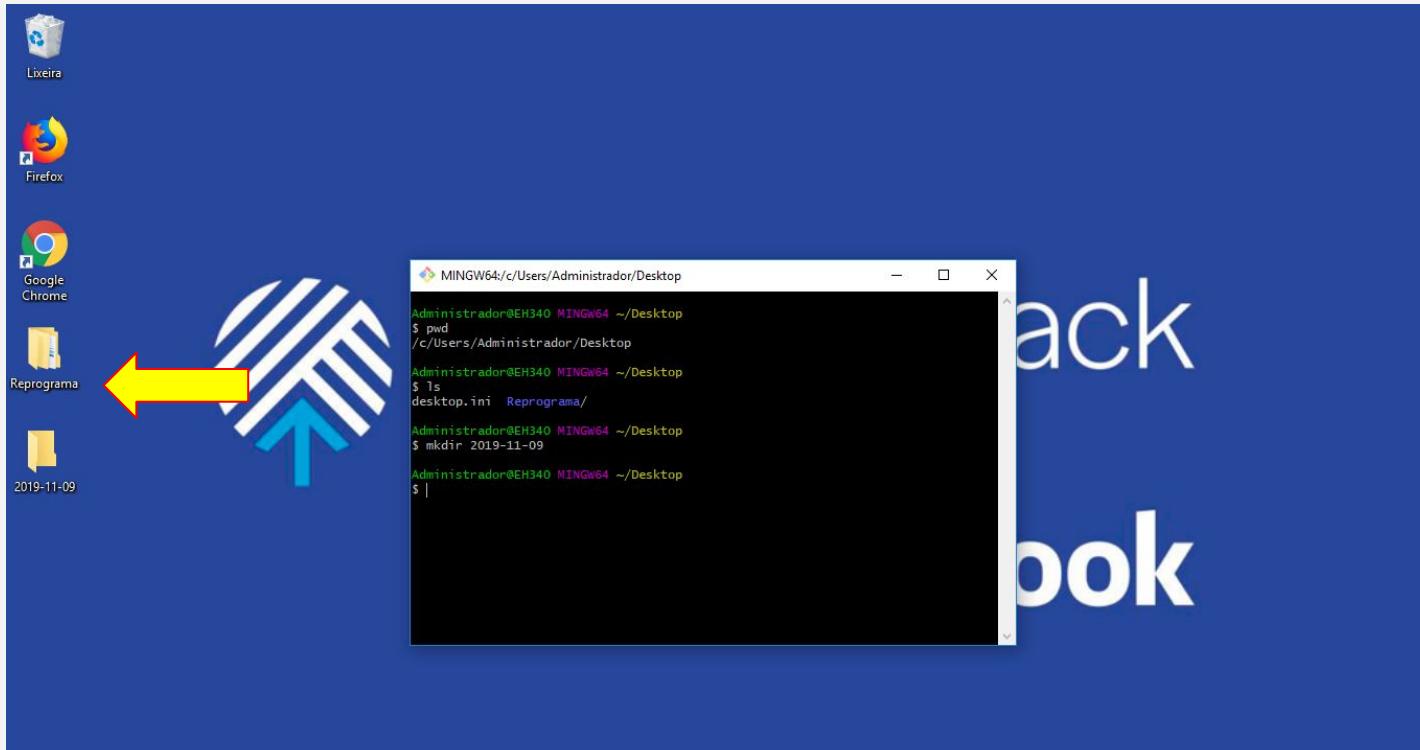
```
Administrador@EH340 MINGW64 ~/Desktop
$ pwd
/c/Users/Administrador/Desktop

Administrador@EH340 MINGW64 ~/Desktop
$ ls
desktop.ini Reprograma/

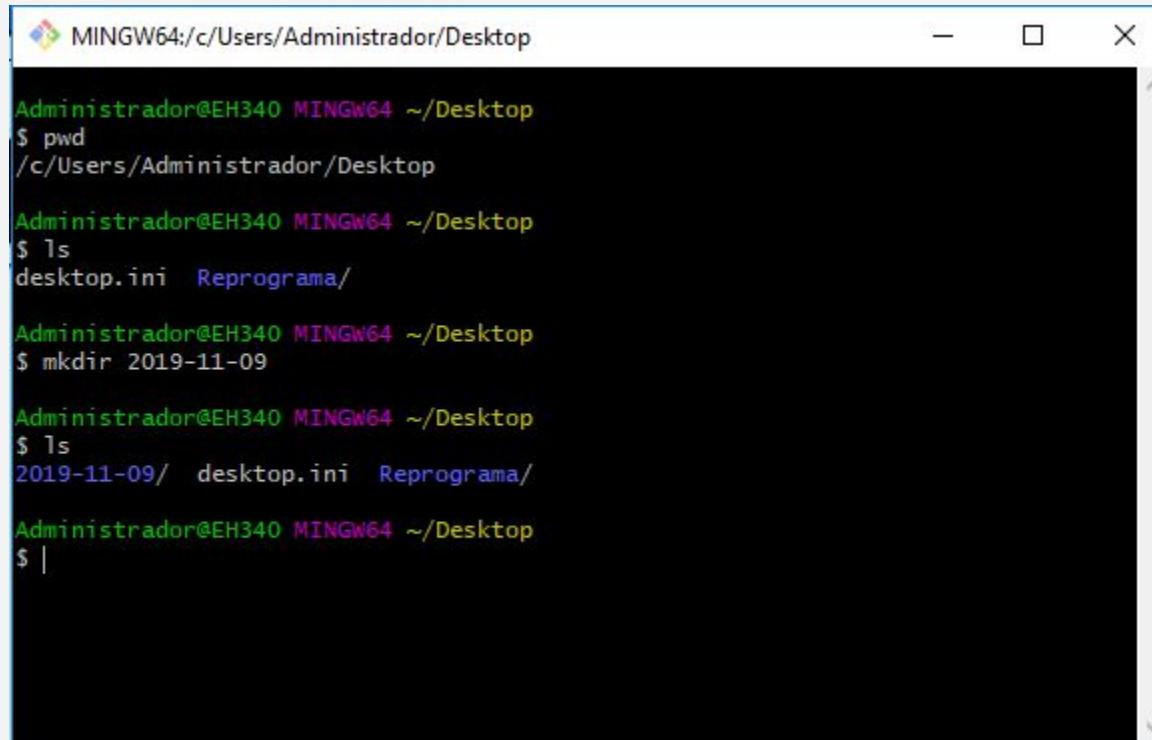
Administrador@EH340 MINGW64 ~/Desktop
$ mkdir 2019-11-09

Administrador@EH340 MINGW64 ~/Desktop
$ |
```

Verificando que a pasta foi criada no Desktop



Verificando pelo terminal: ls



A screenshot of a terminal window titled "MINGW64:/c/Users/Administrador/Desktop". The window contains the following command-line session:

```
Administrador@EH340 MINGW64 ~/Desktop
$ pwd
/c/Users/Administrador/Desktop

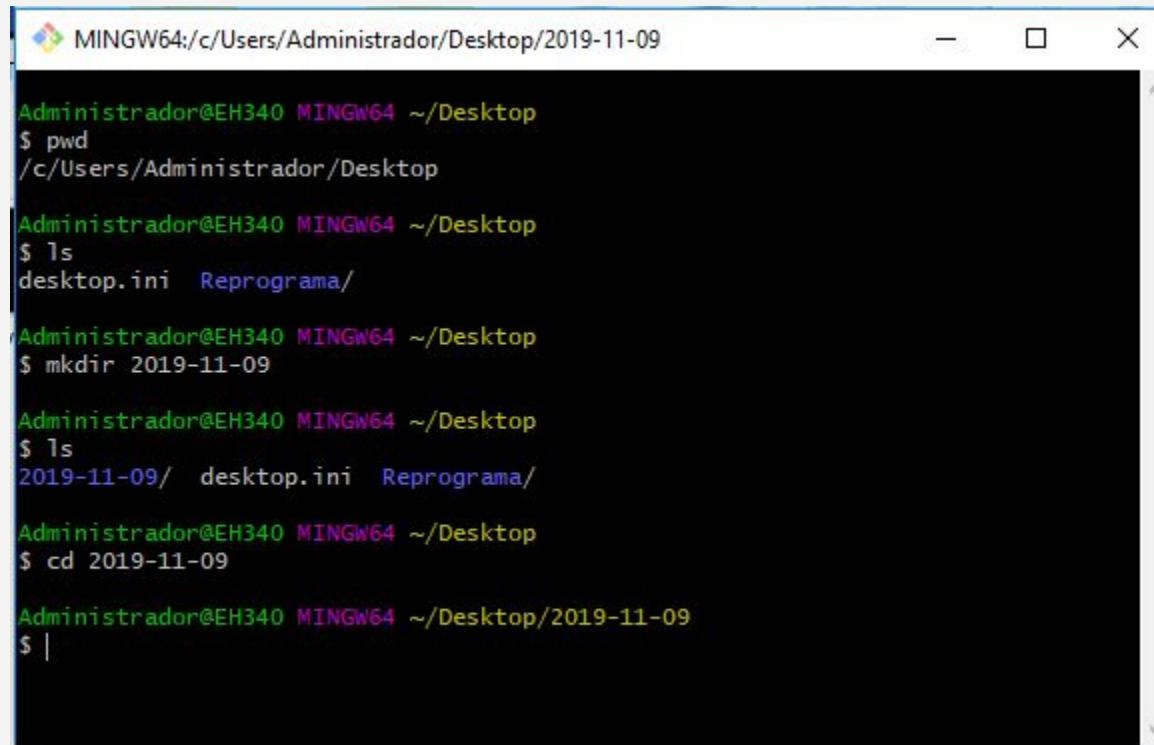
Administrador@EH340 MINGW64 ~/Desktop
$ ls
desktop.ini Reprograma/

Administrador@EH340 MINGW64 ~/Desktop
$ mkdir 2019-11-09

Administrador@EH340 MINGW64 ~/Desktop
$ ls
2019-11-09/ desktop.ini Reprograma/

Administrador@EH340 MINGW64 ~/Desktop
$ |
```

Navegar para dentro da pasta criada: cd



The screenshot shows a terminal window titled "MINGW64:/c/Users/Administrador/Desktop/2019-11-09". The terminal history is as follows:

```
Administrador@EH340 MINGW64 ~/Desktop
$ pwd
/c/Users/Administrador/Desktop

Administrador@EH340 MINGW64 ~/Desktop
$ ls
desktop.ini Reprograma/

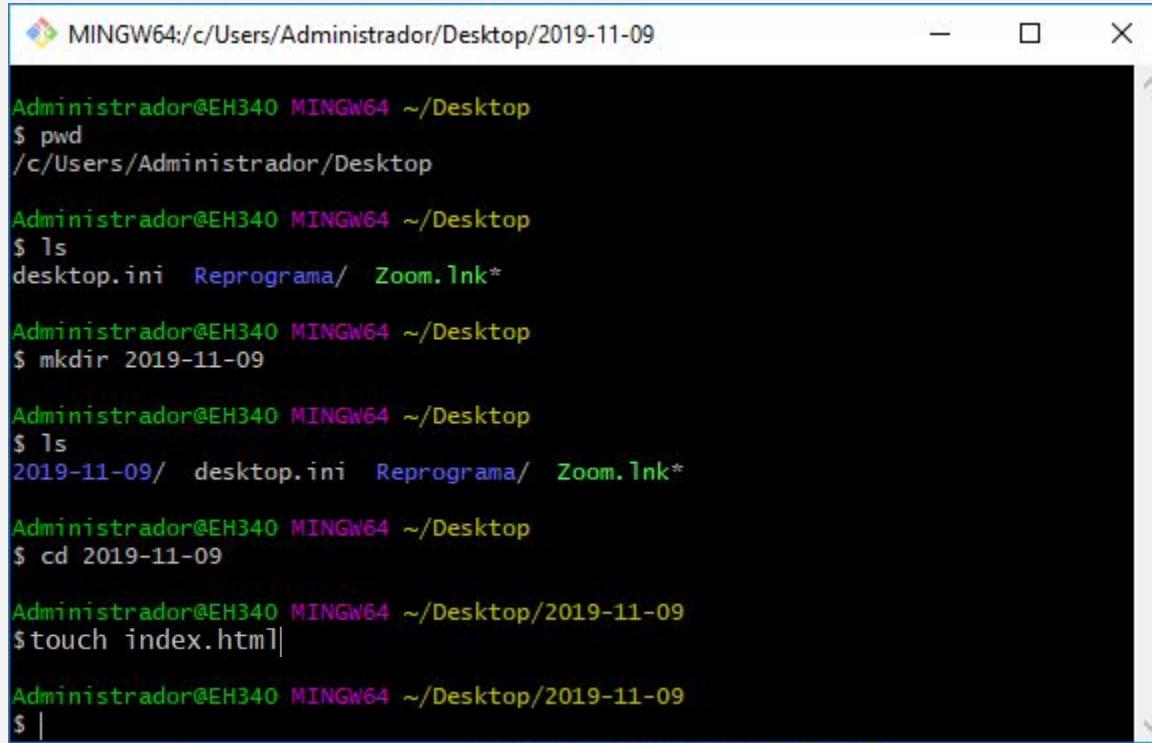
Administrador@EH340 MINGW64 ~/Desktop
$ mkdir 2019-11-09

Administrador@EH340 MINGW64 ~/Desktop
$ ls
2019-11-09/ desktop.ini Reprograma/

Administrador@EH340 MINGW64 ~/Desktop
$ cd 2019-11-09

Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ |
```

Criar um arquivo chamado index.html: touch



```
MINGW64:/c/Users/Administrador/Desktop/2019-11-09
Administrador@EH340 MINGW64 ~/Desktop
$ pwd
/c/Users/Administrador/Desktop

Administrador@EH340 MINGW64 ~/Desktop
$ ls
desktop.ini Reprograma/ Zoom.lnk*

Administrador@EH340 MINGW64 ~/Desktop
$ mkdir 2019-11-09

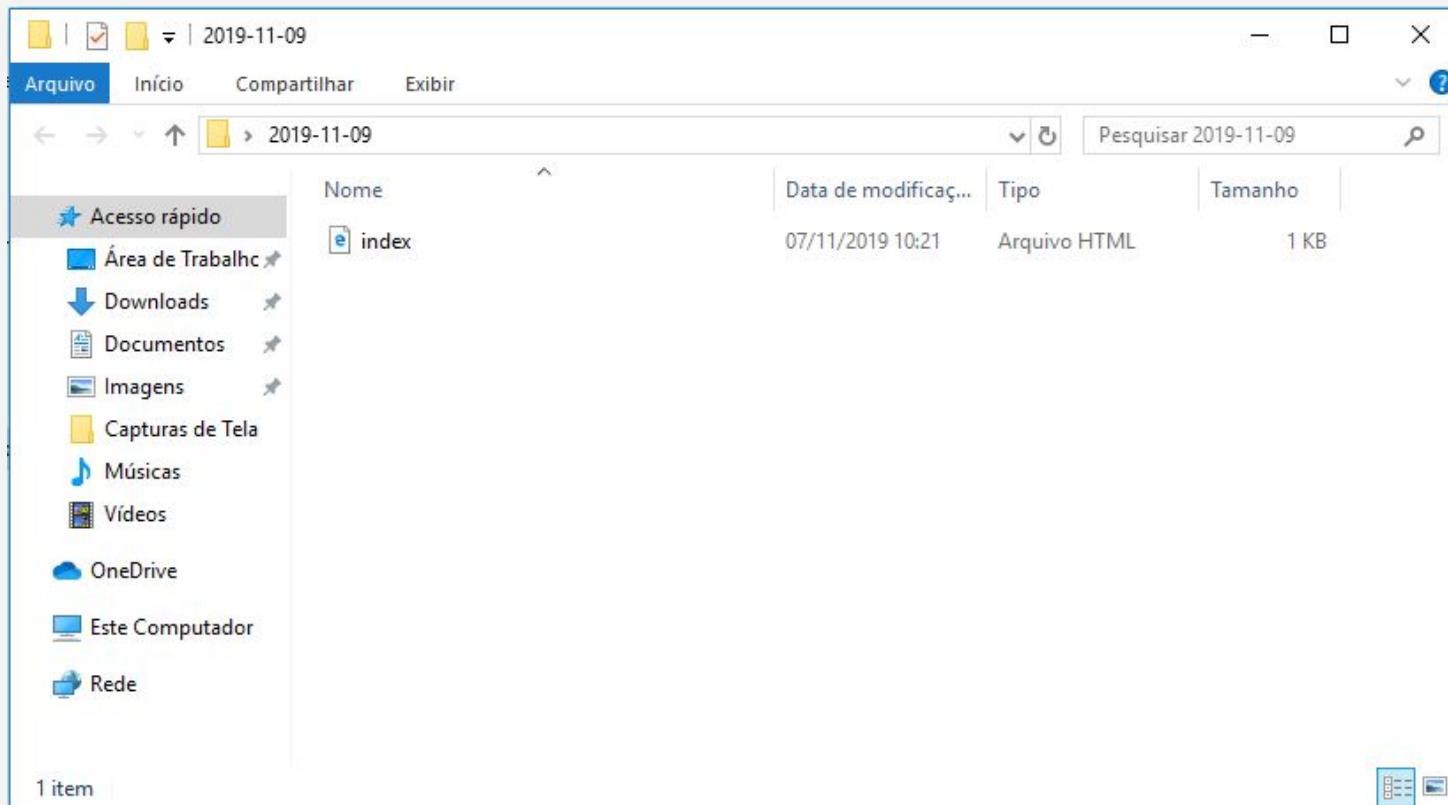
Administrador@EH340 MINGW64 ~/Desktop
$ ls
2019-11-09/ desktop.ini Reprograma/ Zoom.lnk*

Administrador@EH340 MINGW64 ~/Desktop
$ cd 2019-11-09

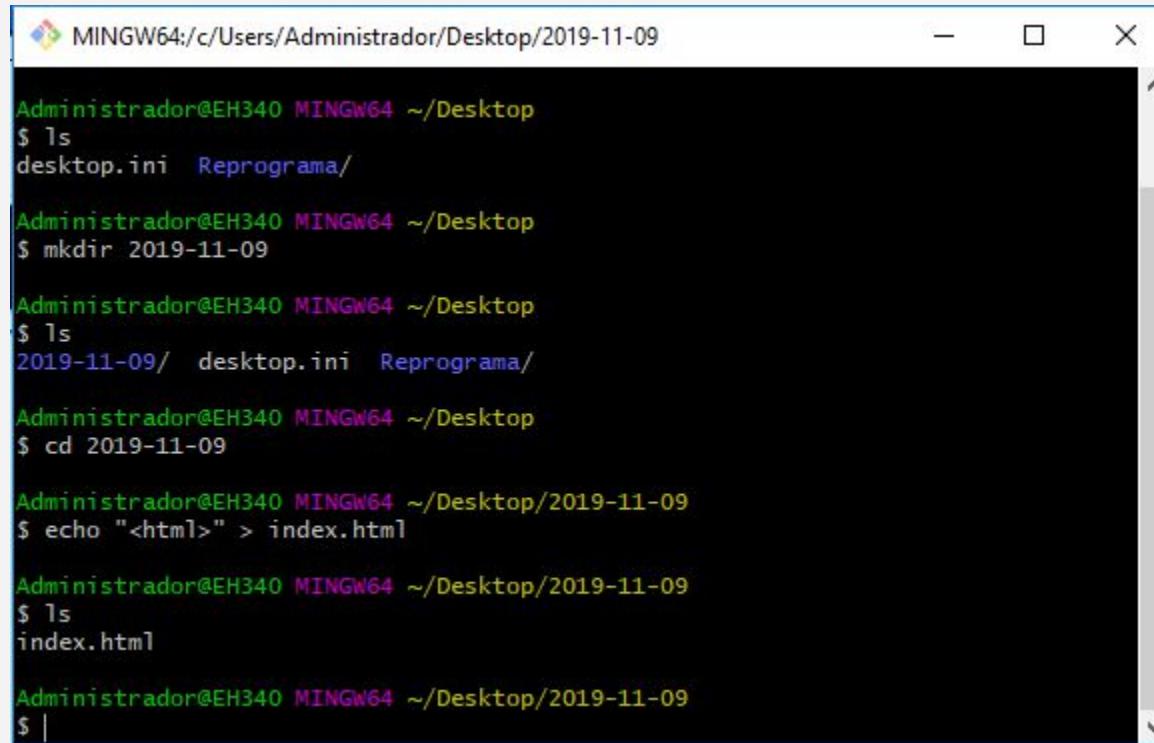
Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ touch index.html

Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ |
```

Visualizando pelo Desktop:



Visualizando pelo terminal: ls



A screenshot of a terminal window titled "MINGW64:/c/Users/Administrador/Desktop/2019-11-09". The window shows a command-line session where the user creates a directory and lists its contents.

```
Administrador@EH340 MINGW64 ~/Desktop
$ ls
desktop.ini Reprograma/

Administrador@EH340 MINGW64 ~/Desktop
$ mkdir 2019-11-09

Administrador@EH340 MINGW64 ~/Desktop
$ ls
2019-11-09/ desktop.ini Reprograma/

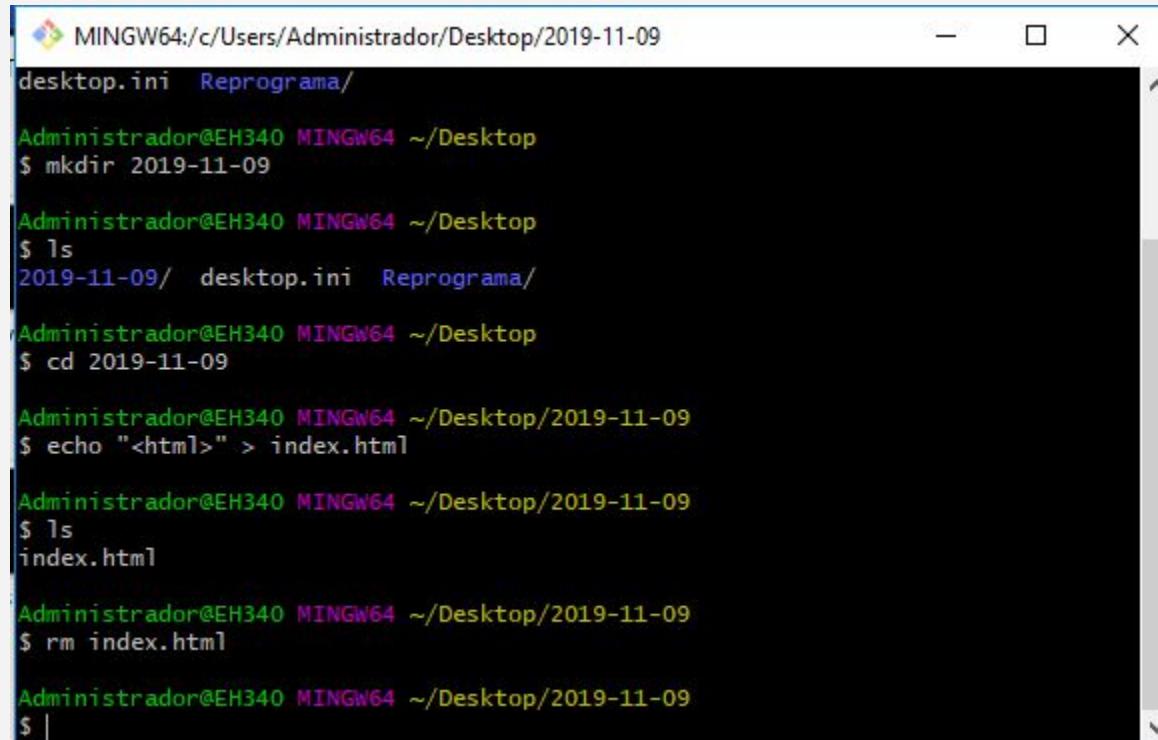
Administrador@EH340 MINGW64 ~/Desktop
$ cd 2019-11-09

Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ echo "<html>" > index.html

Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ ls
index.html

Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ |
```

Deletando o arquivo criado: rm



The screenshot shows a terminal window titled "MINGW64:/c/Users/Administrador/Desktop/2019-11-09". The terminal history is as follows:

```
desktop.ini Reprograma/
Administrador@EH340 MINGW64 ~/Desktop
$ mkdir 2019-11-09

Administrador@EH340 MINGW64 ~/Desktop
$ ls
2019-11-09/ desktop.ini Reprograma/

Administrador@EH340 MINGW64 ~/Desktop
$ cd 2019-11-09

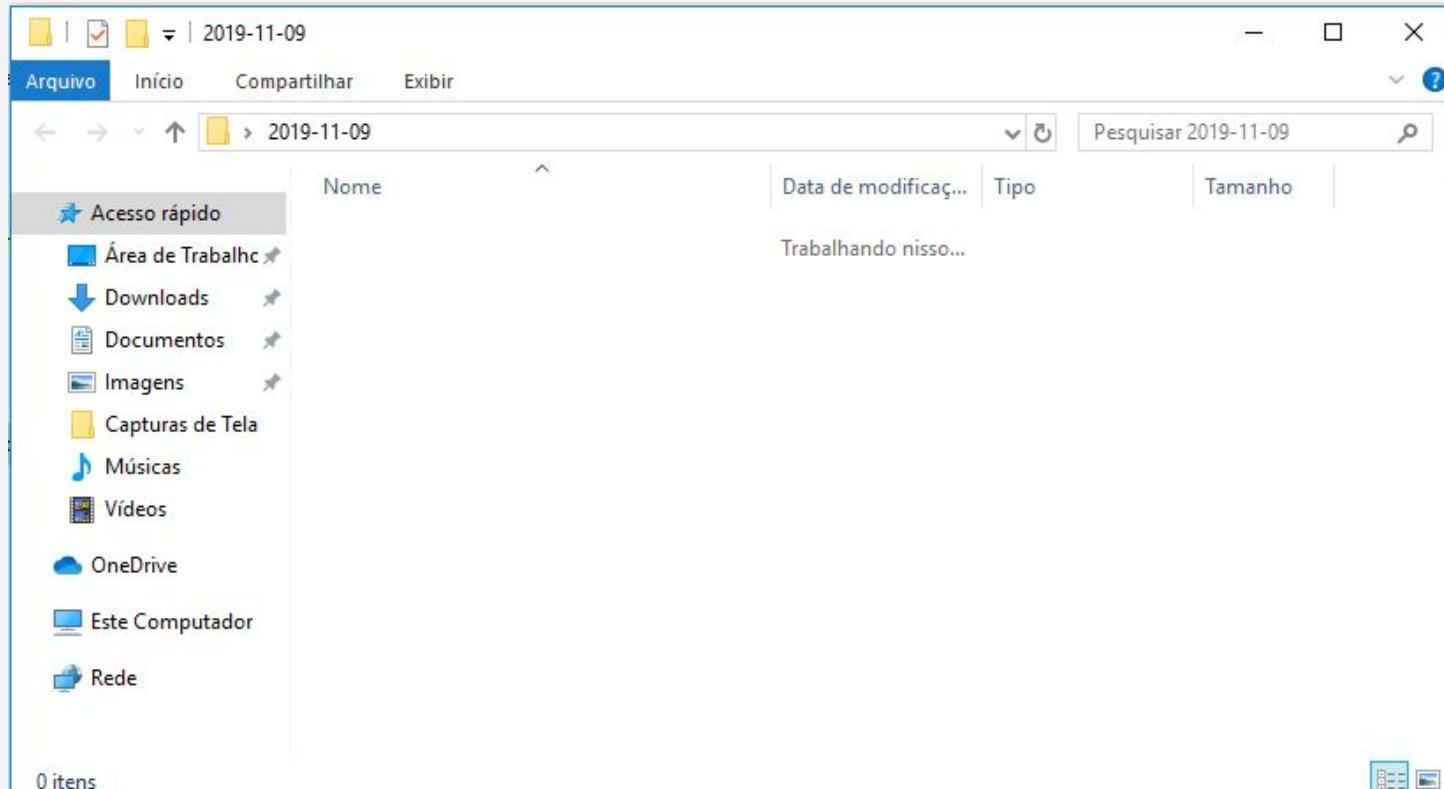
Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ echo "<html>" > index.html

Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ ls
index.html

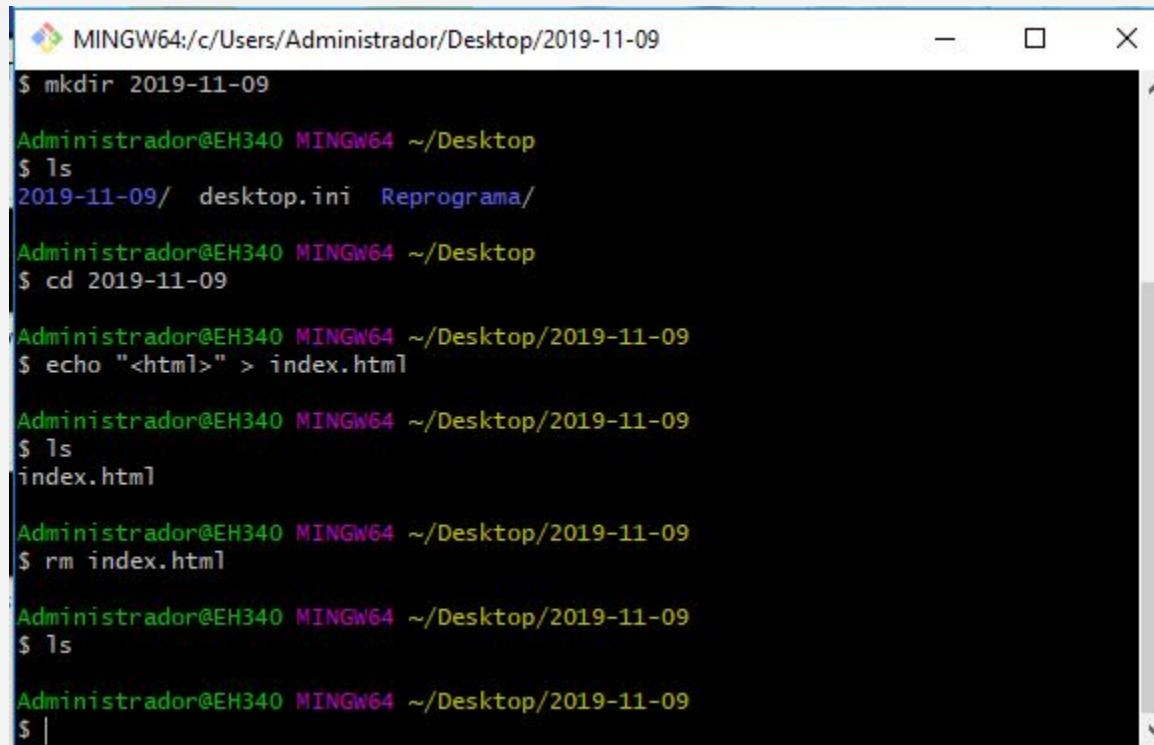
Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ rm index.html

Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ |
```

Verificando pelo Desktop que o arquivo foi apagado:

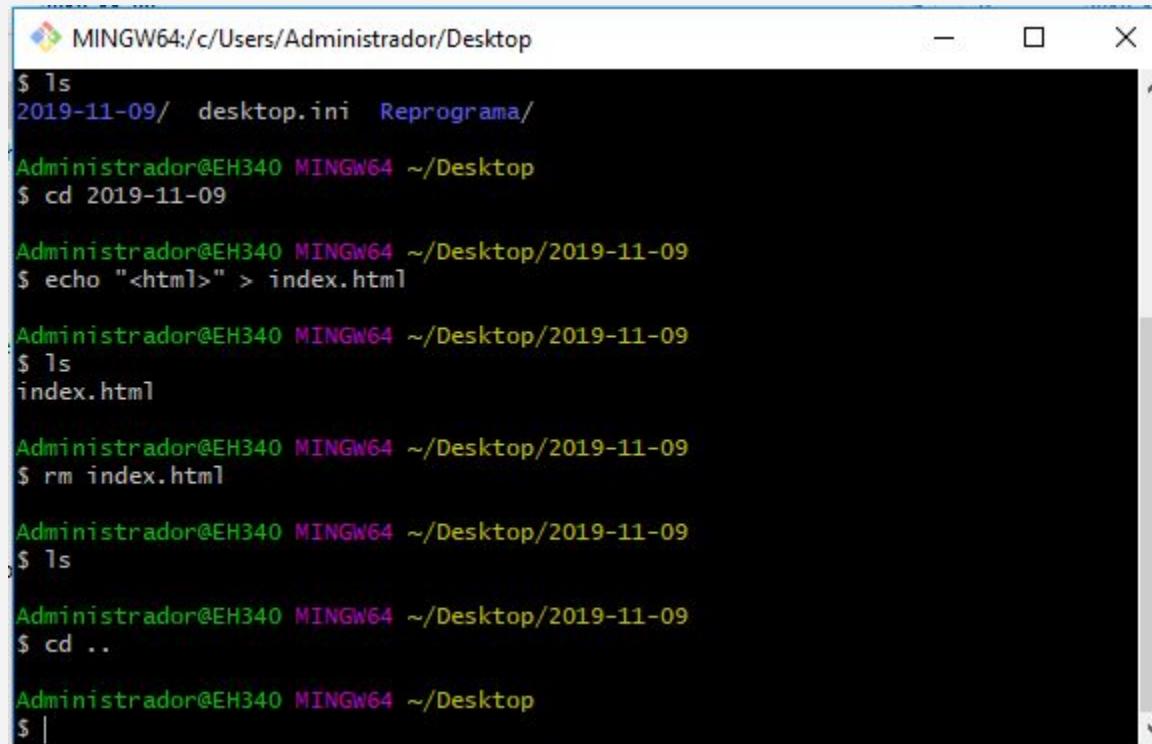


Verificando pelo terminal: ls



```
MINGW64:/c/Users/Administrador/Desktop/2019-11-09
$ mkdir 2019-11-09
Administrador@EH340 MINGW64 ~/Desktop
$ ls
2019-11-09/ desktop.ini Reprograma/
Administrador@EH340 MINGW64 ~/Desktop
$ cd 2019-11-09
Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ echo "<html>" > index.html
Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ ls
index.html
Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ rm index.html
Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ ls
$ |
```

Voltando para uma pasta acima: cd ..



```
MINGW64:/c/Users/Administrador/Desktop
$ ls
2019-11-09/ desktop.ini Reprograma/
Administrador@EH340 MINGW64 ~/Desktop
$ cd 2019-11-09

Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ echo "<html>" > index.html

Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ ls
index.html

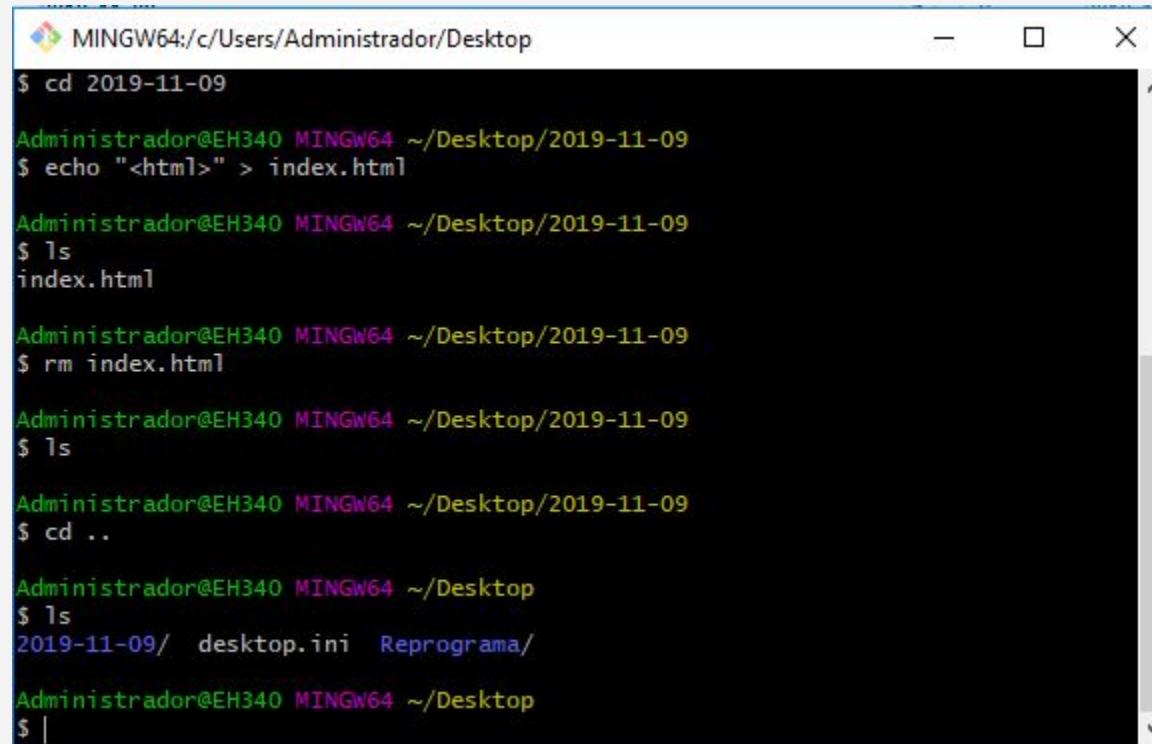
Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ rm index.html

Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ ls

Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ cd ..

Administrador@EH340 MINGW64 ~/Desktop
$ |
```

Listando o que temos: ls



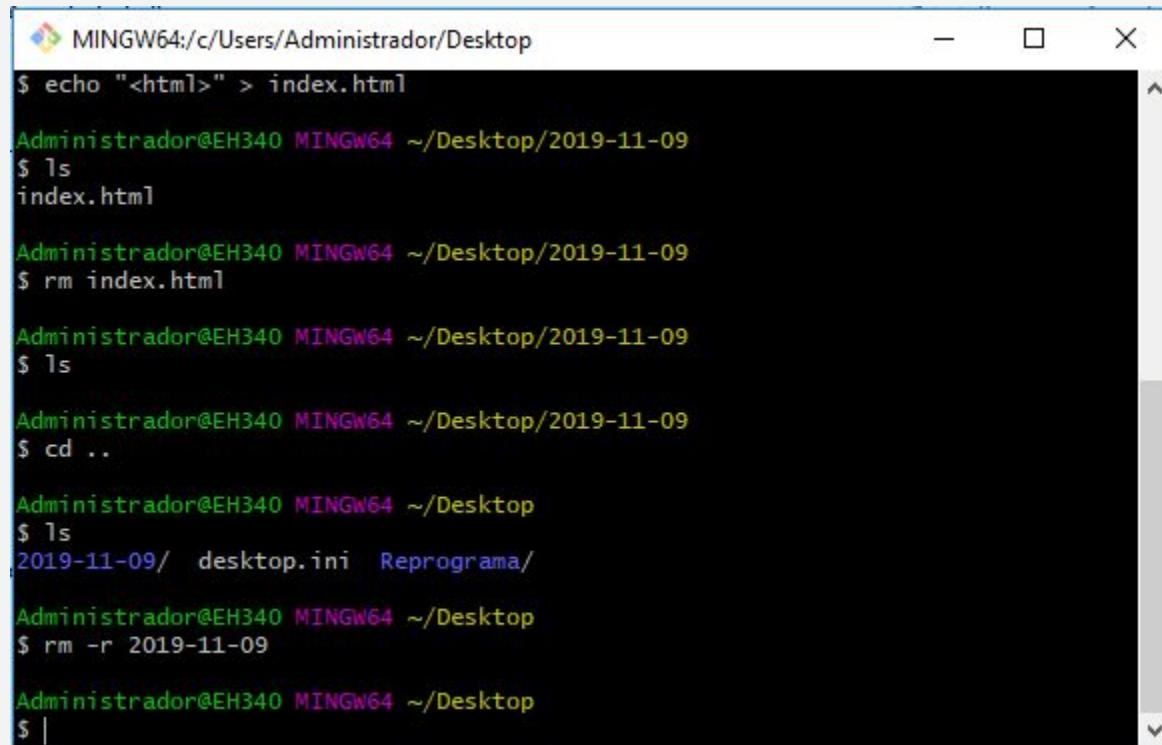
The screenshot shows a terminal window titled "MINGW64:/c/Users/Administrador/Desktop". The terminal history is as follows:

```
$ cd 2019-11-09
Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ echo "<html>" > index.html
Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ ls
index.html

Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ rm index.html

Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ ls
Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ cd ..
Administrador@EH340 MINGW64 ~/Desktop
$ ls
2019-11-09/ desktop.ini Reprograma/
Administrador@EH340 MINGW64 ~/Desktop
$ |
```

Remover a pasta que criamos antes: rm -r



The screenshot shows a terminal window titled "MINGW64:/c/Users/Administrador/Desktop". The terminal history is as follows:

```
$ echo "<html>" > index.html
Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ ls
index.html

Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ rm index.html

Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ ls

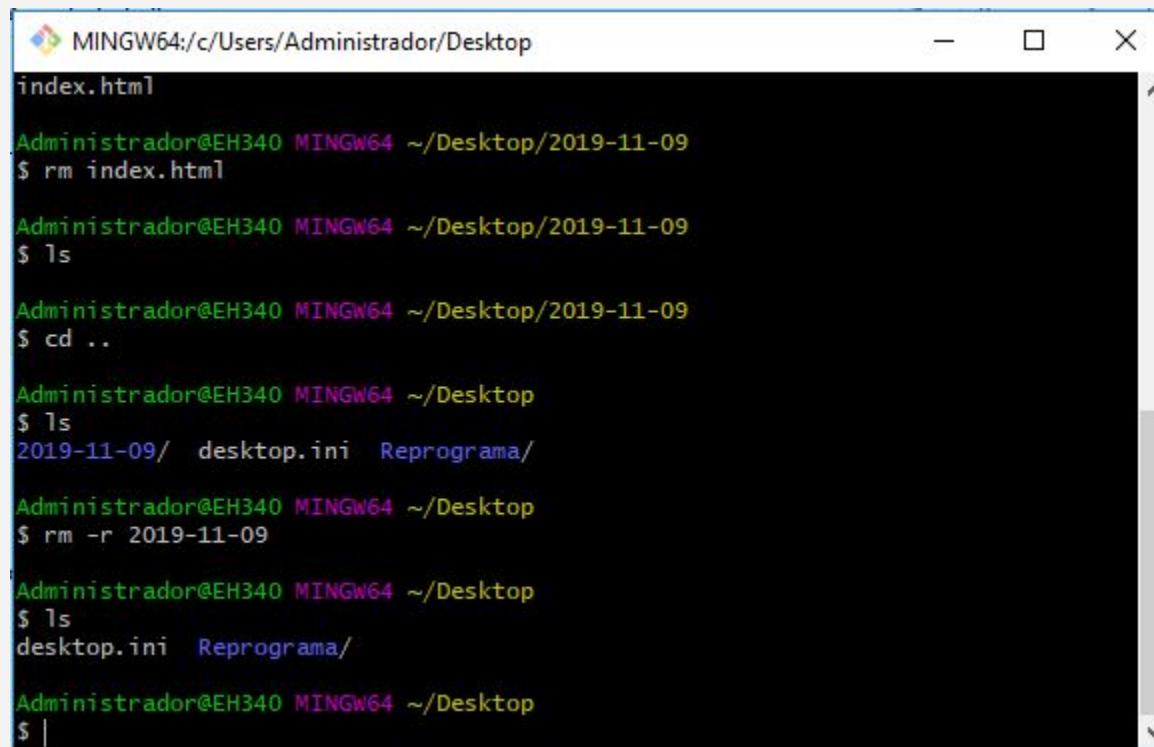
Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ cd ..

Administrador@EH340 MINGW64 ~/Desktop
$ ls
2019-11-09/ desktop.ini Reprograma/

Administrador@EH340 MINGW64 ~/Desktop
$ rm -r 2019-11-09

Administrador@EH340 MINGW64 ~/Desktop
$ |
```

Verificar: ls



The screenshot shows a terminal window titled "MINGW64:/c/Users/Administrador/Desktop". The terminal history is as follows:

```
index.html
Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ rm index.html

Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ ls

Administrador@EH340 MINGW64 ~/Desktop/2019-11-09
$ cd ..

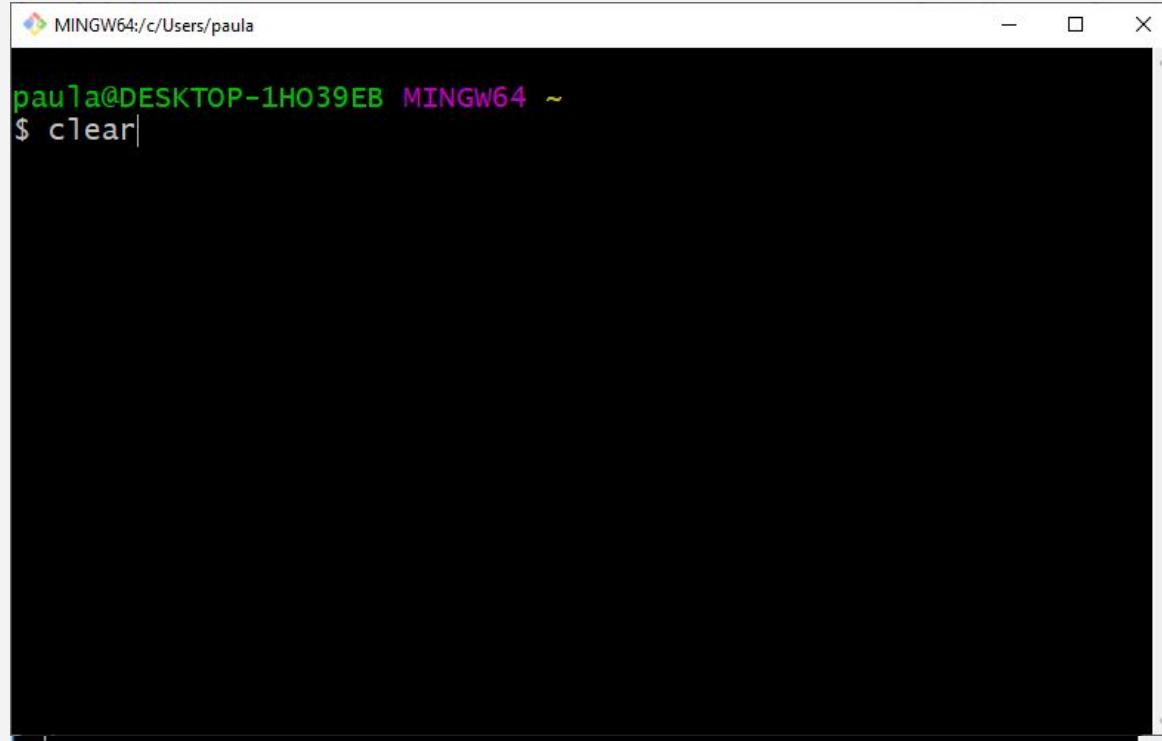
Administrador@EH340 MINGW64 ~/Desktop
$ ls
2019-11-09/ desktop.ini Reprograma/

Administrador@EH340 MINGW64 ~/Desktop
$ rm -r 2019-11-09

Administrador@EH340 MINGW64 ~/Desktop
$ ls
desktop.ini Reprograma/

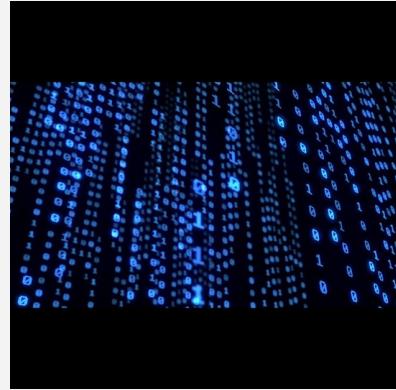
Administrador@EH340 MINGW64 ~/Desktop
$ |
```

Limpar a tela: clear



A screenshot of a terminal window titled "MINGW64:/c/Users/paula". The window shows the command line prompt "paula@DESKTOP-1HO39EB MINGW64 ~" followed by the command "\$ clear|". The terminal window has a dark background and a light-colored border. The title bar includes standard window controls (minimize, maximize, close).

```
paula@DESKTOP-1HO39EB MINGW64 ~
$ clear|
```



Parabéns!
Usamos o terminal Git Bash :)



Tweet



- `pwd`: caminho
- `ls`: lista
- `mkdir`: cria nova pasta
- `cd`: entrar e sair de diretórios
- `cd ..`: voltar uma pasta acima
- `touch`: cria arquivo
- `rm`: deleta um arquivo
- `rm -r` ou `rm --recursive`: deleta uma pasta
- `clear`: limpa a tela

Dúvidas?

Configuração de autoria no Git

Git precisa saber seu nome e seu e-mail

- Comando para dizer qual seu nome:

```
git config --global user.name "Seu nome"
```

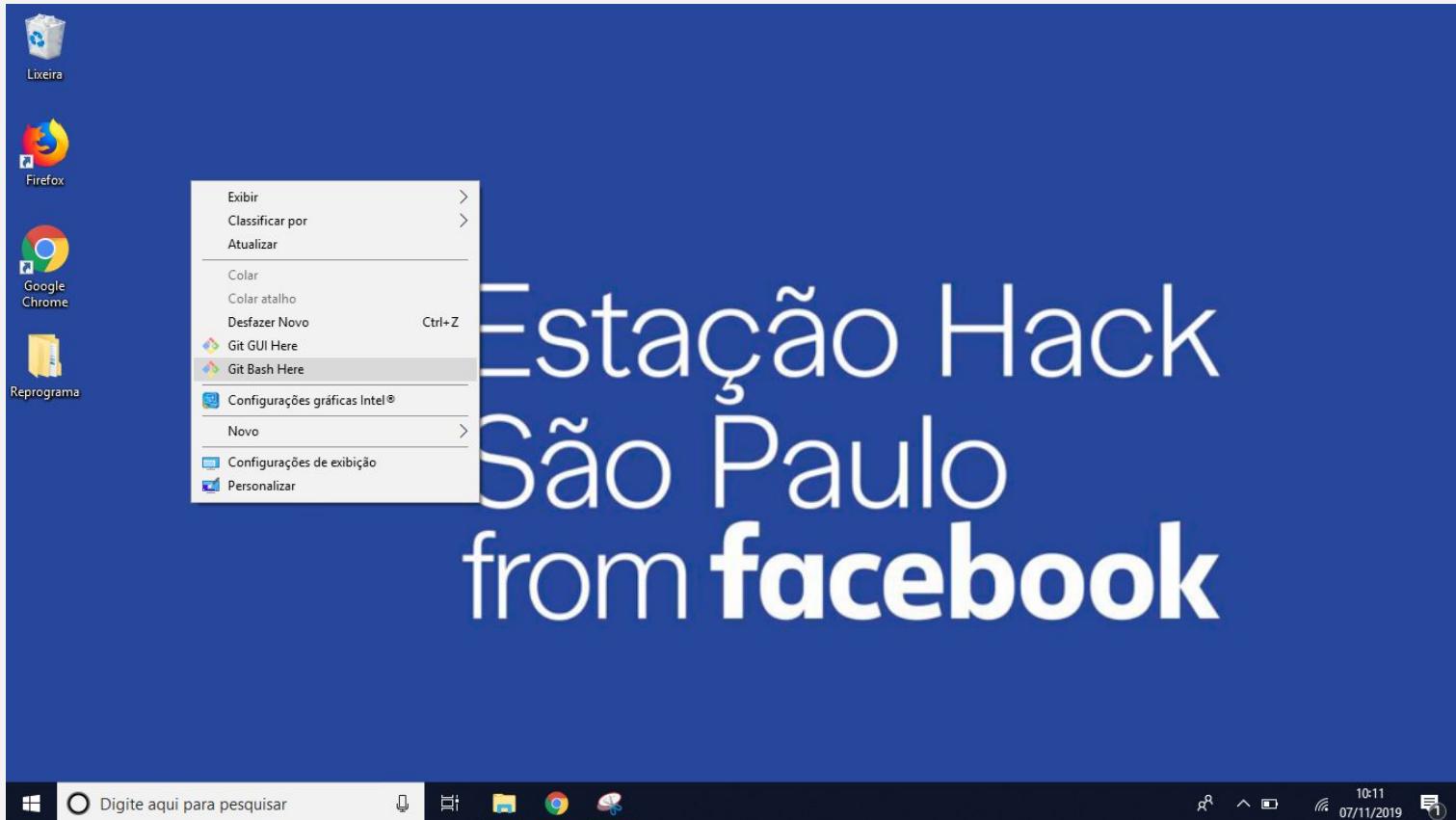
- Comando para dizer qual seu email:

```
git config --global user.email "seu@email.com"
```

- Comando de verificação se a configuração foi realizada com sucesso:

```
git config --list
```

Abrindo o Git Bash: Git Bash here

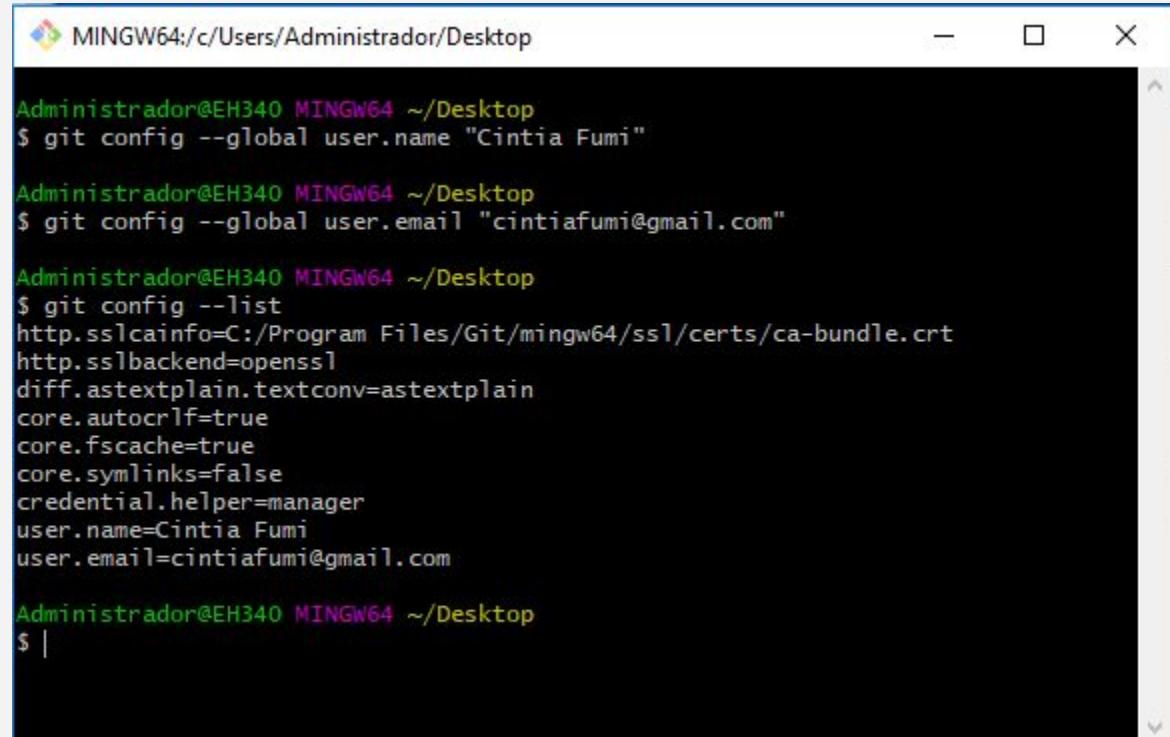


Avisar o Git quem sou eu:

```
git config --global user.name "Cintia Fumi"
```

```
git config --global user.email "cintiafumi@gmail.com"
```

```
git config --list
```



```
MINGW64:/c/Users/Administrador/Desktop
Administrator@EH340 MINGW64 ~/Desktop
$ git config --global user.name "Cintia Fumi"

Administrator@EH340 MINGW64 ~/Desktop
$ git config --global user.email "cintiafumi@gmail.com"

Administrator@EH340 MINGW64 ~/Desktop
$ git config --list
http.sslcainfo=C:/Program Files/Git/mingw64/ssl/certs/ca-bundle.crt
http.sslbackend=openssl
diff.astextplain.textconv=astextplain
core.autocrlf=true
core.fscache=true
core.symlinks=false
credential.helper=manager
user.name=Cintia Fumi
user.email=cintiafumi@gmail.com

Administrator@EH340 MINGW64 ~/Desktop
$ |
```

Tweet



```
git config --global user.name  
"Seu Nome"
```

```
git config --global user.email  
"seu@email.com"
```

```
git config --list
```

Dúvidas?

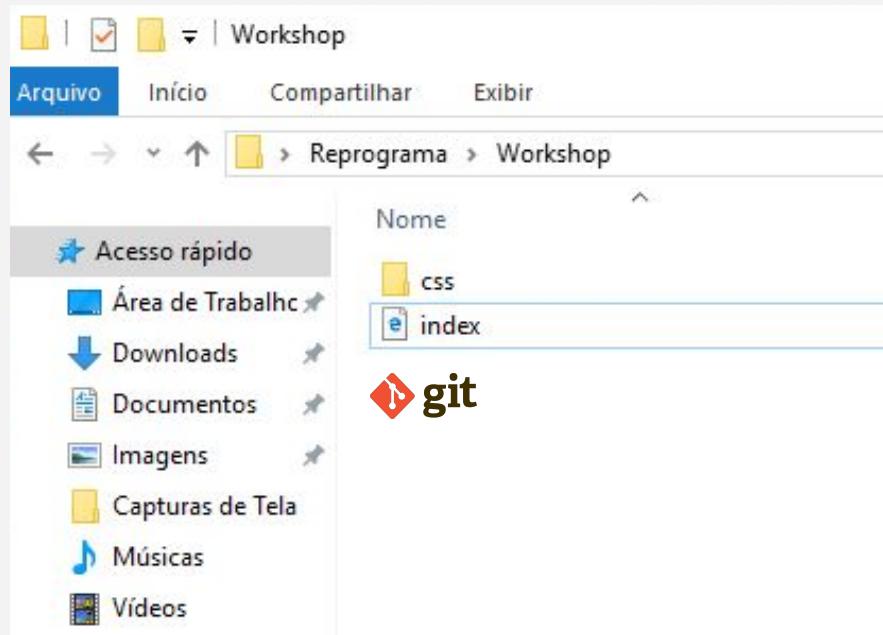
Iniciando o controle de versão

Queremos rastrear com o Git



Faremos o controle de versão
do seu projeto do Workshop

Queremos o Git observando tudo o que acontece dentro desta pasta



Como acontece o controle de
versão

O que vai acontecer...

Working directory
(pasta local)

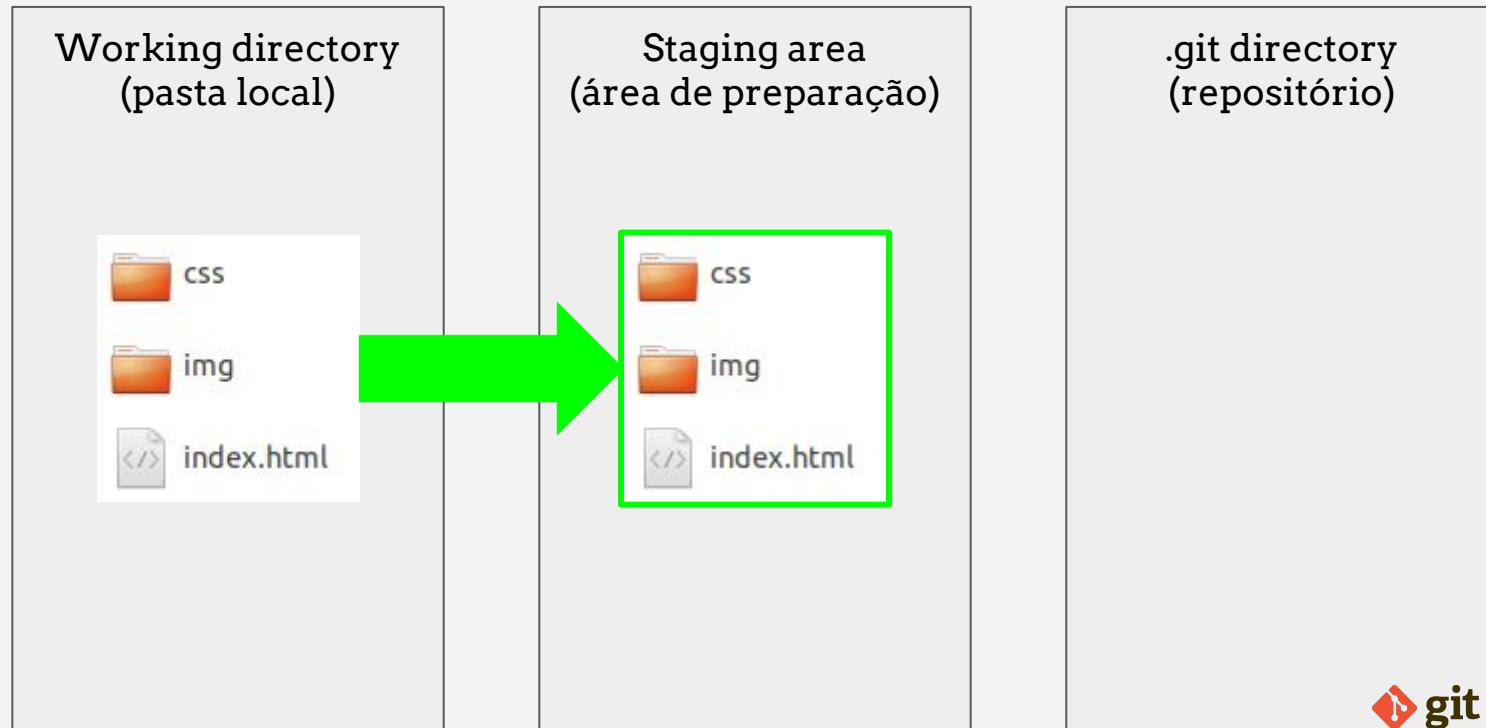


Staging area
(área de preparação)

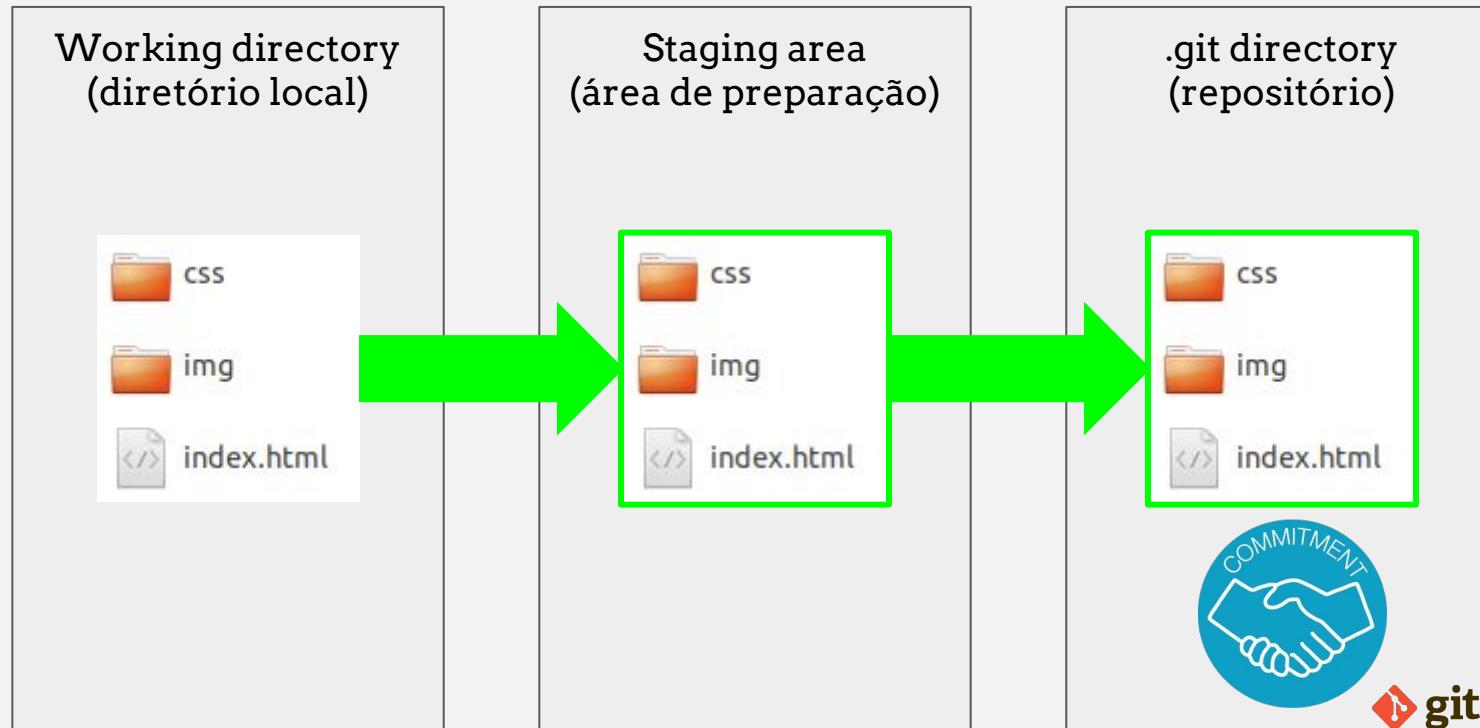
.git directory
(repositório)



Adição dos arquivos para área de preparação

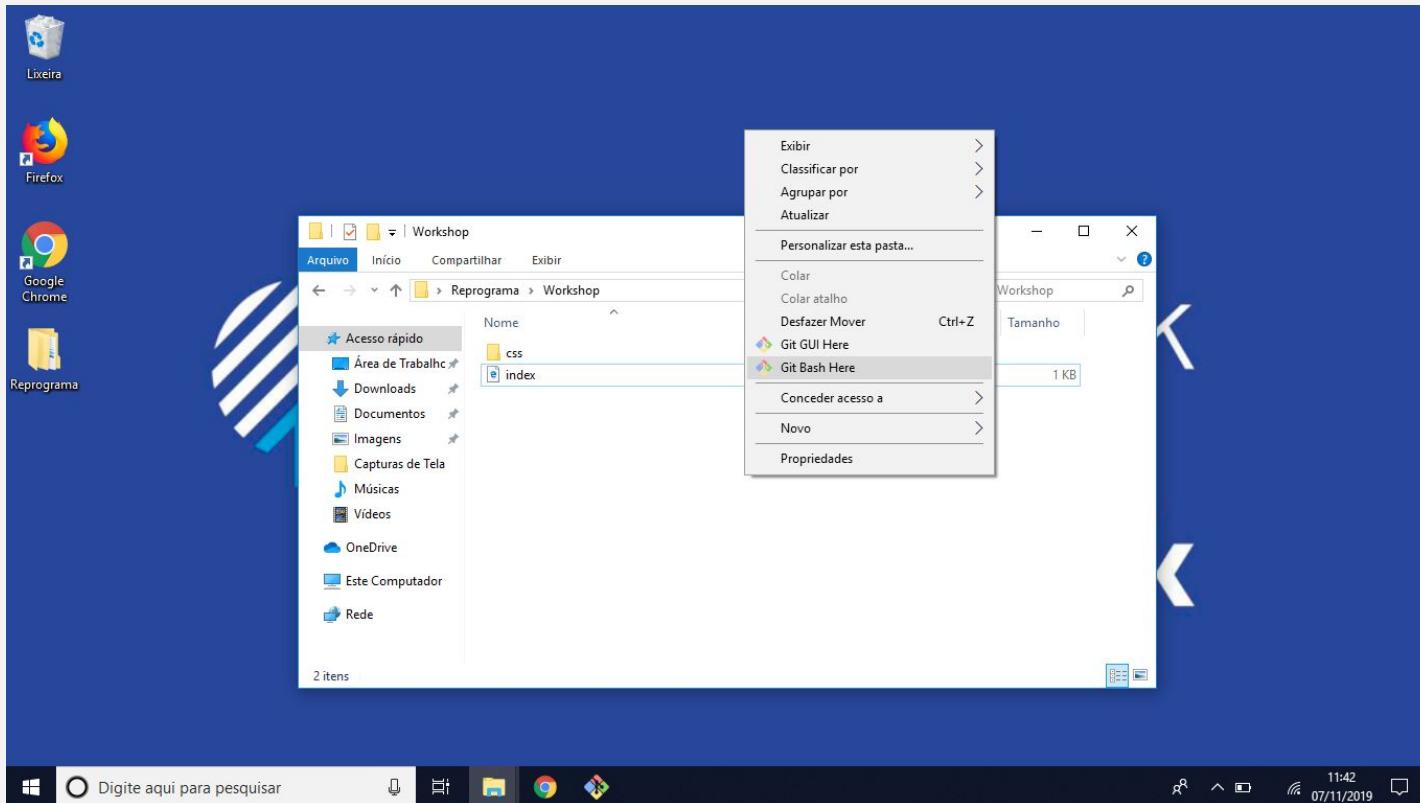


Git: recebe um “contrato” contendo as informações de quais arquivos, quem é a autora e o que foi feito



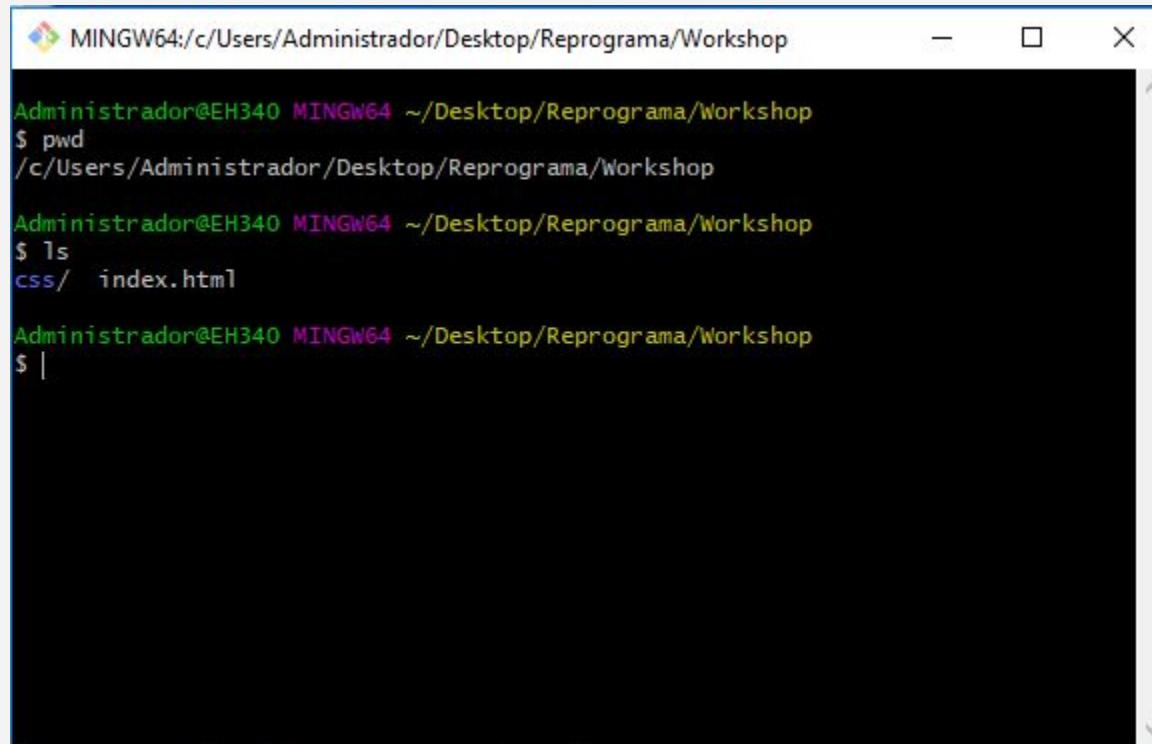
Começando o controle de versão
no projeto do Workshop

Abrindo o Git Bash de DENTRO da sua pasta: Git Bash here



Verificando o caminho: **pwd**

Verificando o conteúdo da sua pasta: **ls**



```
MINGW64:/c/Users/Administrador/Desktop/Reprograma/Workshop
Administrator@EH340 MINGW64 ~/Desktop/Reprograma/Workshop
$ pwd
/c/Users/Administrador/Desktop/Reprograma/Workshop

Administrator@EH340 MINGW64 ~/Desktop/Reprograma/Workshop
$ ls
css/ index.html

Administrator@EH340 MINGW64 ~/Desktop/Reprograma/Workshop
$ |
```

Iniciando o rastreamento

Iniciando o rastreamento do Git: git init

```
MINGW64:/c/Users/Administrador/Desktop/Reprograma/Workshop — □ ×
Administrador@EH340 MINGW64 ~/Desktop/Reprograma/Workshop
$ pwd
/c/Users/Administrador/Desktop/Reprograma/Workshop

Administrador@EH340 MINGW64 ~/Desktop/Reprograma/Workshop
$ ls
css/ index.html

Administrador@EH340 MINGW64 ~/Desktop/Reprograma/Workshop
$ git init
Initialized empty Git repository in C:/Users/Administrador/Desktop/Reprograma/Workshop/.git/
```

Estamos aqui:

Working directory
(pasta local)



Staging area
(área de preparação)

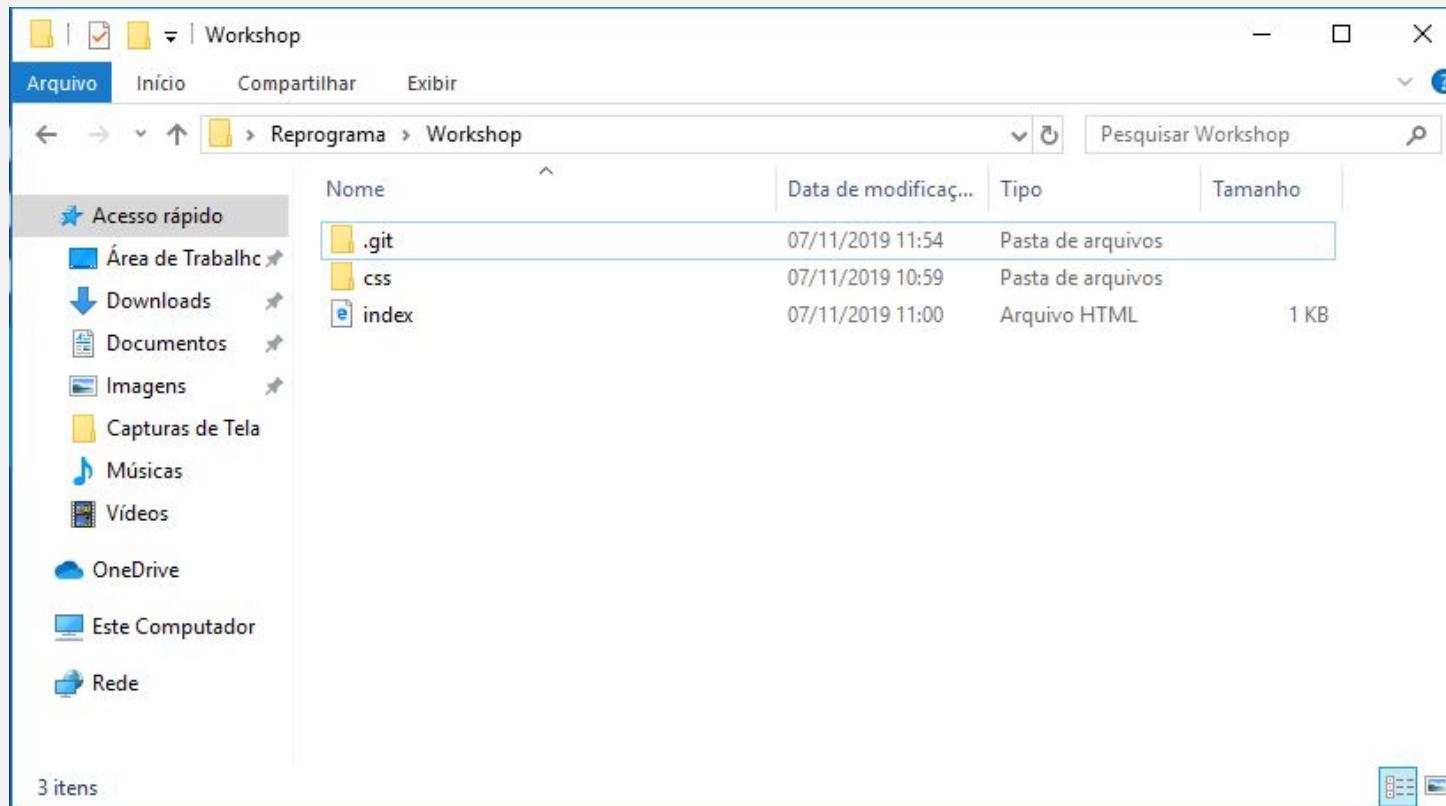
.git directory
(repositório)



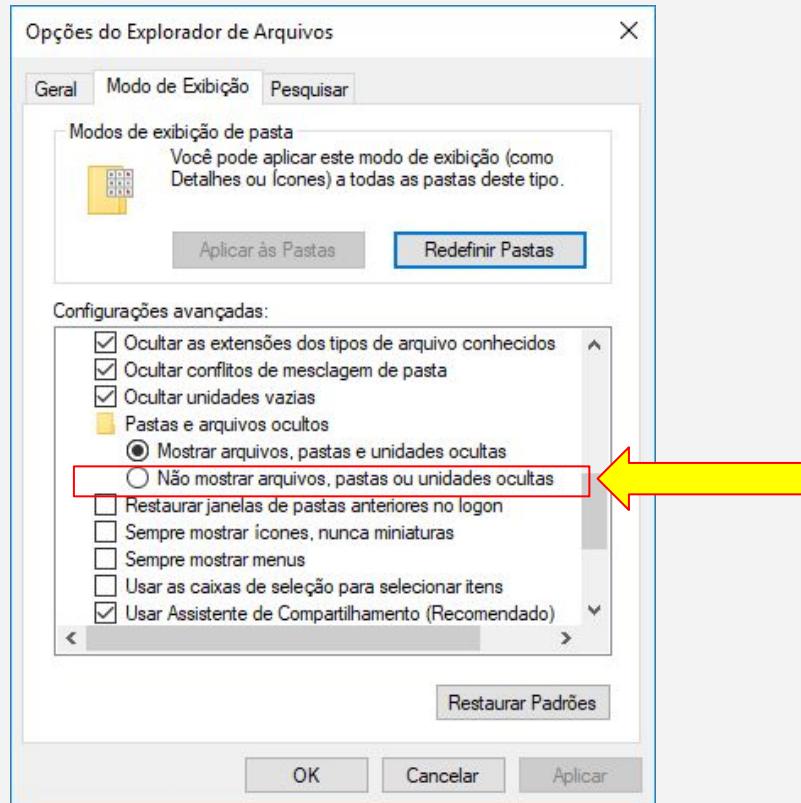
Listando os arquivos ocultos: ls -a

```
Administrador@EH340 MINGW64 ~/Desktop/Reprograma/Workshop
$ git init
Initialized empty Git repository in C:/Users/Administrador/Desktop/Reprograma/Workshop/.git/
Administrador@EH340 MINGW64 ~/Desktop/Reprograma/Workshop (master)
$ ls -a
./ ../ .git/ css/ index.html
```

Visualizando a pasta oculta .git dentro da sua pasta



Configuração no Windows para visualizar a pasta oculta: Opções do Explorador de Arquivos



Verificação do status: git status

```
Administrador@EH340 MINGW64 ~/Desktop/Reprograma/Workshop (master)
$ git status
On branch master

No commits yet

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

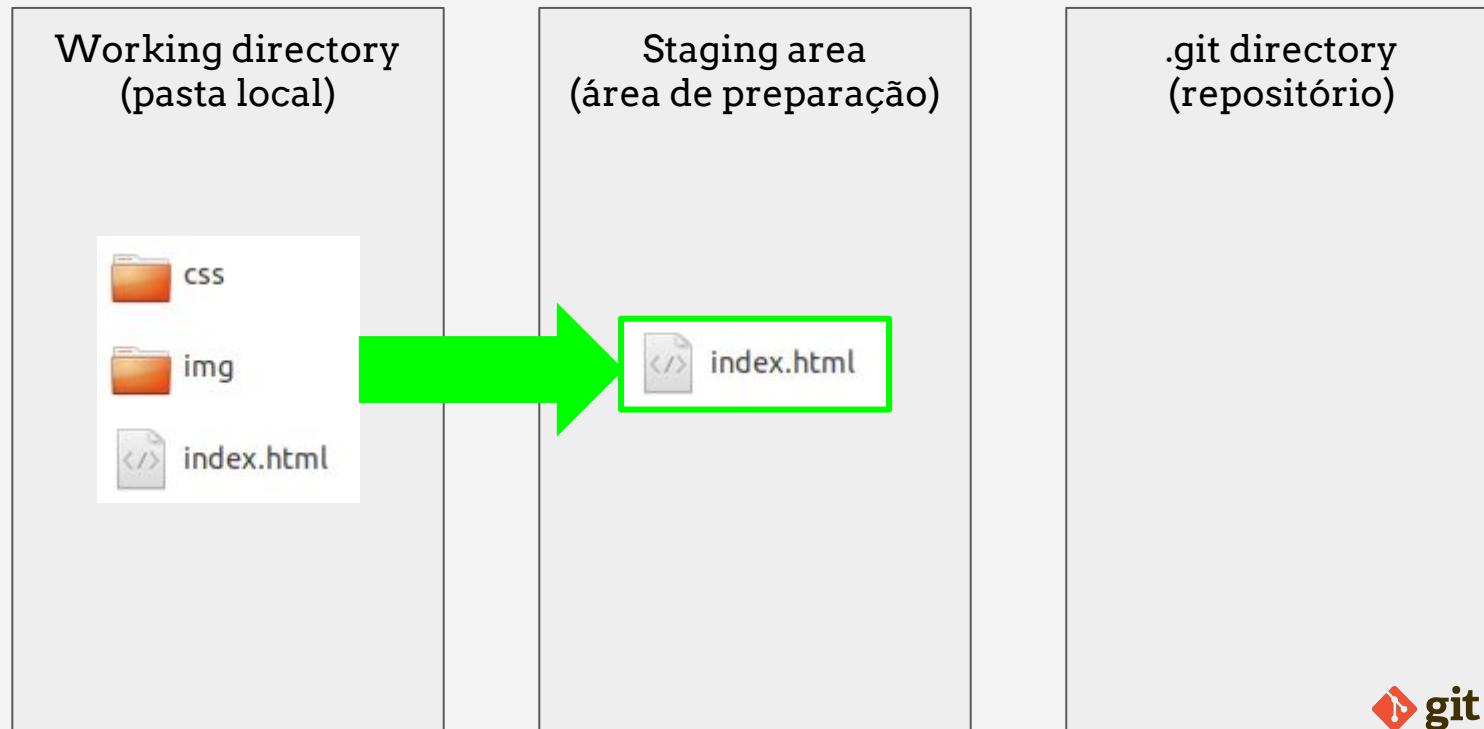
nothing added to commit but untracked files present (use "git add" to track)
```

Adicionar o arquivo index.html:

```
git add index.html
```

```
Administrador@EH340 MINGW64 ~/Desktop/Reprograma/Workshop (master)
$ git add index.html
```

Adição o arquivo index.html para área de preparação



Verificação do status: git status

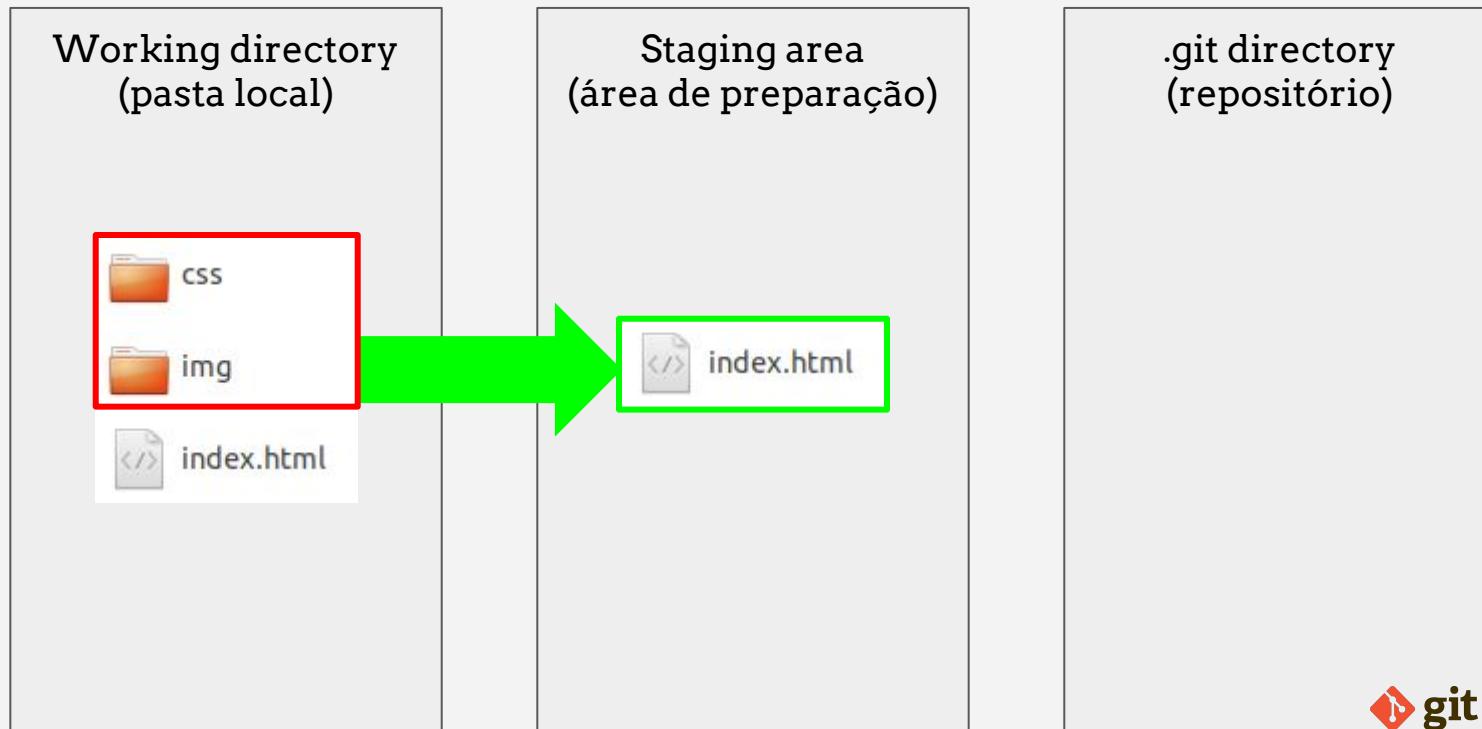
```
Administrador@EH340 MINGW64 ~/Desktop/Reprograma/Workshop (master)
$ git status
On branch master

No commits yet

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

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

Adição o arquivo index.html para área de preparação

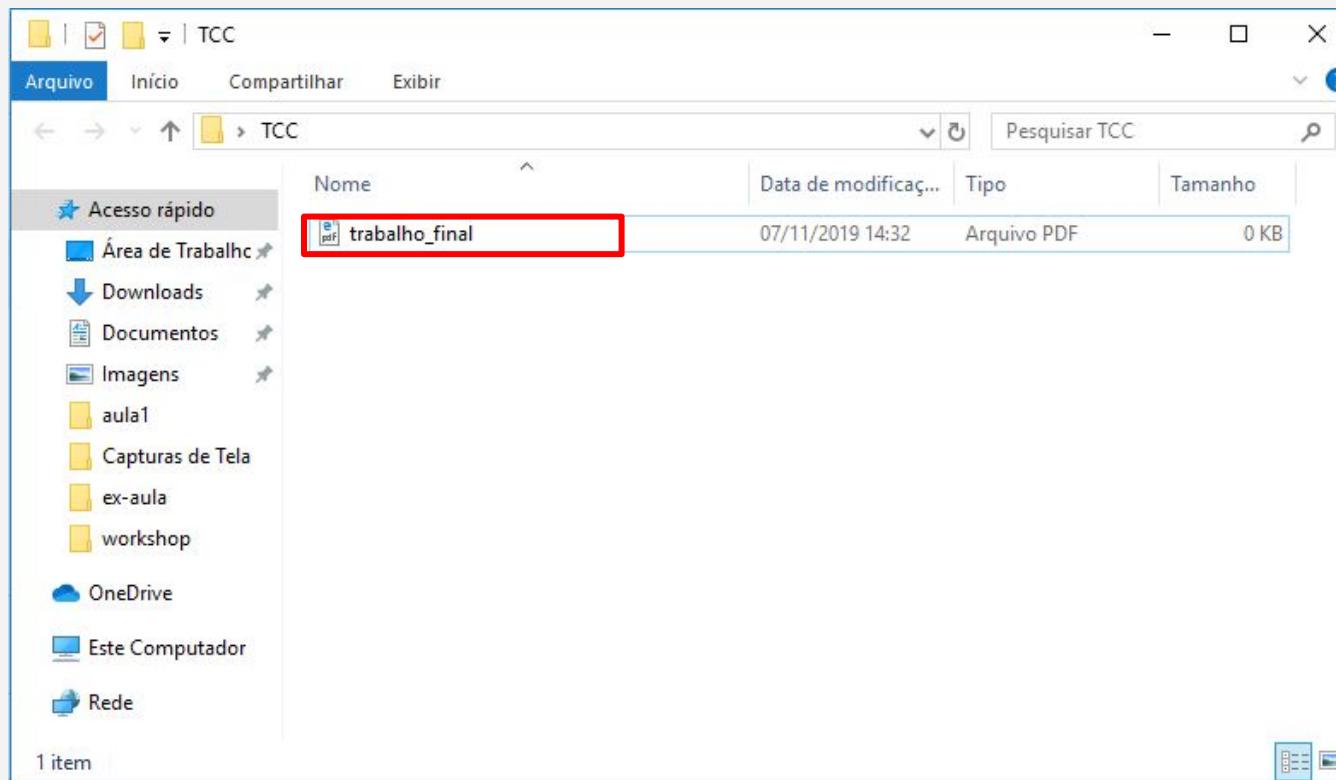


Adicionar a mensagem que vai no “contrato”:

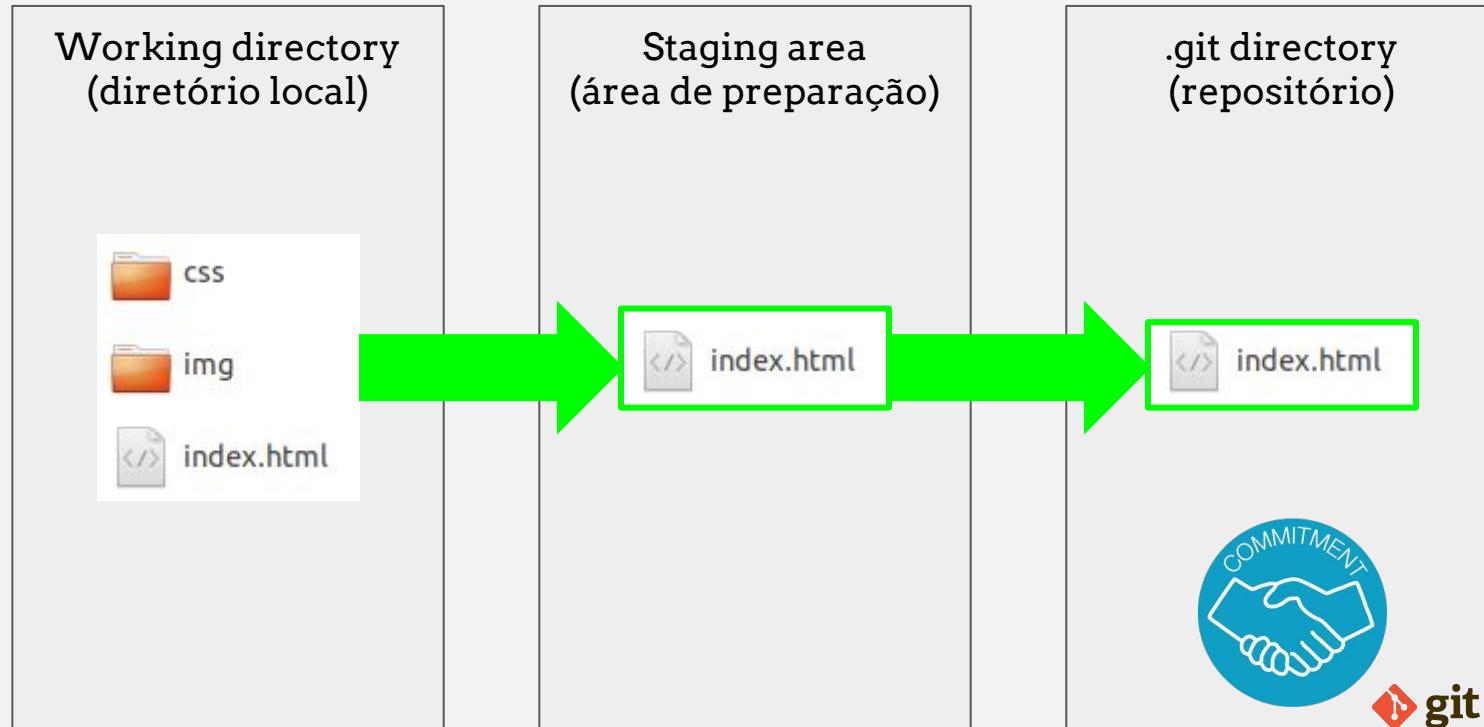
```
git commit -m "primeiro projeto da  
reprograma, realizado no workshop"
```

```
Administrador@EH340 MINGW64 ~/Desktop/Reprograma/Workshop (master)  
$ git commit -m "primeiro projeto da reprograma, contendo um site sobre mim"  
[master (root-commit) 3525343] primeiro projeto da reprograma, contendo um site  
sobre mim  
 1 file changed, 12 insertions(+)  
 create mode 100644 index.html
```

Seria como salvar a primeira versão do seu arquivo



Agora temos o index.html rastreado pelo Git



Vamos ver como ficou registrado no Git:
git log

```
Administrador@EH340 MINGW64 ~/Desktop/Reprograma/Workshop (master)
$ git log
commit 35253433b9a81347a719eed2c945f486ff28488b (HEAD -> master)
Author: Cintia Fumi <cintiafumi@gmail.com>
Date:   Thu Nov 7 12:07:42 2019 -0300

    primeiro projeto da reprograma, contendo um site sobre mim
```

```
Administrador@EH340 MINGW64 ~/Desktop/Reprograma/Workshop (master)
$ |
```

Mensagem de bom senso no git commit -m, por favor

ALONSO, VOCÊ SUBIU A ALTERAÇÃO
COM O TEXTO DO COMMIT "FEITO
CONFORME SOLICITADO". ISSO É
MUITO VAGO, PRECISA MELHORAR.

AH, TÁ. PODE DEIXAR
QUE EU JÁ ARRUMO...

PRONTO, OLHA LÁ QUE
ACHO QUE AGORA FICOU
BOM!

Realizadas todas as
alterações conforme
elas foram solicitadas
no código fonte do
projeto atual

PLOFT!

Tweet



Versionamento

Working directory; staging area;
repository

`git init`

`git status`

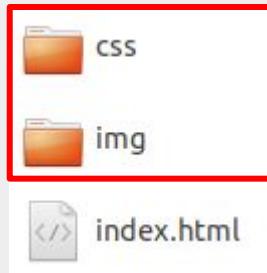
`git add`

`git commit -m "mensagem legal
coerente e etc"`

Adicionando novas alterações

Verificando o que falta adicionar: `git status`

Working directory
(diretório local)



Staging area
(área de preparação)

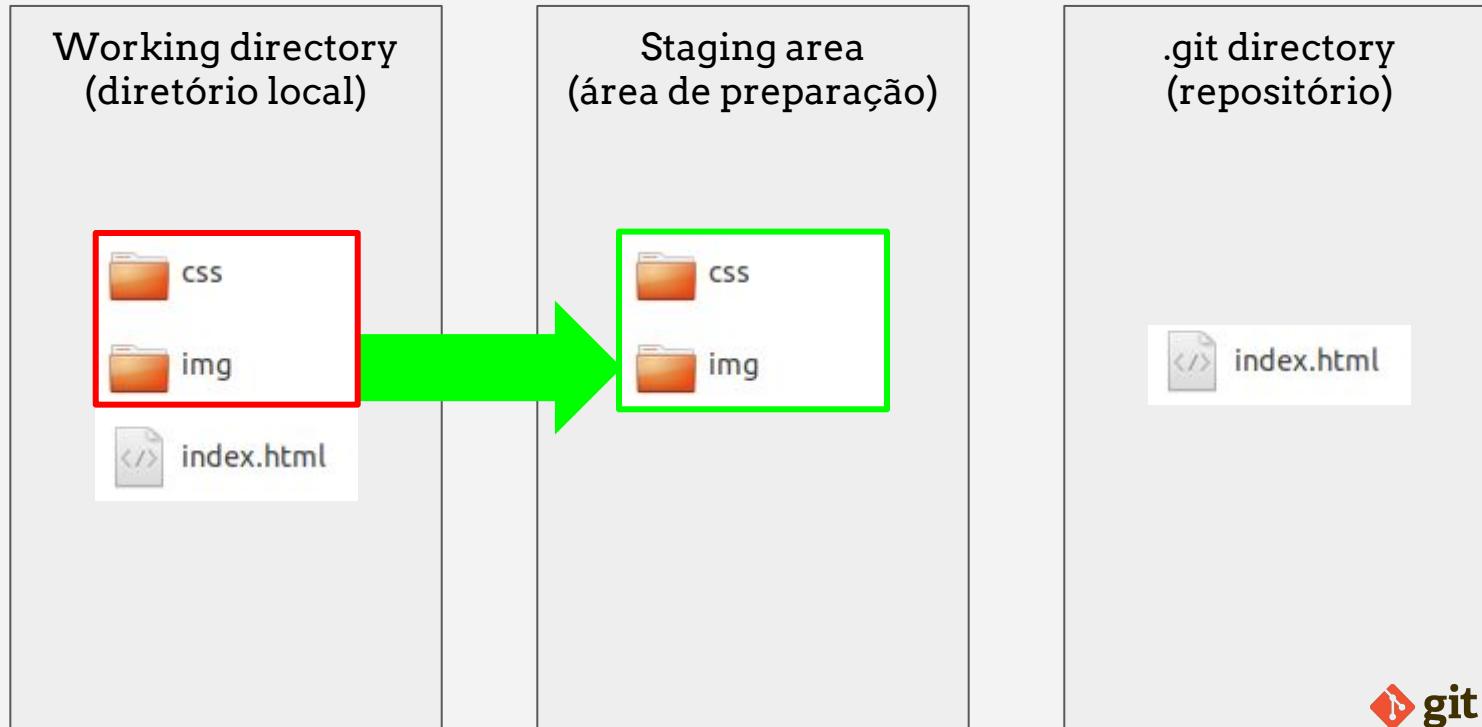
.git directory
(repositório)



Verificando o que falta adicionar: git status

```
Administrador@EH340 MINGW64 ~/Desktop/Reprograma/Workshop (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    css/
nothing added to commit but untracked files present (use "git add" to track)
```

Vamos adicionar todos que faltam: `git add --all`



Adicionando todos arquivos: git add --all

```
Administrador@EH340 MINGW64 ~/Desktop/Reprograma/Workshop (master)
$ git add --all
```

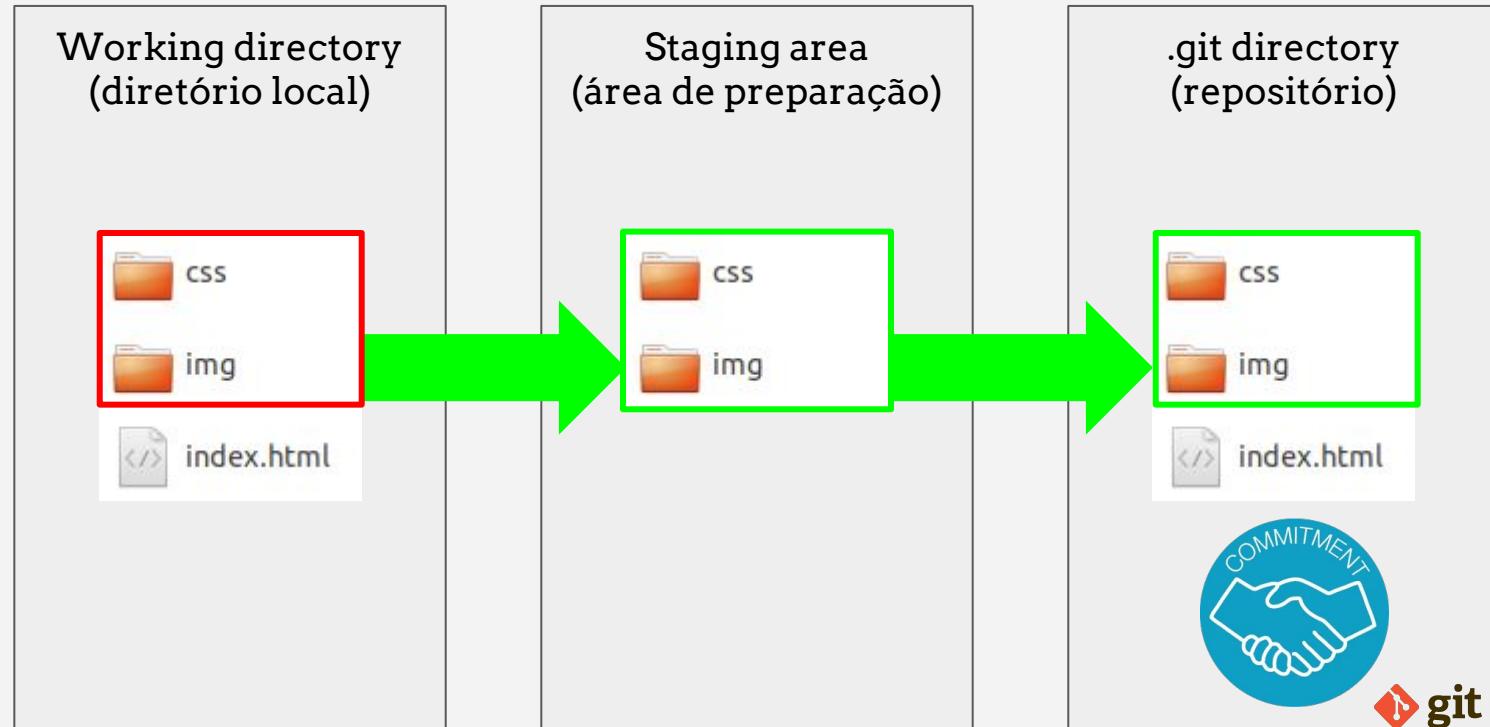
Verificando o status novamente: git status

```
Administrador@EH340 MINGW64 ~/Desktop/Reprograma/Workshop (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   css/style.css
```

```
Administrador@EH340 MINGW64 ~/Desktop/Reprograma/Workshop (master)
$ |
```

Vamos adicionar a mensagem:

```
git commit -m "Adicionando style"
```



Adicionando mensagem:

```
git commit -m "Adicionando style"
```

```
Administrador@EH340 MINGW64 ~/Desktop/Reprograma/Workshop (master)
$ git commit -m "Adicionando style"
[master b7f729e] Adicionando style
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 css/style.css
```

Verificando como ficou o registro no Git: git log

```
Administrador@EH340 MINGW64 ~/Desktop/Reprograma/Workshop (master)
$ git log
commit b7f729e9139221399b27701711cbd634f2077b9d (HEAD -> master)
Author: Cintia Fumi <cintiafumi@gmail.com>
Date:   Thu Nov 7 12:11:08 2019 -0300

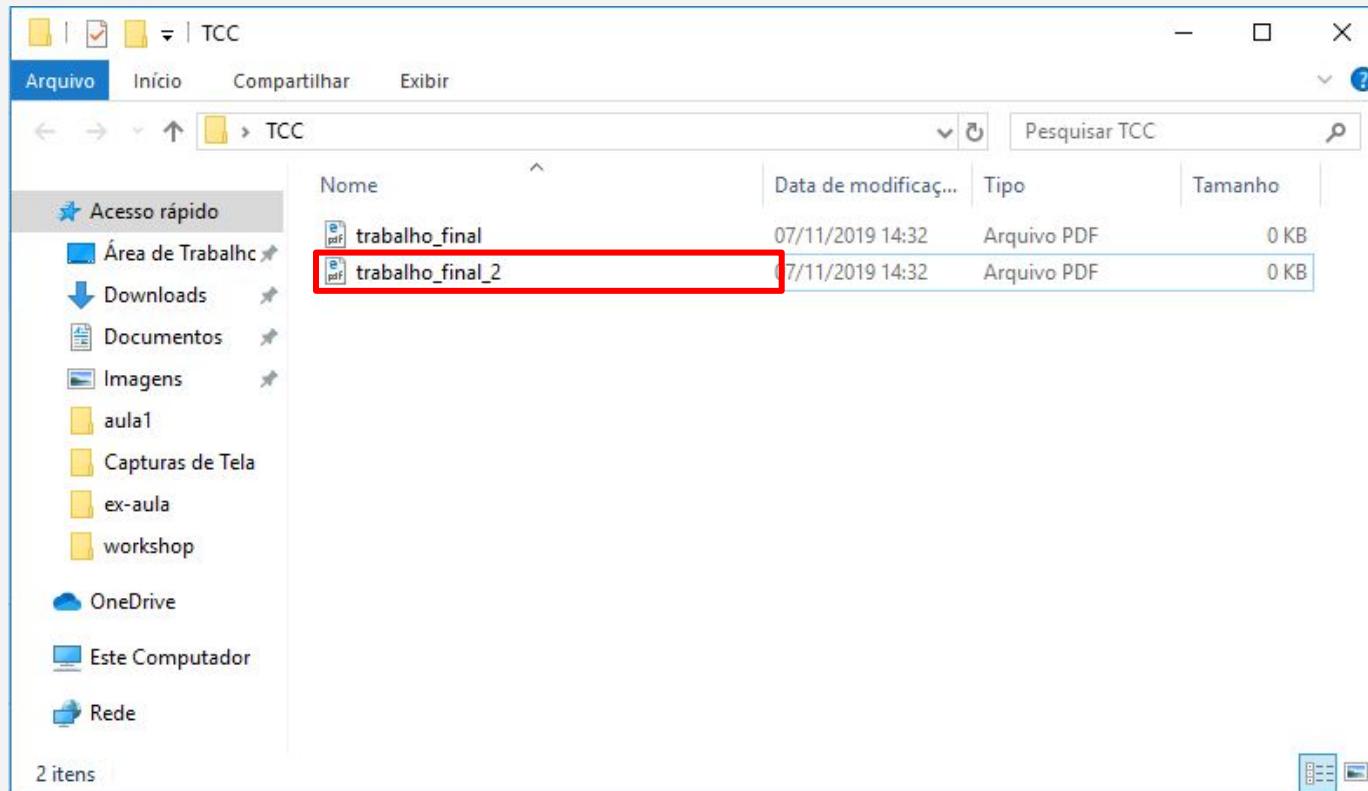
    Adicionando style

commit 35253433b9a81347a719eed2c945f486ff28488b
Author: Cintia Fumi <cintiafumi@gmail.com>
Date:   Thu Nov 7 12:07:42 2019 -0300

    primeiro projeto da reprograma, contendo um site sobre mim

Administrador@EH340 MINGW64 ~/Desktop/Reprograma/Workshop (master)
$ |
```

Seria como salvar a segunda versão do seu arquivo



Tweet



Versionamento

Working directory; staging area;
repository

`git init`

`git status`

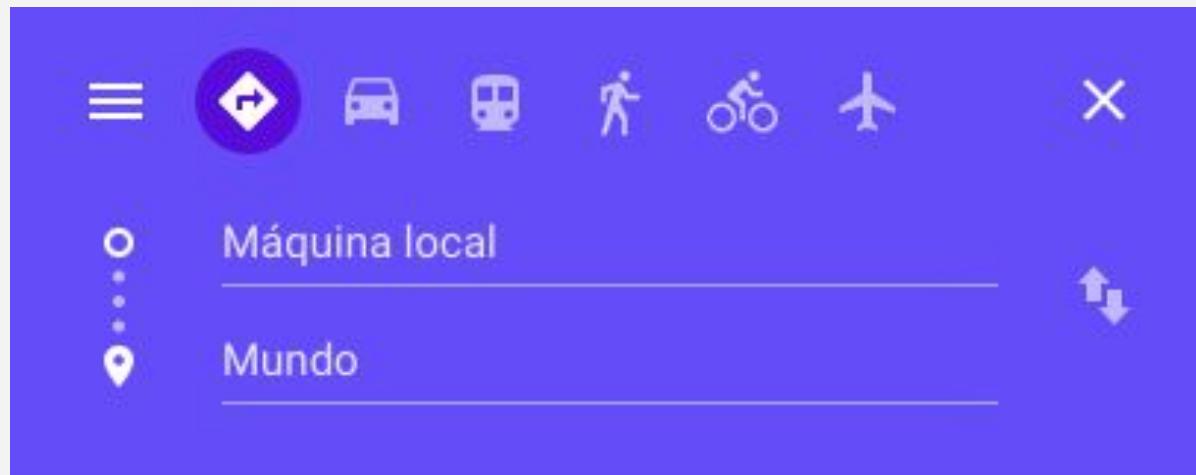
`git add`

`git commit -m "mensagem legal
coerente e etc"`

Dúvidas?

Deixando seu projeto público

De repositório local para o repositório remoto



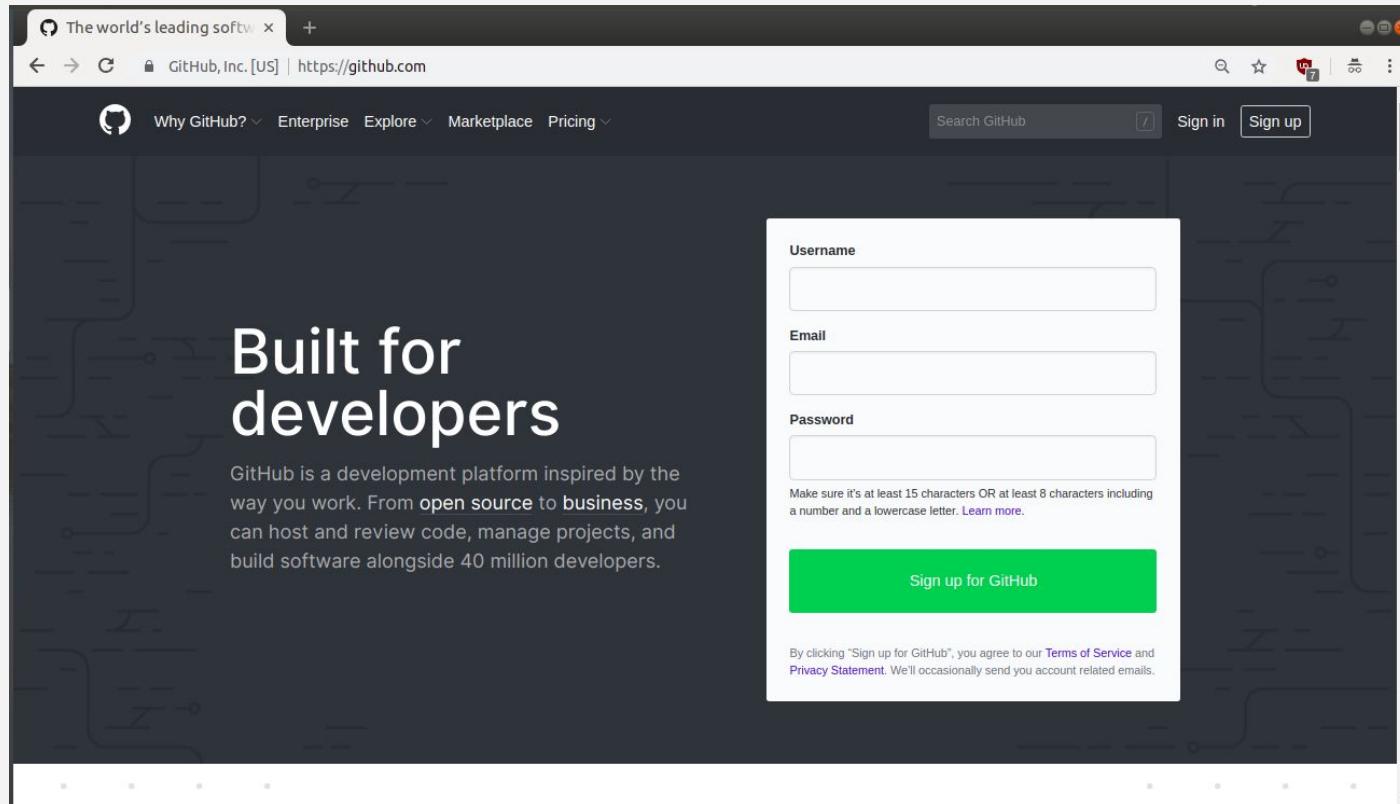
Hospedagem de repositórios



GitLab



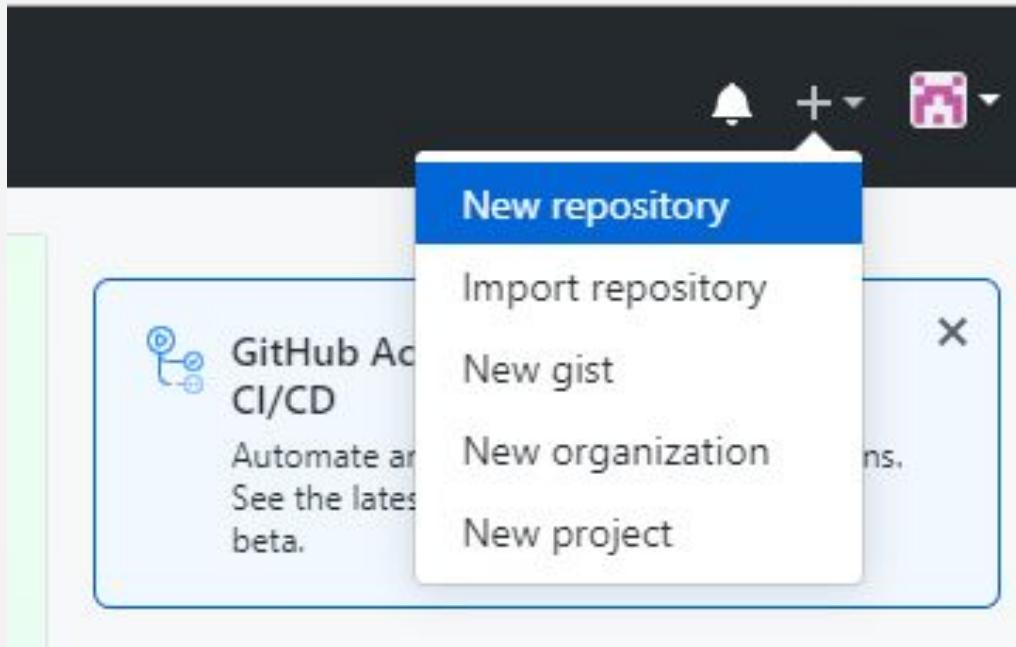
Escolhendo o site de hospedagem



Criando um repositório remoto

A screenshot of a web browser displaying the GitHub homepage (github.com). The page features a search bar at the top, followed by navigation links for Pull requests, Issues, Marketplace, and Explore. On the left, there's a section for 'Repositories' with a message about active repositories and links to 'Create a repository' or 'explore repositories'. The main area contains a large card with the heading 'Learn Git and GitHub without any code!' and a sub-section about creating a repository. Below this are two buttons: 'Read the guide' (in green) and 'Start a project' (in white). To the right, there's a sidebar titled 'Explore repositories' listing several projects like 'topjohnwu/Magisk', 'Tencent/bk-cmdb', and 'mihtjel/nanovna-saver'. A prominent red arrow points from the bottom right towards a dropdown menu in the top right corner of the page. This menu is open and shows options: 'New repository' (which is highlighted in blue), 'Import repository', 'New gist', 'New organization', and 'New project'.

Criando um repositório remoto



Criando um repositório remoto: escolha o nome

The screenshot shows the GitHub interface for creating a new repository. At the top, there is a navigation bar with icons for user profile, search, pull requests, issues, marketplace, and explore. Below the navigation bar, 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 "usernov" and the "Repository name" field is "reprograma-workshop", which has a green checkmark next to it. A note below suggests short and memorable names like "bookish-couscous". The "Description (optional)" field is empty. Under "Visibility", the "Public" option is selected, indicated by a radio button and a description: "Anyone can see this repository. You choose who can commit.". The "Private" option is also listed with its description: "You choose who can see and commit to this repository.". Below these options, there is a note: "Skip this step if you're importing an existing repository." A checkbox labeled "Initialize this repository with a README" is checked, with a descriptive subtitle: "This will let you immediately clone the repository to your computer." At the bottom, there are two buttons: "Add .gitignore: None" and "Add a license: None". A large green "Create repository" button is at the very bottom.

Linkando o repositório remoto

The screenshot shows a GitHub repository page for 'cintafumi / reprograma-workshop'. The top navigation bar includes 'Unwatch' (1), 'Star' (0), 'Fork' (0), and tabs for 'Code', 'Issues 0', 'Pull requests 0', 'Projects 0', 'Wiki', 'Security', 'Insights', and 'Settings'. Below the navigation, a section titled 'Quick setup — if you've done this kind of thing before' provides instructions for cloning the repository via HTTPS or SSH. It also suggests creating a new file or uploading an existing one, and recommends including a README, LICENSE, and .gitignore. A large red box highlights the first four lines of the command-line instructions:

```
echo "# reprograma-workshop" >> README.md  
git init  
git add README.md  
git commit -m "first commit"
```

A green box highlights the last two lines:

```
git remote add origin https://github.com/cintafumi/reprograma-workshop.git  
git push -u origin master
```

To the right of the highlighted code, the text 'Já fizemos isso!' is written in a large, stylized black font. A yellow arrow points from the bottom of the highlighted code block towards the bottom of the page, indicating where the next step will be located.

...or create a new repository on the command line

```
echo "# reprograma-workshop" >> README.md  
git init  
git add README.md  
git commit -m "first commit"  
git remote add origin https://github.com/cintafumi/reprograma-workshop.git  
git push -u origin master
```

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

```
git remote add origin https://github.com/cintafumi/reprograma-workshop.git  
git push -u origin master
```

Voltando para o Git Bash

Link do repositório local para o repositório remoto

```
git remote add origin https://github.com/<seuLogin>/<seuRepo>.git
```

```
Administrador@EH340 MINGW64 ~/Desktop/Reprograma/Workshop (master)
$ git remote add origin https://github.com/usernov/reprograma-workshop.git
```

Verificando o link do repositório remoto

```
git remote -v
```

```
Administrador@EH340 MINGW64 ~/Desktop/Reprograma/Workshop (master)
$ git remote -v
origin  https://github.com/usernov/reprograma-workshop.git (fetch)
origin  https://github.com/usernov/reprograma-workshop.git (push)
```

Verificando o status

`git status`

```
Administrador@EH340 MINGW64 ~/Desktop/Reprograma/Workshop (master)
$ git status
On branch master
nothing to commit, working tree clean
```

Subindo do repositório local para repositório remoto
git push -u origin master

```
Administrador@EH340 MINGW64 ~/Desktop/Reprograma/Workshop (master)
$ git push -u origin master
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 4 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (7/7), 725 bytes | 241.00 KiB/s, done.
Total 7 (delta 0), reused 0 (delta 0)
To https://github.com/usernov/reprograma-workshop.git
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
```

Verificando se os arquivos estão no repositório remoto

The screenshot shows a GitHub repository page for 'usernov/reprograma-workshop'. The top navigation bar includes 'Code' (selected), 'Issues 0', 'Pull requests 0', 'Projects 0', 'Wiki', 'Security', 'Insights', and 'Settings'. The repository details show 1 watch, 0 stars, and 0 forks. A 'Quick setup — if you've done this kind of thing before' section provides instructions for cloning the repository via 'Set up in Desktop' (disabled), 'HTTPS' (selected), or 'SSH', with the URL <https://github.com/usernov/reprograma-workshop.git>. It also suggests creating a new repository on the command line with the following steps:

```
echo "# reprograma-workshop" >> README.md
git init
git add README.md
git commit -m "first commit"
git remote add origin https://github.com/usernov/reprograma-workshop.git
git push -u origin master
```

Below this, another section provides instructions for pushing an existing repository from the command line:

```
git remote add origin https://github.com/usernov/reprograma-workshop.git
git push -u origin master
```

Verificando se os arquivos estão no repositório remoto

The screenshot shows a GitHub repository page for the user `usermov` named `reprograma-workshop`. The repository has 2 commits, 1 branch, 0 releases, and 1 contributor. The latest commit was made by `cintiafumi` yesterday, adding a `index.html` file with a message about it being the first project. There is a call-to-action to "Add a README".

Code Issues Pull requests Projects Wiki Security Insights Settings

No description, website, or topics provided.

Manage topics

2 commits 1 branch 0 releases 1 contributor

Branch: master New pull request Create new file Upload files Find file Clone or download

cintiafumi Adicionando style Latest commit b7f729e yesterday

css Adicionando style yesterday

index.html primeiro projeto da reprograma, contendo um site sobre mim yesterday

Help people interested in this repository understand your project by adding a README. Add a README

© 2019 GitHub, Inc. Terms Privacy Security Status Help Contact GitHub Pricing API Training Blog About

Verificando se os commits no repositório remoto

usernov / **reprograma-workshop** Unwatch 1 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Security Insights Settings

Branch: **master** ▾

Commits on Nov 7, 2019

Adicionando style b7f729e 🔗 ↗
cintiafumi committed yesterday

primeiro projeto da reprograma, contendo um site sobre mim 3525343 🔗 ↗
cintiafumi committed yesterday

Newer Older

Parabéns!
Seu projeto está no GitHub :B



Tweet



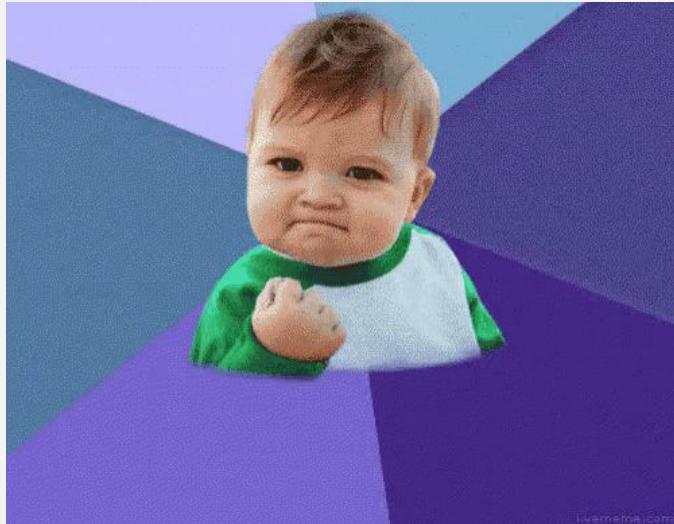
Hospedagem de repositórios

`git remote add origin <link>`

`git remote -v`

`git push -u origin master`

Dúvidas?



Criar nova pasta no Desktop
Adicionar arquivos do workshop

Seguir passos do GitHub
Dar push =)

Clonando repositórios
existentes no GitHub da
Reprograma das aulas
anteriores

Vou na página do GitHub da Reprograma

<https://github.com/reprograma>



*Buscar
por:
On4*

The screenshot shows the GitHub search interface for the organization 'reprograma'. A yellow arrow points to the search bar at the top, which contains the query 'On4'. Below the search bar, there are filters for 'Type: All' and 'Language: All'. The search results section displays three repositories: 'On4-Bootstrap', 'On4-Responsivo', and 'On4-git-e-github'. Each repository card includes a brief description, the number of stars, forks, and issues, and the last update time. To the right of the search results, there are two sidebar boxes: 'Top languages' (JavaScript, HTML, CSS) and 'People' (a grid of 14 user profiles). The overall layout is clean and organized, typical of the GitHub web interface.

reprograma

Repositories 101 Packages People 44 Teams Projects

On4 Type: All Language: All New

3 results for repositories matching On4 Clear filter

On4-Bootstrap
Turma Online 4 | Front-end | 2019 | Semana 2 | Bootstrap
0 stars 1 fork 0 issues Updated 14 days ago

On4-Responsivo
Turma Online 4 | Front-end | 2019 | Semana 1 | Responsivo
CSS 0 stars 0 forks 0 issues Updated 14 days ago

On4-git-e-github
Turma Online 4 | Front-end | 2019 | Semana 3 | Git e Github
0 stars 0 forks 0 issues Updated 8 hours ago

Top languages

JavaScript HTML CSS

People 44

Entrar no repositório On4-Bootstrap

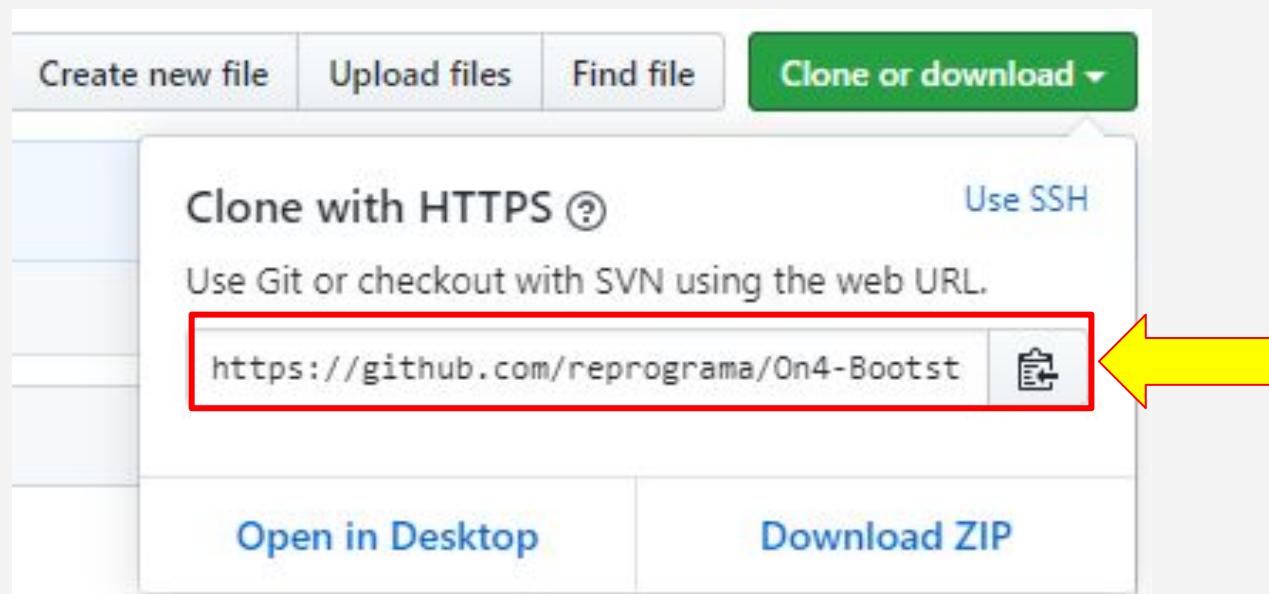
The screenshot shows a GitHub repository page for 'reprograma / On3-Responsivo'. At the top, there are navigation links for Code, Issues (0), Pull requests (0), Projects (0), Wiki, Security, Insights, and Settings. Below the header, a banner displays 'Turma Online 3 | Front-end | 2019 | Semana 1 | Responsivo' and an 'Edit' button. A 'Manage topics' section follows. Key statistics are shown: 16 commits, 1 branch, 0 releases, and 0 contributors. Below these stats, a dropdown menu shows 'Branch: master' and a 'New pull request' button. A list of files and their descriptions is provided:

- raissamartinsmenezes adiciona atualizações
- exemplos adiciona media queries README.md
- exercicios/mundo-gelado adiciona exercício 24/10
- imagens adiciona exercício 24/10
- README.md adiciona atualizações

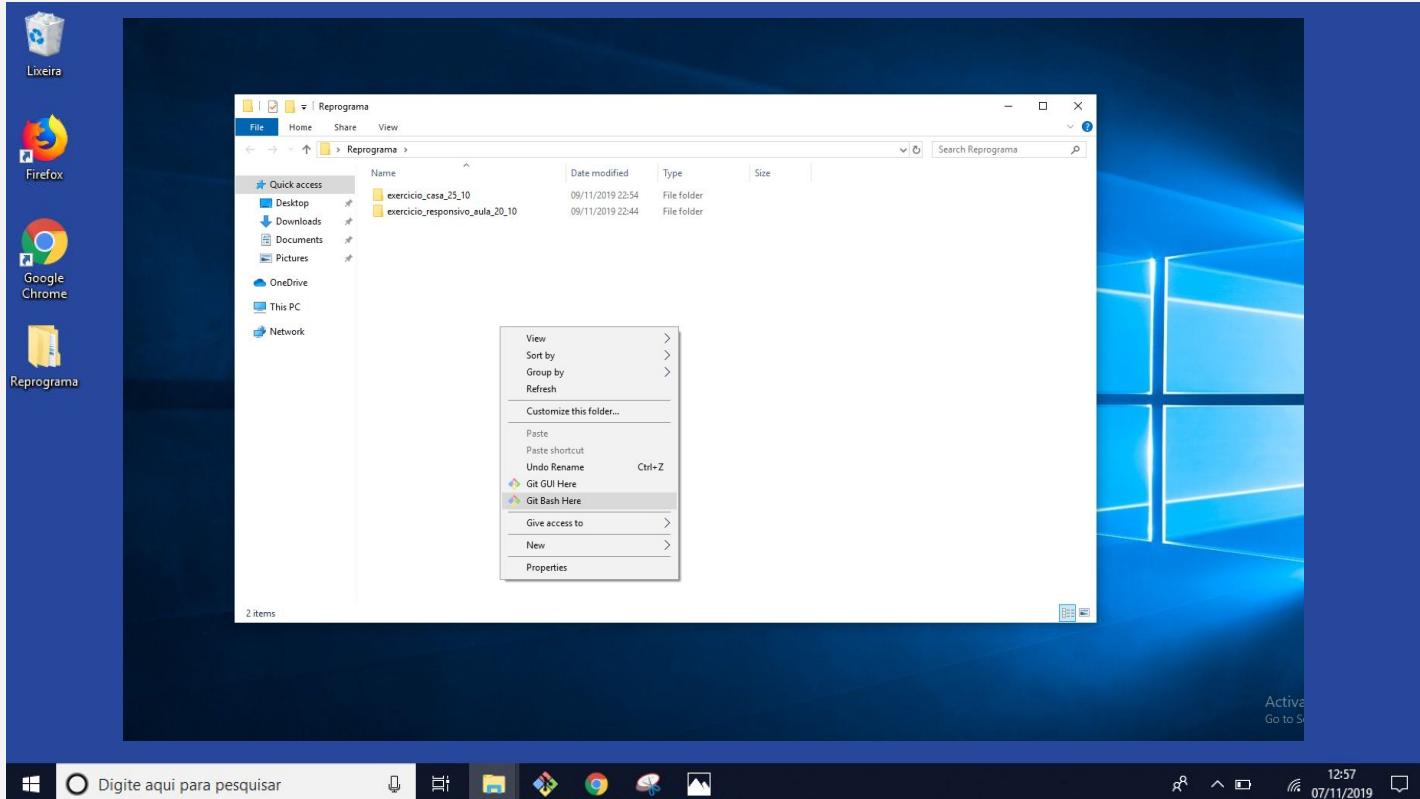
At the bottom, there is a 'README.md' section and a large heading 'Conteúdo - Aula 19/10'. A red box highlights the 'Clone with HTTPS' and 'Download ZIP' buttons, which are located at the bottom right of the repository page. A yellow arrow points from the right side of the image towards this red box.

Copiar o link HTTPS

<https://github.com/reprograma/On4-Bootstrap.git>

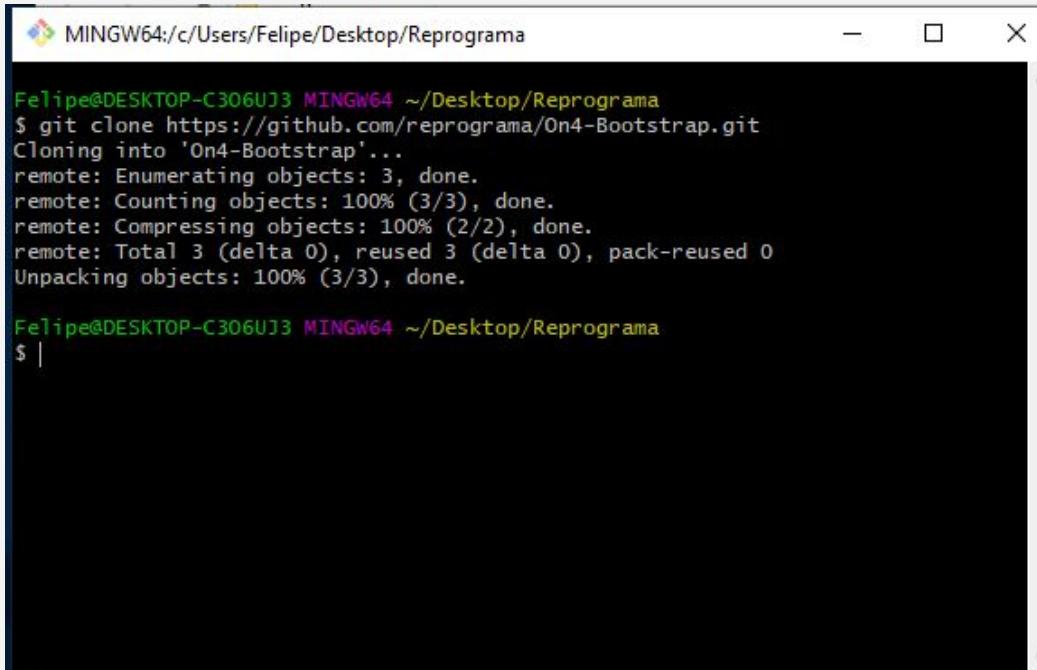


Ir na pasta local onde você quer copiar esse repositório



Clonando o repositório na sua máquina

```
git clone https://github.com/reprograma/On4-Bootstrap.git
```



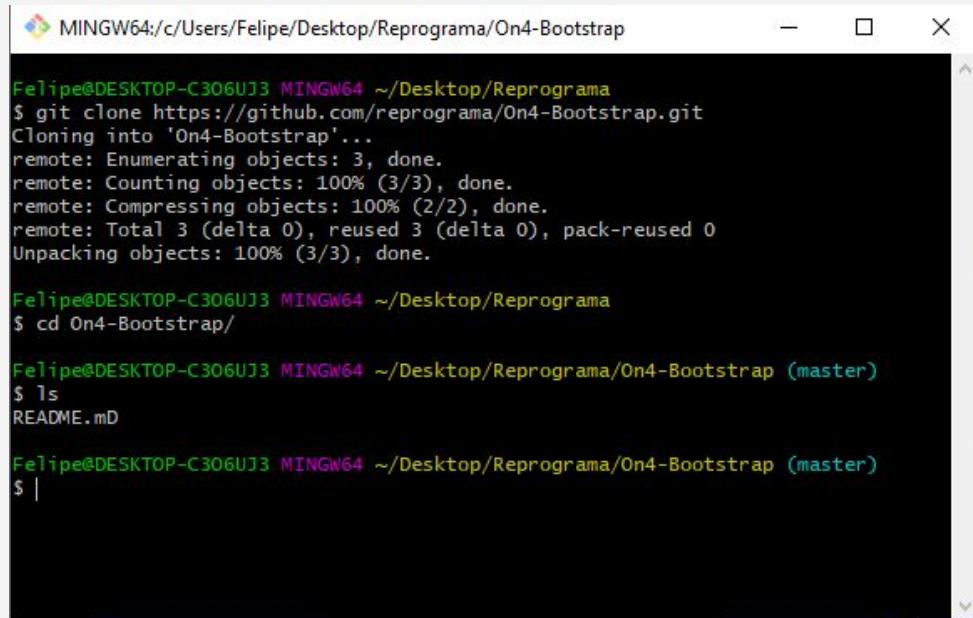
A screenshot of a terminal window titled "MINGW64:/c/Users/Felipe/Desktop/Reprograma". The window shows the command \$ git clone https://github.com/reprograma/On4-Bootstrap.git being run, followed by the progress of the cloning process. The output includes: Cloning into 'On4-Bootstrap'...; remote: Enumerating objects: 3, done.; remote: Counting objects: 100% (3/3), done.; remote: Compressing objects: 100% (2/2), done.; remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0; Unpacking objects: 100% (3/3), done.

```
Felipe@DESKTOP-C306UJ3 MINGW64 ~/Desktop/Reprograma
$ git clone https://github.com/reprograma/On4-Bootstrap.git
Cloning into 'On4-Bootstrap'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), done.

Felipe@DESKTOP-C306UJ3 MINGW64 ~/Desktop/Reprograma
$ |
```

Entrando na pasta do repositório clonado

cd On4-Bootstrap



```
MINGW64:/c/Users/Felipe/Desktop/Reprograma/On4-Bootstrap
Felipe@DESKTOP-C306UJ3 MINGW64 ~/Desktop/Reprograma
$ git clone https://github.com/reprograma/On4-Bootstrap.git
Cloning into 'On4-Bootstrap'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), done.

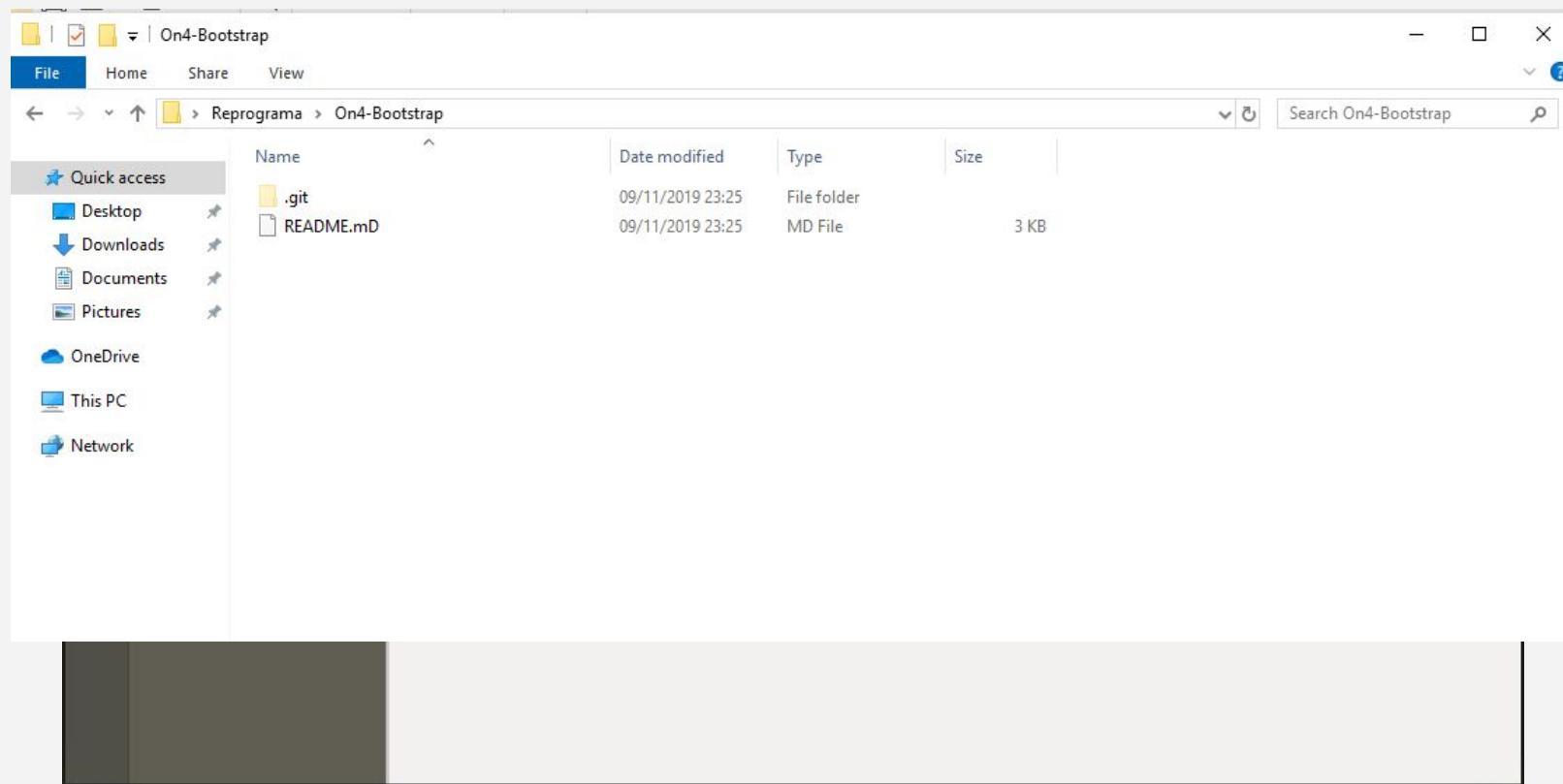
Felipe@DESKTOP-C306UJ3 MINGW64 ~/Desktop/Reprograma
$ cd On4-Bootstrap/

Felipe@DESKTOP-C306UJ3 MINGW64 ~/Desktop/Reprograma/On4-Bootstrap (master)
$ ls
README.md

Felipe@DESKTOP-C306UJ3 MINGW64 ~/Desktop/Reprograma/On4-Bootstrap (master)
$ |
```

Listando os arquivos
ls

Ou . . .

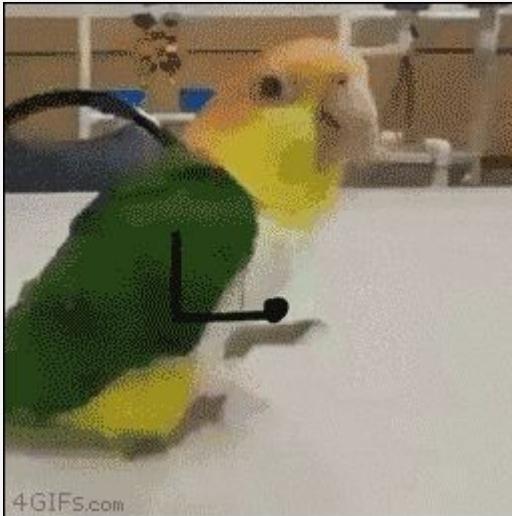


Pronto!

Agora você tem a aula clonada na sua
máquina ;)



Tweet



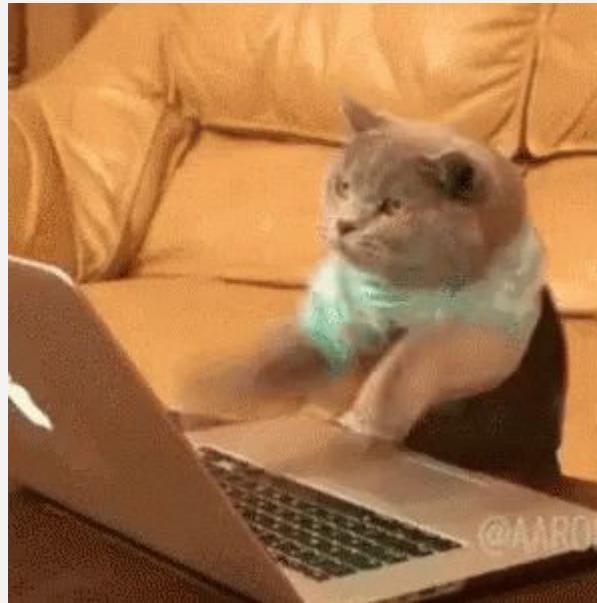
Clonar repositórios para fazer uma cópia localmente na minha máquina.

`git clone <link>`

`cd nome-da-pasta`

Dúvidas?

Chegou a hora...



Contribuindo em projeto já
existente

Projeto: **On11-TodasEmTech-s1-git**

Projeto: On11-TodasEmTech-s1-git

The screenshot shows a GitHub repository page. At the top, there's a navigation bar with links for Pull requests, Issues, Marketplace, and Explore. Below the navigation bar, the repository name is displayed as `reprograma / On11-TodasEmTech-s1-git`, with a note that it is Private. To the right of the repository name are buttons for Watch (with 3 notifications), Star (0 stars), and Fork (0 forks). Below the repository name, there are tabs for Code (which is selected), Issues, Pull requests, Actions, Projects, Security, Insights, and Settings. Further down, there are buttons for main (branch), 1 branch, 0 tags, Go to file, Add file, Code (with a dropdown arrow), About, and a gear icon for settings.

Adicionando colaboradoras

The screenshot shows the GitHub repository settings page for the organization 'reprograma / On4-git-e-github'. The left sidebar contains navigation links: Options, Collaborators & teams (which is selected and highlighted in orange), Branches, Webhooks, Notifications, Integrations & services, Deploy keys, Security alerts, Moderation, and Interaction limits. The main content area has tabs for Default repository permission, Teams, and Collaborators. The Default repository permission tab displays information about the organization's default repository permission being set to admin. The Teams tab shows a message: 'No teams have been given access to this repository yet.' and a green '+ Create new team' button. The Collaborators tab lists 'Maichilydia' as an 'Organization Member'. At the top right, there are buttons for Unwatch (5), Star (0), Fork (0), and Settings.

reprograma / On4-git-e-github

Unwatch 5 | Star 0 | Fork 0 | Settings

Code Issues 0 Pull requests 0 Projects 0 Wiki Security Insights

Options

Collaborators & teams

Branches

Webhooks

Notifications

Integrations & services

Deploy keys

Security alerts

Moderation

Interaction limits

Default repository permission

The repograma organization has their default repository permission set to admin. This means that every member of this organization has admin access to this repository, regardless of the team and collaborator access specified below.

To change or remove this organization's default repository permission, contact one of the organization's owners.

Teams

+ Create new team

No teams have been given access to this repository yet.

Collaborators

Maichilydia Organization Member X

Adicionando colaboradora

 Awaiting brunasaraiva's response	Write ▾	Copy invite link ▾	Cancel invite
 Awaiting priscilaschimidt's response	Write ▾	Copy invite link ▾	Cancel invite
 Aline Soares Awaiting linesoares's response	Write ▾	Copy invite link ▾	Cancel invite
 Júlia Cunha Awaiting juuliacunha's response	Write ▾	Copy invite link ▾	Cancel invite
Search by username, full name or email address You'll only be able to find a GitHub user by their email address if they've chosen to list it publicly. Otherwise, use their username instead.			
<input type="text" value="backinkan"/>		Add collaborator	
 backinkansas Milena Martins			

Colaboradora recebe um e-mail e precisa aceitar

Screenshot of a GitHub repository settings page showing default repository permissions and collaborator list.

Default repository permission

The **reprograma** organization has their default repository permission set to **admin**. This means that every member of this organization has **admin** access to this repository, regardless of the team and collaborator access specified below.

To change or remove this organization's default repository permission, contact one of the organization's **owners**.

Teams [+ Create new team](#)

No teams have been given access to this repository yet.

Collaborators

 tammuzs	Write ▾	X
 Leonara Lorini leonarah	Write ▾	X
 cm-java-frameworks ERIKASOBRAL	Write ▾	X

Colaboradora aceitando convite

≡  **reprograma / On3-git-e-github** 

Code Issues 0 Pull requests 0 Projects 0 Wiki





cintiafumi invited you to collaborate

[Accept invitation](#) [Decline](#)

Is this user sending spam or malicious content?
[Block @cintiafumi.](#)

 Desktop version Sign out

Fluxo de uma colaboradora

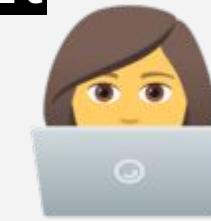
Repositório do projeto já existe...
Então já tem .git também!



Baixando o projeto



```
git clone https://.../.git
```



Clonando o projeto

Indo até o projeto e copiando o link do repositório

<https://github.com/reprograma/On11-TodasEmTech-s1-git.git>

The screenshot shows a GitHub repository page for 'reprograma / On4-git-e-github'. The page includes navigation links for Code, Issues (0), Pull requests (0), Projects (0), Wiki, Security, Insights, and Settings. Below the navigation is a summary bar with 2 commits, 1 branch, 0 releases, and 1 contributor. A 'Manage topics' link is also present. At the top right, there are Unwatch (5), Star (0), Fork (0) buttons, and an 'Edit' link. The main area lists several branches: '1-exercicio-bash', '2-exercicio-git-config', '3-exercicio-local-remoto', '4-exercicio-clone', and '5-exercicio-projeto-aula', all labeled 'Adding exercises'. A prominent green 'Clone or download' button is located at the bottom right of the page. A yellow arrow points to the 'Clone with HTTPS' field, which contains the URL <https://github.com/reprograma/On4-git-e-...>.

reprograma / On4-git-e-github

Unwatch 5 | Star 0 | Fork 0

Code | Issues 0 | Pull requests 0 | Projects 0 | Wiki | Security | Insights | Settings

Turma Online 4 | Front-end | 2019 | Semana 3 | Git e Github | Edit

Manage topics

2 commits | 1 branch | 0 releases | 1 contributor

Branch: master | New pull request | Create new file | Upload files | Find file | Clone or download

MaichiLydia Adding exercises

1-exercicio-bash Adding exercises

2-exercicio-git-config Adding exercises

3-exercicio-local-remoto Adding exercises

4-exercicio-clone Adding exercises

5-exercicio-projeto-aula Adding exercises

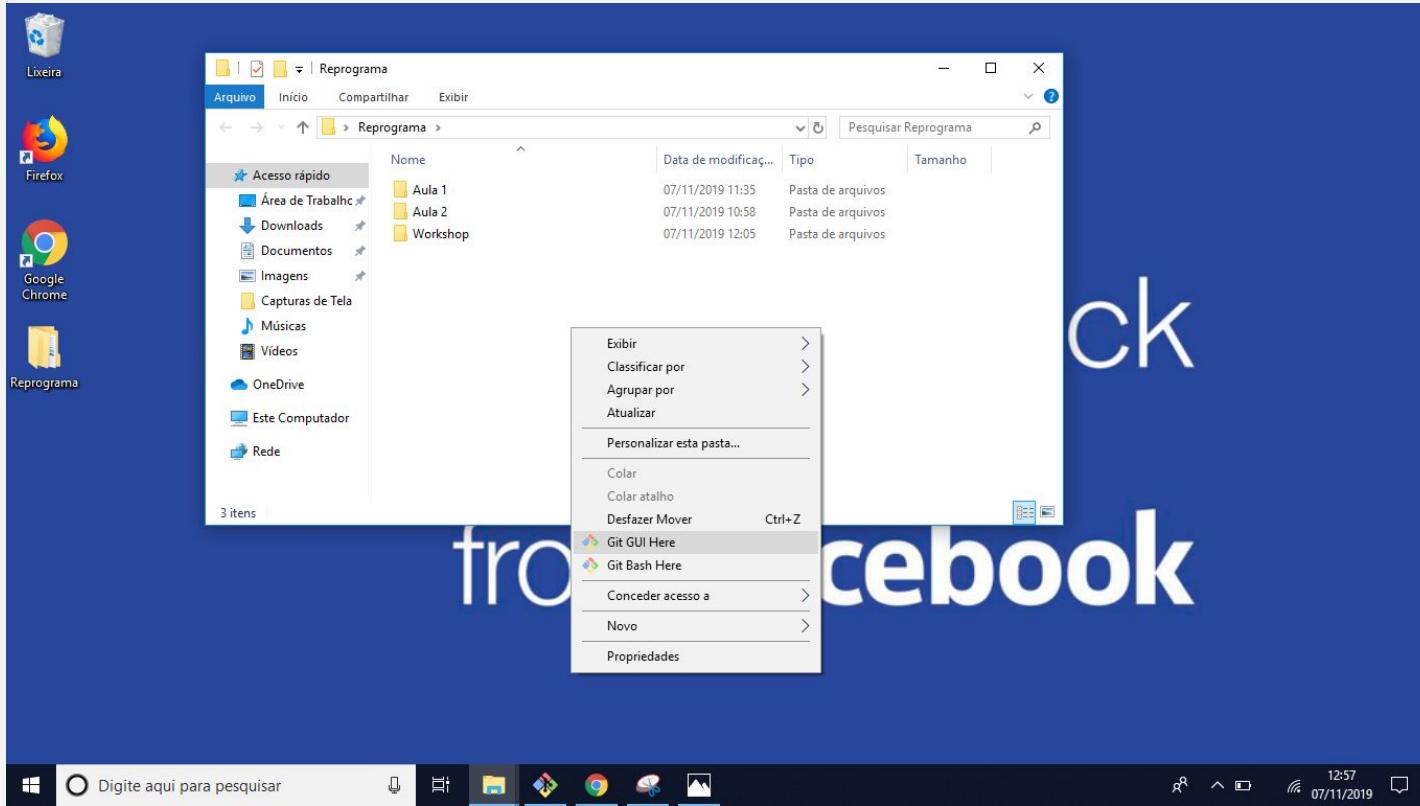
Clone with HTTPS Use SSH

Use Git or checkout with SVN using the web URL.

<https://github.com/reprograma/On4-git-e-...>

Open in Desktop | Download ZIP

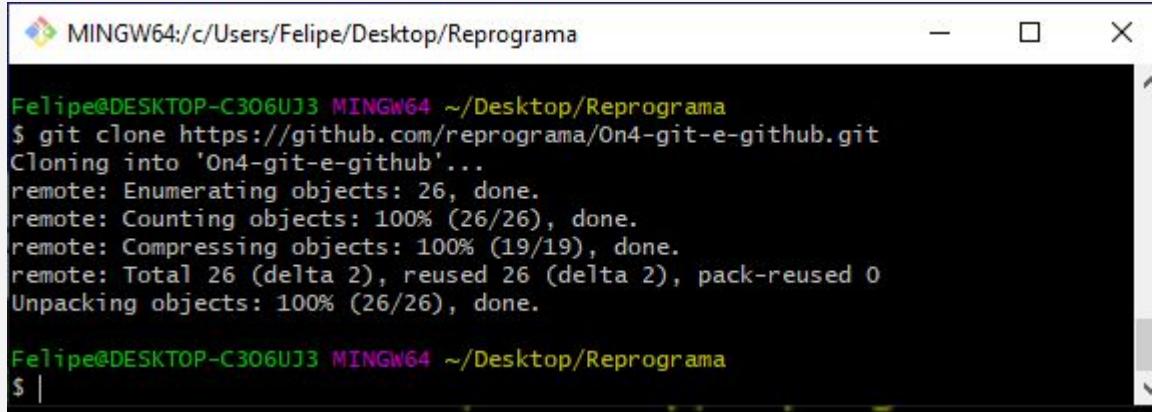
Abrindo o Git Bash onde você quer colocar esse projeto



Clonando um repositório remoto para sua máquina

```
git clone
```

```
https://github.com/reprograma/On11-TodasEmTech-s1-git.git
```



A screenshot of a terminal window titled "MINGW64:/c/Users/Felipe/Desktop/Reprograma". The window shows the command \$ git clone https://github.com/reprograma/On4-git-e-github.git being run. The output of the command is displayed, showing the progress of cloning a repository from GitHub. The terminal window has a standard Windows-style title bar and a scroll bar.

```
Felipe@DESKTOP-C306UJ3 MINGW64 ~/Desktop/Reprograma
$ git clone https://github.com/reprograma/On4-git-e-github.git
Cloning into 'On4-git-e-github'...
remote: Enumerating objects: 26, done.
remote: Counting objects: 100% (26/26), done.
remote: Compressing objects: 100% (19/19), done.
remote: Total 26 (delta 2), reused 26 (delta 2), pack-reused 0
Unpacking objects: 100% (26/26), done.

Felipe@DESKTOP-C306UJ3 MINGW64 ~/Desktop/Reprograma
$ |
```

Entrando no repositório local

```
cd On11-TodasEmTech-s1
```

```
Felipe@DESKTOP-C306UJ3 MINGW64 ~/Desktop/Reprograma
$ cd On4-git-e-github/
```

Vamos verificar quantas branch's temos:

```
git branch -a
```

```
Felipe@DESKTOP-C306UJ3 MINGW64 ~/Desktop/Reprograma/On4-git-e-github (master)
$ git branch -a
* master
  remotes/origin/HEAD -> origin/master
  remotes/origin/master
```

Adicionar minha branch

Criando uma “cópia” do projeto para então alterá-lo

```
git checkout -b novaBranch
```

Não mexo no projeto na
branch master!

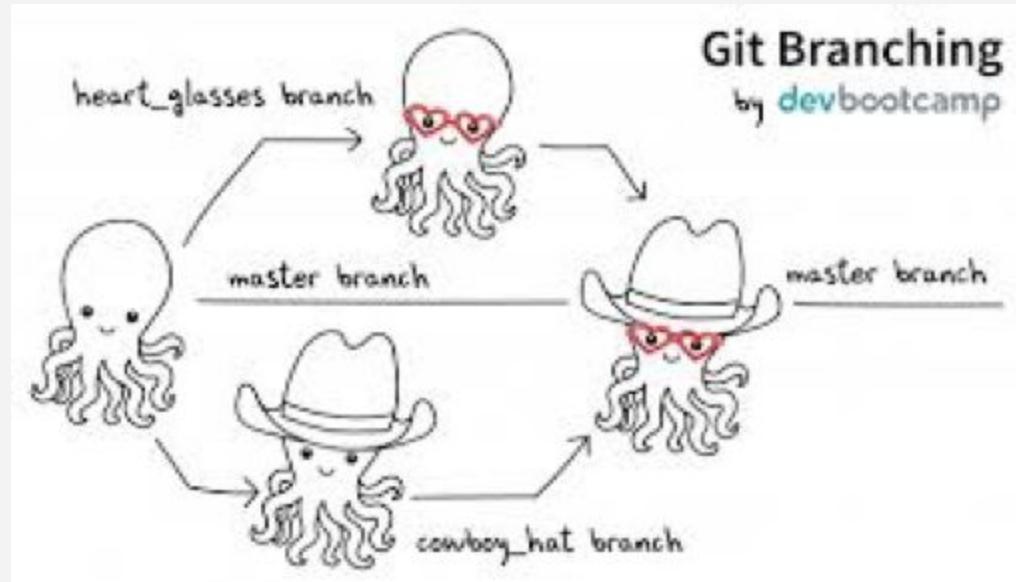


Altero o projeto que está
na branch nova



Criando branch

MAIN



Mudando de branch:

```
git checkout -b ex-aula-lydia
```

```
Felipe@DESKTOP-C306UJ3 MINGW64 ~/Desktop/Reprograma/On4-git-e-github (master)
$ git checkout -b ex-aula-lydia
Switched to a new branch 'ex-aula-lydia'
```

Checando em que branch estamos

```
git branch -a
```

```
Felipe@DESKTOP-C306UJ3 MINGW64 ~/Desktop/Reprograma/On4-git-e-github (ex-aula-lydia) ←
$ git branch -a
* ex-aula-lydia
  master
    remotes/origin/HEAD -> origin/master
    remotes/origin/master
```

Vamos alterar o site da pasta
5-exercicio-projeto-aula

Como está o index.html da pasta 5-exercicio-projeto-aula

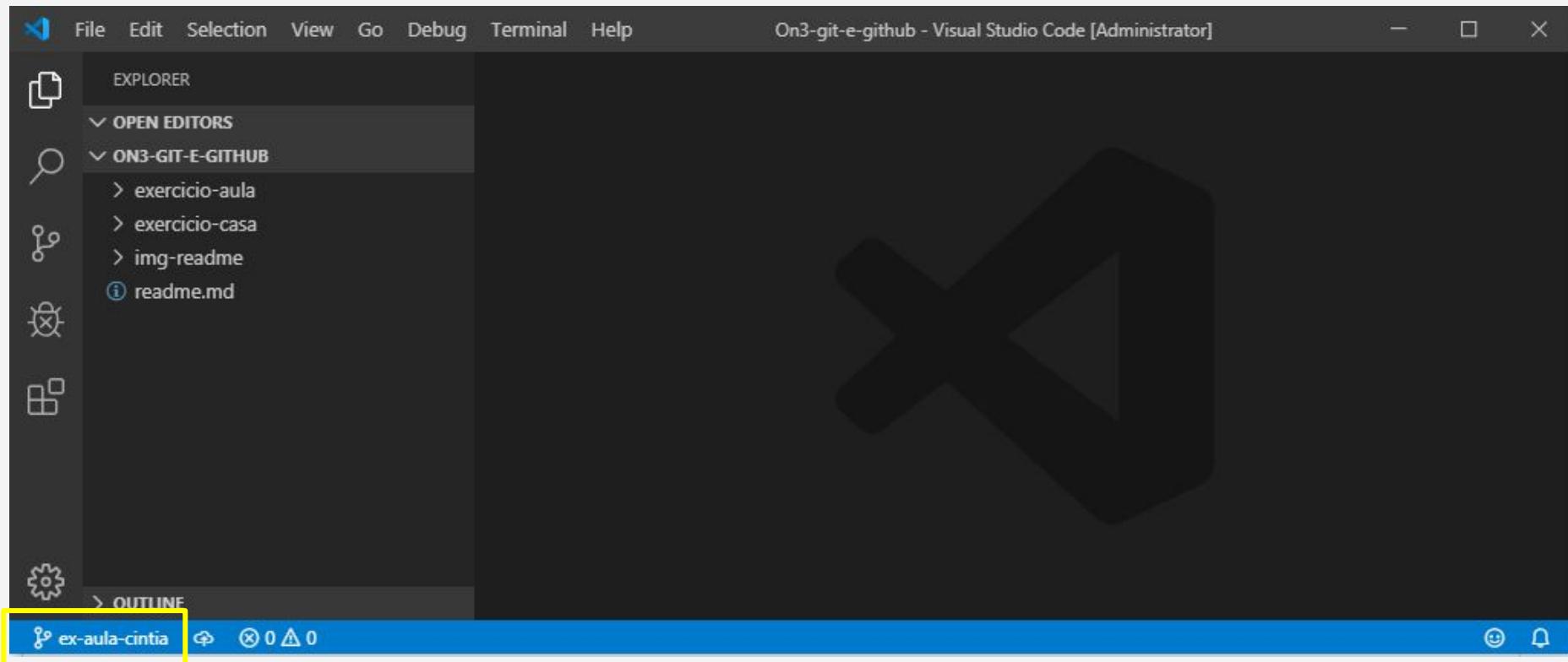


A screenshot of a web browser window displaying a table. The table has two columns: 'Nome' (Name) and 'Login GitHub' (GitHub Login). The rows list the names of students followed by the placeholder text 'Seu username do GitHub'. The browser interface includes standard navigation buttons (back, forward, search, etc.) and a tab bar showing the file path: Arquivo | C:/Users/Felipe/Desktop/Reprograma/On4-git-e-github/5-exercicio-projeto-aula/index.html.

Nome	Login GitHub
Lydia Rodrigues	Seu username do GitHub
Aline Cristina Soares	Seu username do GitHub
Ana Carolina Fuentes	Seu username do GitHub
Ana Luiza Artine	Seu username do GitHub
Andréa Patricia Malaquias Maia	Seu username do GitHub
Brenda Pereira Ornelas	Seu username do GitHub
Bruna da Silva Saraiva	Seu username do GitHub
Cleide Marsola Squarcini Pereira	Seu username do GitHub
Elaine Cristina Laurindo Rodrigues	Seu username do GitHub
Ester Fogaça Cantarim	Seu username do GitHub
Fabiana de Oliveira	Seu username do GitHub
Fabiola Macedo de Sousa Cuellas	Seu username do GitHub
Ghislaine Giudicelli Latorraca	Seu username do GitHub
Gisele de Souza Santos	Seu username do GitHub

Codando . . .

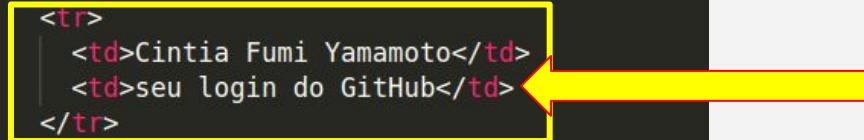
No VSCode



Alterar o código onde deixamos o seu nome, adicionar seu login

```
< index.html >

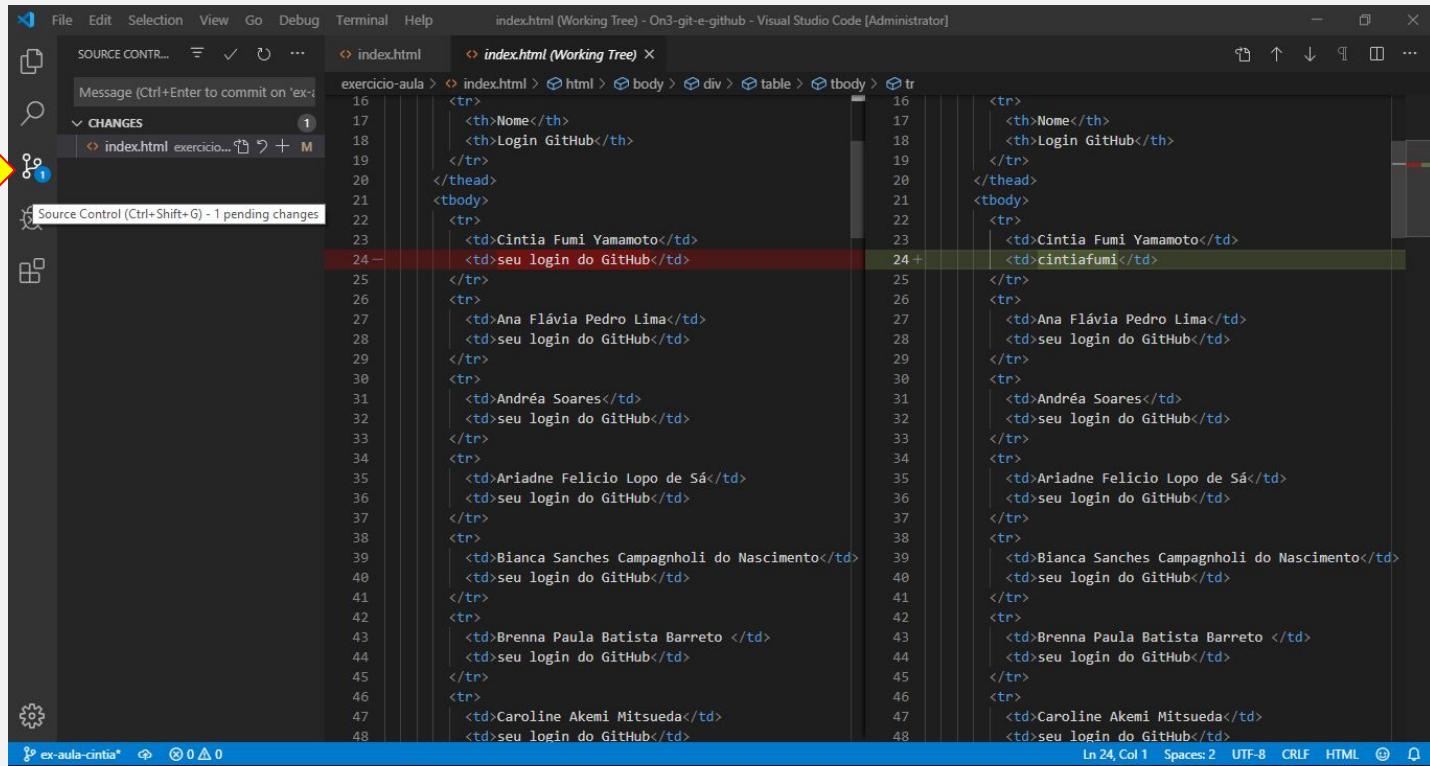
5-exercicio-projeto-aula > < index.html > ...
10  </head>
11
12  <body>
13    <div>
14      <table>
15        <thead>
16          <tr>
17            <th>Nome</th>
18            <th>Login GitHub</th>
19          </tr>
20        </thead>
21        <tbody>
22          <tr>
23            <td>Cintia Fumi Yamamoto</td>
24            <td>seu login do GitHub</td>
25          </tr>
26          <tr>
27            <td>Ana Flávia Pedro Lima</td>
28            <td>seu login do GitHub</td>
29          </tr>
```



Visualizando a alteração no site



Verificando alterações no VSCode:



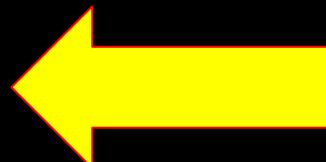
The screenshot shows the Visual Studio Code interface with the following details:

- Title Bar:** index.html (Working Tree) - On3-git-e-github - Visual Studio Code [Administrator]
- Sidebar:** Shows the file structure and a "Source Control (Ctrl+Shift+G) - 1 pending changes" message. A yellow arrow points to the Source Control icon.
- Editor:** Displays a diff view of the "index.html" file. The left column shows the original code, and the right column shows the modified code. The modification at line 24 is highlighted with a red background.
- Code Content:**

```
<tr>
    <td>Nome</td>
    <td>Login GitHub</td>
</tr>
</thead>
<tbody>
    <tr>
        <td>Cintia Fumi Yamamoto</td>
        <td>seu login do GitHub</td>
    </tr>
    <tr>
        <td>Ana Flávia Pedro Lima</td>
        <td>seu login do GitHub</td>
    </tr>
    <tr>
        <td>Andréa Soares</td>
        <td>seu login do GitHub</td>
    </tr>
    <tr>
        <td>Ariadne Felicio Lopo de Sá</td>
        <td>seu login do GitHub</td>
    </tr>
    <tr>
        <td>Bianca Sanches Campagnholi do Nascimento</td>
        <td>seu login do GitHub</td>
    </tr>
    <tr>
        <td>Brenna Paula Batista Barreto </td>
        <td>seu login do GitHub</td>
    </tr>
    <tr>
        <td>Caroline Akemi Mitsueda</td>
        <td>seu login do GitHub</td>
    </tr>
```
- Status Bar:** Ln 24 Col 1 Spaces: 2 UTF-8 CRLF HTML

Verificando alterações no Git Bash: git diff

```
Administrador@EH340 MINGW64 ~/Desktop/Reprograma/On3-git-e-github (ex-aula-cintia)
$ git diff
diff --git a/exercicio-aula/index.html b/exercicio-aula/index.html
index 02b0f1f..0eb9f82 100644
--- a/exercicio-aula/index.html
+++ b/exercicio-aula/index.html
@@ -21,7 +21,7 @@
      <tbody>
        <tr>
          <td>Cintia Fumi Yamamoto</td>
-          <td>seu login do GitHub</td>
+          <td>cintiafumi</td>
        </tr>
        <tr>
          <td>Ana Flávia Pedro Lima</td>
```



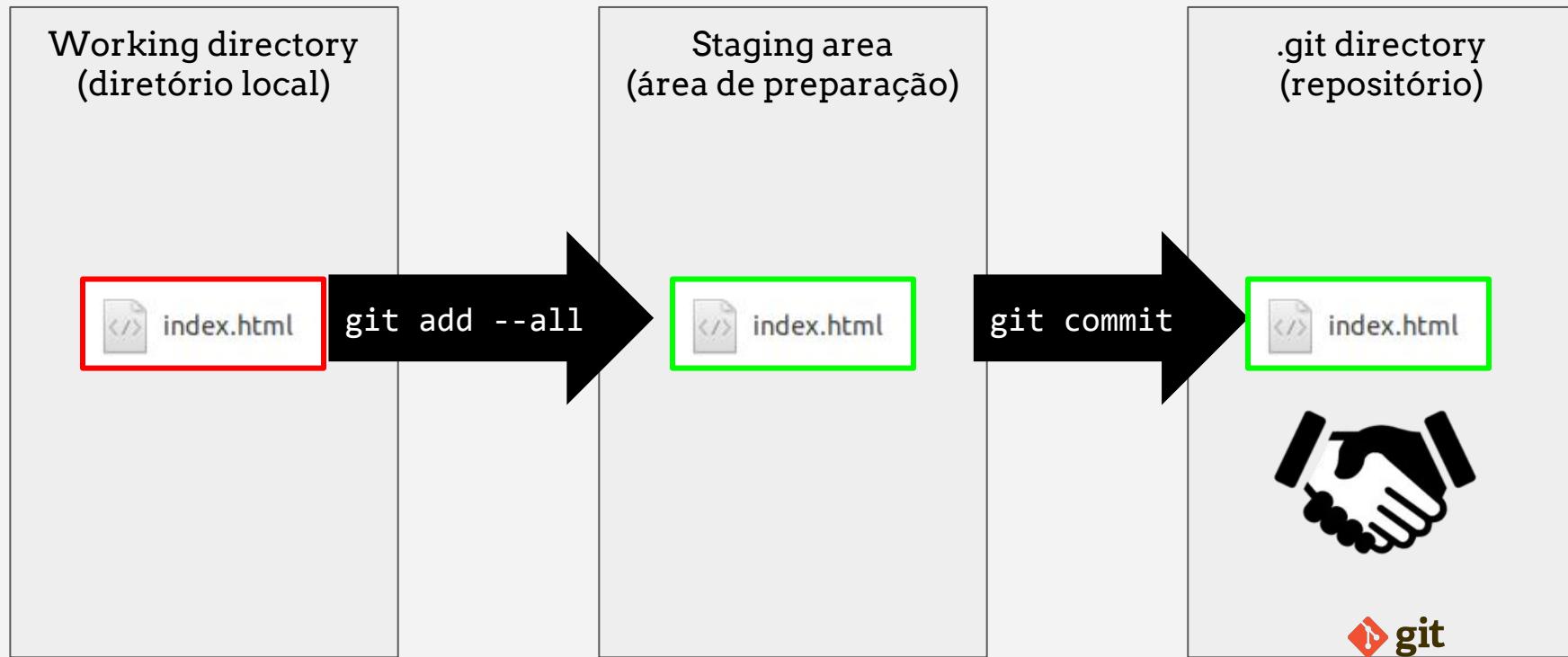
```
Administrador@EH340 MINGW64 ~/Desktop/Reprograma/On3-git-e-github (ex-aula-cintia)
$ |
```

Verificando status no Git Bash: git status

```
Administrador@EH340 MINGW64 ~/Desktop/Reprograma/On3-git-e-github (ex-aula-cintia)
$ git status
On branch ex-aula-cintia
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:   exercicio-aula/index.html

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

Fazer commit no repositório local da sua branch



Salvando alterações na branch

```
git add --all  
git commit -m "Mensagem"
```



```
1 <!DOCTYPE html>  
2 <html lang="en">  
3   <head>  
4     <meta charset="utf-8">  
5     <meta name="Keywords" content="mark amayy, etc">  
6     <meta name="Description" content="Mark Amayy...">  
7     <meta name="author" content="Mark Amayy">  
8     <meta name="ROBOTS" content="INDEX,FOLLOW">  
9     <title>Web Code Central</title>  
10    <link rel="stylesheet" href="css/reset.css" type="text/css" media="screen" />  
11  </head>  
12 <body>  
13 <!--start contactable -->  
14 <script type="text/javascript" src="js/jquery.validate.pack.js"></script>  
15 <script type="text/javascript" src="js/jquery.contactable.js"></script>  
16 <link rel="stylesheet" href="css/contactable.css" type="text/css" />  
17 <script>(function(){if('#contactable').contactable({subject: 'feedback URL':location  
18 .href});});</script>  
19 <!--end contactable -->  
20 <div id="wrap">  
21   <header id="top">  
22     <img group>  
23       <a href="/" class="logo">  
24         <img alt="Logo of Mark Amayy" />  
25       </a>  
26     </header>
```



Codando... Salvando...

Adicionar alterações: git add --all ou git add .
Verificar o status novamente: git status

```
Administrador@EH340 MINGW64 ~/Desktop/Reprograma/On3-git-e-github (ex-aula-cintia)
$ git add .

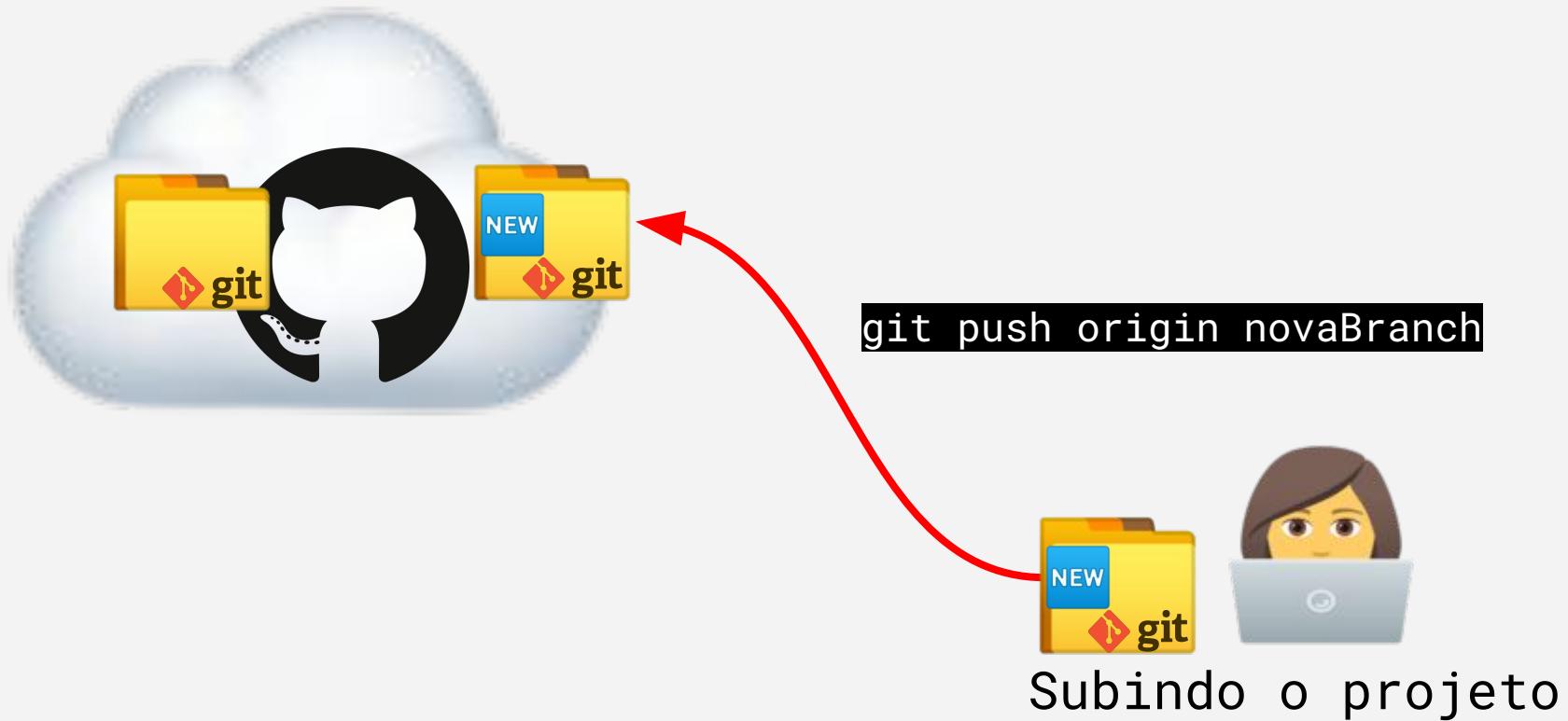
Administrador@EH340 MINGW64 ~/Desktop/Reprograma/On3-git-e-github (ex-aula-cintia)
$ git status
On branch ex-aula-cintia
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    modified:   exercicio-aula/index.html
```

Comrometer-se às alterações: git commit -m "msg"

```
Administrador@EH340 MINGW64 ~/Desktop/Reprograma/On3-git-e-github (ex-aula-cintia)
$ git commit -m "Adicionando login de cintiafumi"
[ex-aula-cintia a922257] Adicionando login de cintiafumi
 1 file changed, 1 insertion(+), 1 deletion(-)
```

De colaboradora para o
repositório remoto

Subindo o projeto



Verificação do endereço remoto:

```
git remote -v
```

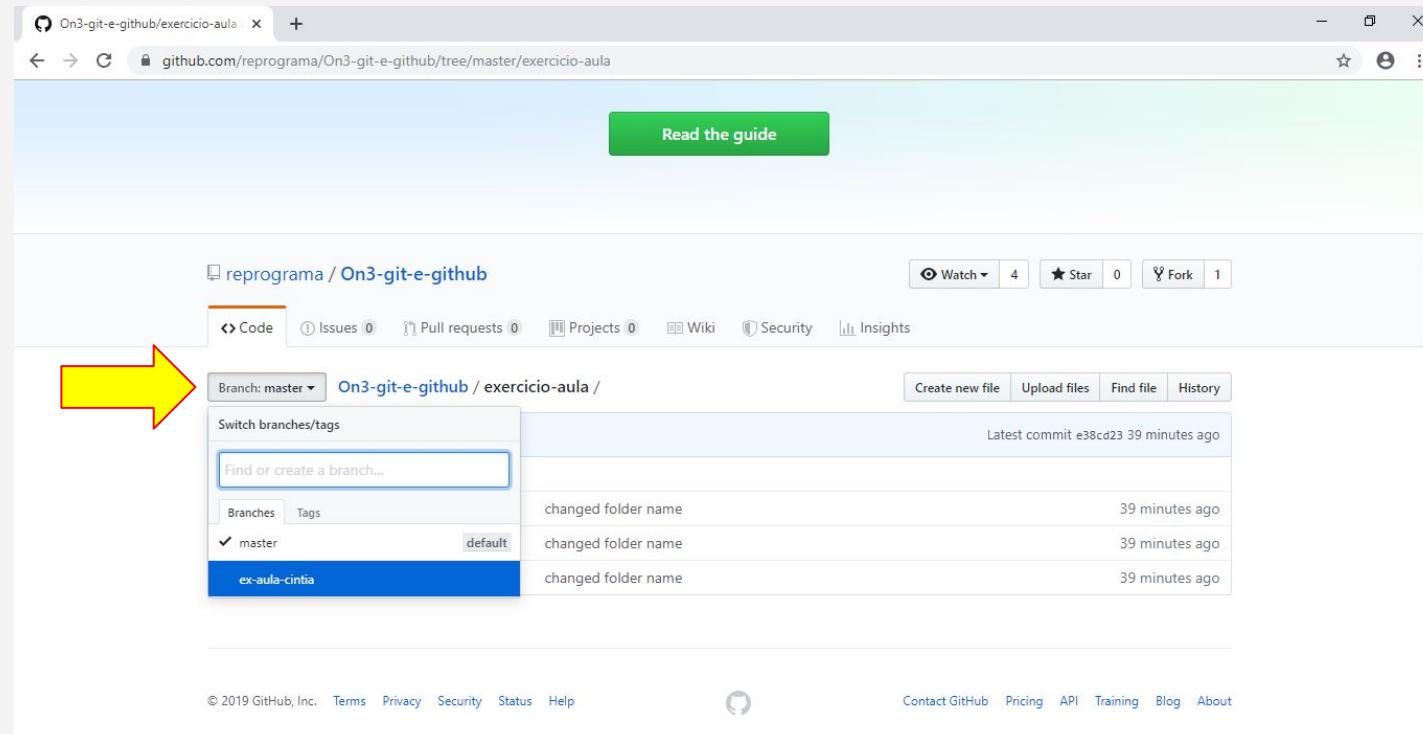
```
Administrador@EH340 MINGW64 ~/Desktop/Reprograma/On3-git-e-github (ex-aula-cintia)
$ git remote -v
origin https://github.com/reprograma/On3-git-e-github.git (fetch)
origin https://github.com/reprograma/On3-git-e-github.git (push)
```

Subir alterações para o repositório remoto

git push origin <novo galho>

```
Administrador@EH340 MINGW64 ~/Desktop/Reprograma/On3-git-e-github (ex-aula-cintia)
$ git push origin ex-aula-cintia
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 4 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 434 bytes | 434.00 KiB/s, done.
Total 4 (delta 2), reused 0 (delta 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local object
s.
remote:
remote: Create a pull request for 'ex-aula-cintia' on GitHub by vis
iting:
remote:     https://github.com/reprograma/On3-git-e-github/pull/ne
w/ex-aula-cintia
remote:
To https://github.com/reprograma/On3-git-e-github.git
 * [new branch]      ex-aula-cintia -> ex-aula-cintia
```

Verificar alterações no repositório remoto



A screenshot of a web browser displaying a GitHub repository page. The URL in the address bar is `github.com/reprograma/On3-git-e-github/tree/master/exercicio-aula`. The page shows a green button labeled "Read the guide". Below it, there's a header with the repository name "reprograma / On3-git-e-github" and statistics: Watch (4), Star (0), Fork (1). The main navigation tabs are Code, Issues (0), Pull requests (0), Projects (0), Wiki, Security, and Insights. A yellow arrow points to the "Branch: master" dropdown menu. The dropdown menu shows "Switch branches/tags" and a search input field "Find or create a branch...". It lists three branches: "master" (selected and marked with a checkmark), "ex-aula-cintia" (highlighted with a blue background), and "default". To the right of the dropdown, a table lists recent commits:

Commit Message	Time Ago
changed folder name	39 minutes ago
changed folder name	39 minutes ago
changed folder name	39 minutes ago

At the bottom of the page, there are links for GitHub, Inc., Terms, Privacy, Security, Status, Help, Contact GitHub, Pricing, API, Training, Blog, and About.

Como ficou a árvore: a colaboradora criou um histórico que está salvo num galho a parte (branch)



Tweet



- Uma pessoa tem o repositório
convida colaboradoras
- Colaboradoras aceitam convite
(via e-mail)
- Colaboradoras:
clona > entra na pasta
localmente > verifica
branchs existentes > cria
sua branch > entra na sua
branch > altera o código >
visualiza alteração
navegador > visualiza
alteração no terminal >
commits alteração > dá
push

Dúvidas?

Solicitar que sua contribuição vá para a branch principal **main**

Solicitando aprovação de alteração e dando merge no projeto

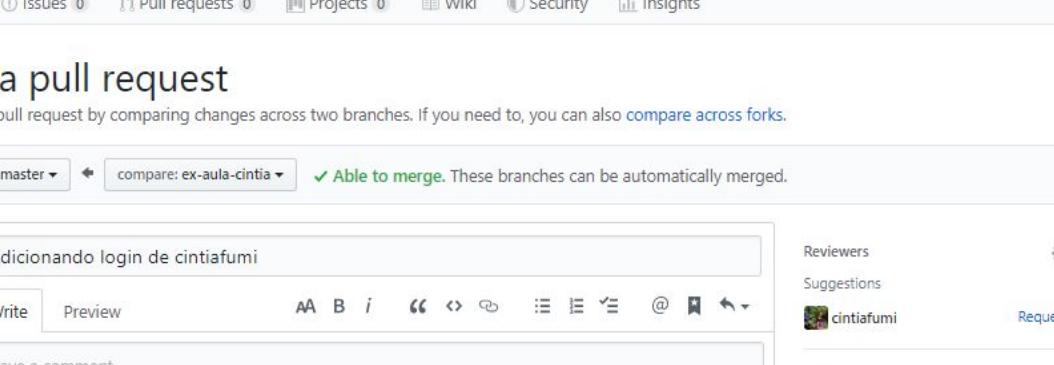


Solicitar inclusão de código da colaboradora para master: Compare & pull request

The screenshot shows a GitHub repository page for 'reprograma / On3-git-e-github'. The top navigation bar includes 'Watch' (4), 'Star' (0), and 'Fork' (1). Below the bar, there are tabs for 'Code', 'Issues 0', and 'Pull requests 0' (which is highlighted with a red box). A modal window titled 'Label issues and pull requests for new contributors' provides instructions for GitHub's first-time contributor program, with a 'Dismiss' button.

Below the modal, a section titled 'Your recently pushed branches:' lists 'ex-aula-cintia (8 minutes ago)'. To the right of this branch name is a green button labeled 'Compare & pull request' with a yellow arrow pointing towards it. At the bottom of the page, there are filters ('Filters', 'is:pr is:open'), a search bar, and buttons for 'Labels 9', 'Milestones 0', 'New pull request', and sorting ('Sort').

Vai abrir essa página:

A screenshot of a GitHub pull request interface. At the top, there's a header with the repository name "reprograma / On3-git-e-github" and various navigation links like Code, Issues (0), Pull requests (0), Projects (0), Wiki, Security, and Insights. Below the header, a large title says "Open a pull request". A sub-instruction says "Create a new pull request by comparing changes across two branches. If you need to, you can also compare across forks." The main area shows a comparison between "base: master" and "compare: ex-aula-cintia". It indicates that the branches are "Able to merge". The pull request form itself has a title "Adicionando login de cintiafumi", a "Write" tab selected, and a "Preview" tab. There are rich text editing tools above the editor. The editor area contains placeholder text "Leave a comment." and "Attach files by dragging & dropping, selecting or pasting them." To the right of the editor, there are several configuration sections: "Reviewers" (cintiafumi, Request), "Suggestions" (disabled), "Assignees" (No one—assign yourself), "Labels" (None yet), "Projects" (None yet), and "Milestone" (No milestone). At the bottom right is a prominent green button labeled "Create pull request".

Verificando diferença de código da colaboradora

-o 1 commit 1 file changed 0 commit comments 1 contributor

Commits on Nov 07, 2019

cintiafumi Adicionando login de cintiafumi a922257

Showing 1 changed file with 1 addition and 1 deletion.

Unified Split

2 ejercicio-aula/index.html

	@@ -21,7 +21,7 @@
21	21 <tbody>
22	22 <tr>
23	23 <td>Cintia Fumi Yamamoto</td>
24	- <td>seu login do GitHub</td>
24	+ <td>cintiafumi</td>
25	25 </tr>
26	26 <tr>
27	27 <td>Ana Flávia Pedro Lima</td>

Pull request de base:master ← compare: ex-aula-cintia

The screenshot shows the GitHub interface for creating a pull request. At the top, the repository name is reprograma / On3-git-e-github. The navigation bar includes Watch (4), Star (0), Fork (1), and tabs for Code, Issues (0), Pull requests (0), Projects (0), Wiki, Security, and Insights.

The main area is titled "Open a pull request" with the sub-instruction: "Create a new pull request by comparing changes across two branches. If you need to, you can also compare across forks." A red box highlights the dropdown menus for "base: master" and "compare: ex-aula-cintia". To the right of these dropdowns, a green checkmark indicates "Able to merge. These branches can be automatically merged."

The pull request form contains fields for "Write" and "Preview", rich text editing tools, and a "Leave a comment" text area. Below the comment area is a "Attach files" section. At the bottom right of the form is a large green "Create pull request" button.

On the right side of the screen, there are configuration sections for "Reviewers", "Suggestions", "Assignees", "Labels", "Projects", and "Milestone". The "Assignees" section shows "cintiafumi" with a "Request" status. The "Milestone" section has a yellow arrow pointing to it with the text "No milestone".

Solicitar a revisão de código para professora

The screenshot shows a GitHub pull request page for the repository `reprograma / On3-git-e-github`. The pull request is titled "Adicionando login de cintiafumi #2" and is marked as "Open". It has 1 commit from the branch `ex-aula-cintia` into the `master` branch. The pull request details include:

- Conversation: 0
- Commits: 1
- Checks: 0
- Files changed: 1

The commit message is "Adicionando login de cintiafumi". A comment from user `usernov` states "No description provided." The pull request sidebar shows the following settings:

- Reviewers: `cintiafumi` (with a yellow arrow pointing to it)
- Suggestions: None
- Assignees: None—assign yourself
- Labels: None yet
- Projects: None yet
- Milestone: None

A message at the bottom indicates that merging is blocked because the base branch restricts merging to authorized users.

Como está a árvore agora:



Aguardando aprovação...

Para isso... a dona do
repositório precisou fazer o
[merge](#) lá no GitHub

Merge realizado?



Agora a árvore ficou assim após a fusão merge:



Parabéns!
Você contribuiu com um projeto \o/



Tweet



- Uma pessoa tem o repositório
convida colaboradoras
- Colaboradoras aceitam convite
(via e-mail)
- Colaboradoras:
 - clona > entra na pasta
localmente > verifica
branchs existentes > cria
sua branch > entra na sua
branch > altera o código >
visualiza alteração
navegador > visualiza
alteração no terminal >
commits alteração > dá
push
- Dona do repositório faz
“merge”

Dúvidas?

Ufa!

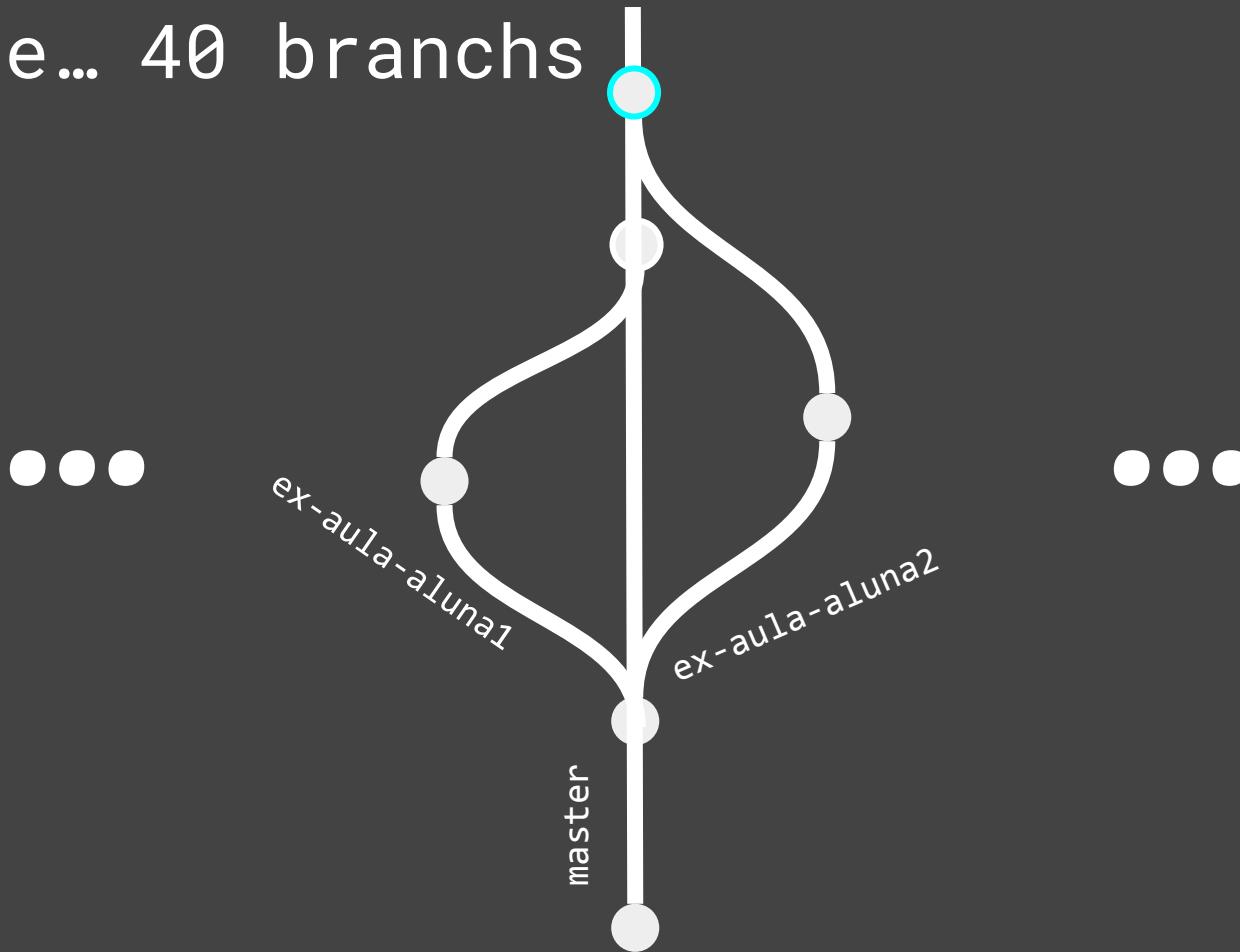


Após aprovados os pull
requests

Approve e Merge das branch's das colaboradoras



Árvore... 40 branches



Atualizando o repositório local

Voltar para branch master: git checkout master

```
Felipe@DESKTOP-C306UJ3 MINGW64 ~/Desktop/Reprograma/On4-git-e-github (ex-aula-lydia)
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
```

Atualizando a branch master: git pull origin master

```
Felipe@DESKTOP-C306UJ3 MINGW64 ~/Desktop/Reprograma/On4-git-e-github (master)
$ git pull origin master
remote: Enumerating objects: 1, done.
remote: Counting objects: 100% (1/1), done.
remote: Total 1 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (1/1), done.
From https://github.com/reprograma/On4-git-e-github
 * branch            master      -> FETCH_HEAD
   39399f3..58dcc93  master      -> origin/master
Updating 39399f3..58dcc93
Fast-forward
 5-exercicio-projeto-aula/{readme.md => exercicio5.md} | 16 ++++++-----
 5-exercicio-projeto-aula/index.html                  |  4 +++
 6-exercicio-pull/exercicio6.md                      |  0
 3 files changed, 12 insertions(+), 8 deletions(-)
 rename 5-exercicio-projeto-aula/{readme.md => exercicio5.md} (87%)
 create mode 100644 6-exercicio-pull/exercicio6.md
```

Visualizando o resultado no navegador...

Visualizar o projeto no navegador...



Deletando sua branch no
repositório local

Deletar sua branch: git branch -d <sua branch>

```
Felipe@DESKTOP-C306UJ3 MINGW64 ~/Desktop/Reprograma/On4-git-e-github (master)
$ git branch -d ex-aula-lydia
Deleted branch ex-aula-lydia (was e7f6b64).

Felipe@DESKTOP-C306UJ3 MINGW64 ~/Desktop/Reprograma/On4-git-e-github (master)
$ git branch -a
* master
  remotes/origin/HEAD -> origin/master
  remotes/origin/ex-aula-lydia
  remotes/origin/master

Felipe@DESKTOP-C306UJ3 MINGW64 ~/Desktop/Reprograma/On4-git-e-github (master)
$ git fetch --all
Fetching origin

Felipe@DESKTOP-C306UJ3 MINGW64 ~/Desktop/Reprograma/On4-git-e-github (master)
$ git remote prune origin
Pruning origin
URL: https://github.com/reprograma/On4-git-e-github.git
 * [pruned] origin/ex-aula-lydia

Felipe@DESKTOP-C306UJ3 MINGW64 ~/Desktop/Reprograma/On4-git-e-github (master)
$ git branch -a
* master
  remotes/origin/HEAD -> origin/master
  remotes/origin/master
```

Parabéns!

Seu repositório local está atualizado :*



Tweet



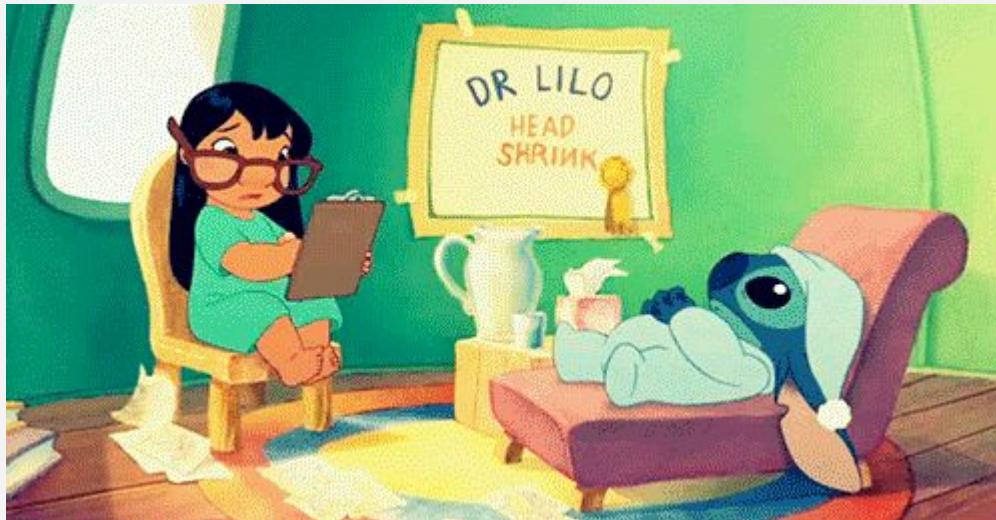
`git checkout master`

`git pull origin master`

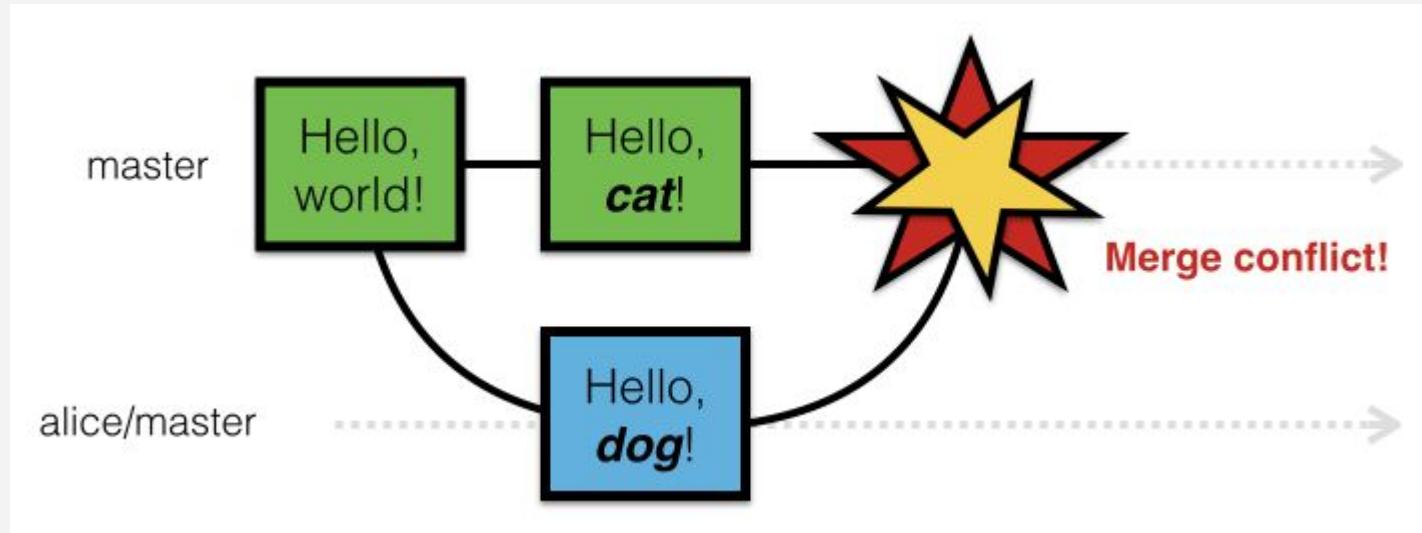
`git branch -d <sua branch>`

Dúvidas?

Lidando com conflitos (no git)



Como acontecem ?



Ao modificarmos a mesma linha ou deletar um arquivo

Ao executar merges: git pull origin master
É possível encontrarmos conflitos

```
lydia@lydia-ThinkPad-E480:~/workspace/Reprograma/On4-git-e-github$ git pull origin master
From https://github.com/reprograma/On4-git-e-github
 * branch            master    -> FETCH_HEAD
Mesclagem automática de 8-exercicio-conflito/index.html
CONFLITO (conteúdo): conflito de mesclagem em 8-exercicio-conflito/index.html
Automatic merge failed; fix conflicts and then commit the result.
```



Ao executar merges: `git pull origin master`
É possível encontrarmos conflitos

Caminhos não mesclados:

(usar "`git add <arquivo>...`" para marcar resolução)

ambos modificados: `B-exercício-conflito/index.html`

← mesmo arquivo modificado

Arquivos não monitorados:

(utilize "`git add <arquivo>...`" para incluir o que será submetido)

`B-exercício-conflito/exercício8.md`

nenhuma modificação adicionada à submissão (utilize "`git add`" e/ou "`git commit -a`")

Como eles são

```
Accept Current Change | Accept Incoming Change | Accept Both Changes | Compare Changes | S
<<<<<< HEAD (Current Change)
Versão A
=====
Versão B
>>>>> abda76a0c01813e60a30fff2878a4c0a61ae032e (Incoming Change)
```

Duas versões contraditórias(A e B),
separados por textos

```
<<<<<< HEAD
=====
>>>>>
```



Como eles são

```
<body>
Accept Current Change | Accept Incoming Change | Accept Both Changes | Compare Changes
<<<<< HEAD (Current Change)
A      <h1> Oi, meu nome é <b>Lydia Rodrigues</b></h1>
=====
B      <h1> Oi, meu nome é <b>Usuário teste</b></h1>
>>>> abda76a0c01813e60a30fff2878a4c0a61ae032e (Incoming Change
</body>
```

Como resolver

```
<body>
Accept Current Change | Accept Incoming Change | Accept Both Changes | Compare Changes
<<<<< HEAD (Current Change)
    <h1> Oi, meu nome é <b>Lydia Rodrigues</b></h1>
=====
    <h1> Oi, meu nome é <b>Usuário teste</b></h1>
>>>>> abda76a0c01813e60a30fff2878a4c0a61ae032e (Incoming Change
</body>
```

Será necessário escolher uma das opções ou as duas caso faça sentido

```
<body>
|   <h1> Oi, meu nome é <b>Lydia Rodrigues</b></h1>
</body>
```

Após decidido:

```
git add --all && commit -m "Conflito resolvido"
```

```
git push origin (sua branch)
```

Parabéns!

Primeiro conflito resolvido 🤝 (ツ)



Tweet



Após o pull em uma branch,
acontece um conflito

Ir até a IDE e escolher qual das
duas versões (ou as duas) irá
permanecer no código

```
git add --all && commit -m  
"Mensagem de conflito  
resolvido"
```

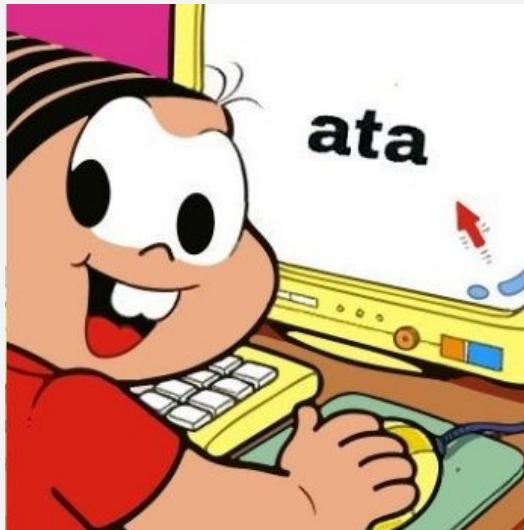
```
git push origin (sua  
branch)
```

Dúvidas?

Agora temos um desafio...



Exercício para casa



Clonar o repositório
On11-TodasEmTech-s1-git

Subir o repo com uma branch com
seu nome

Fazer alterações de código (passo
a passo no read.me da pasta do
exercício)

Adicionar, comitar e dar push na
sua branch

Abrir um PR (pull request) até **23:59**
do dia 15/08/2020

O exercício conta como uma
presença :)



Obrigada!

email: paulaalemand@gmail.com

twitter: paulaisdev