

Tutorial Git - Repositório Local

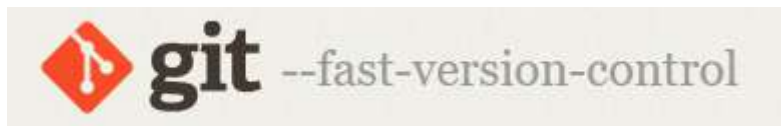
Esse material didático foi baseado do curso ministrado pelo Prof. Mayke Kend com a finalidade de auxiliar nos estudos, sem fins comerciais.

Curso: Git & GitHub - O essencial para iniciantes

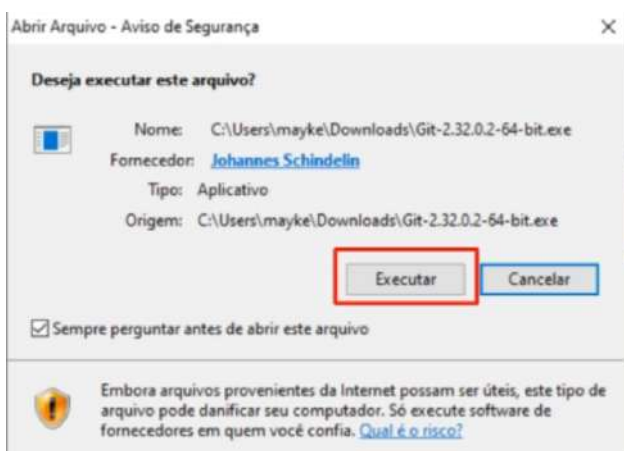
Origem - Udemy (Gratuito)

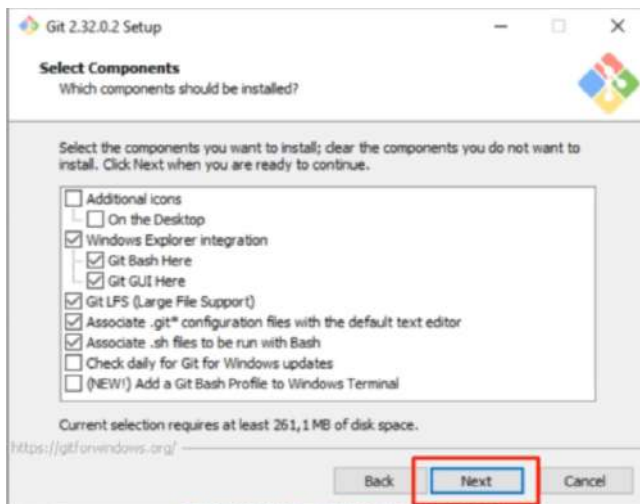
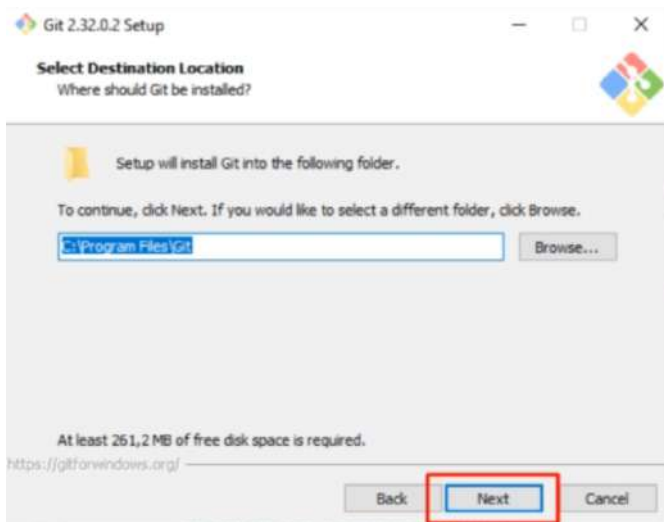


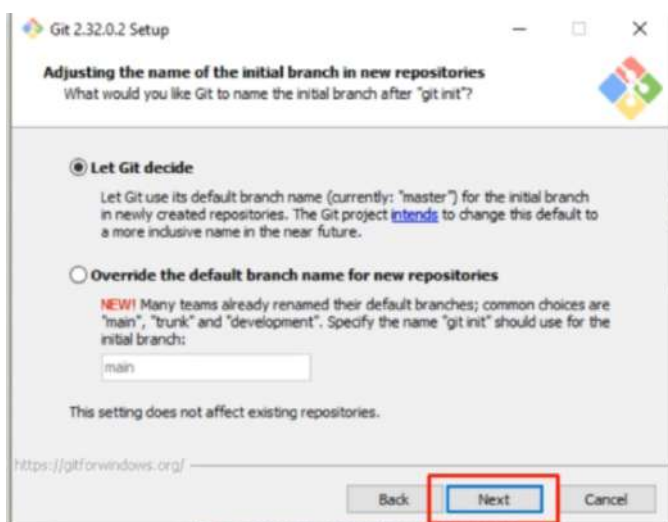
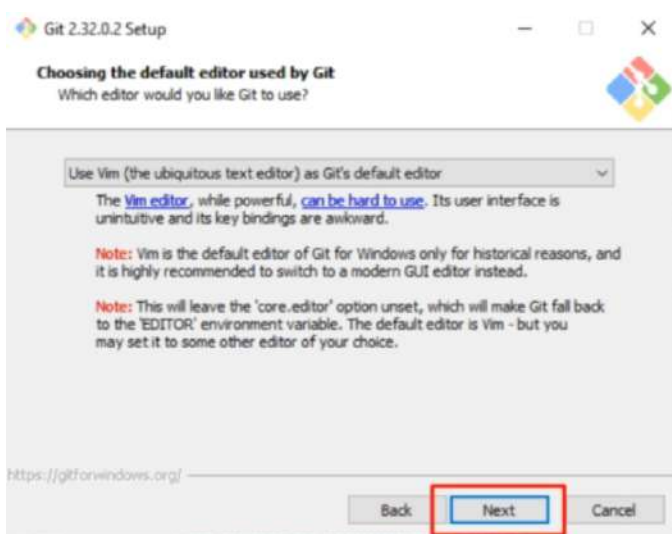
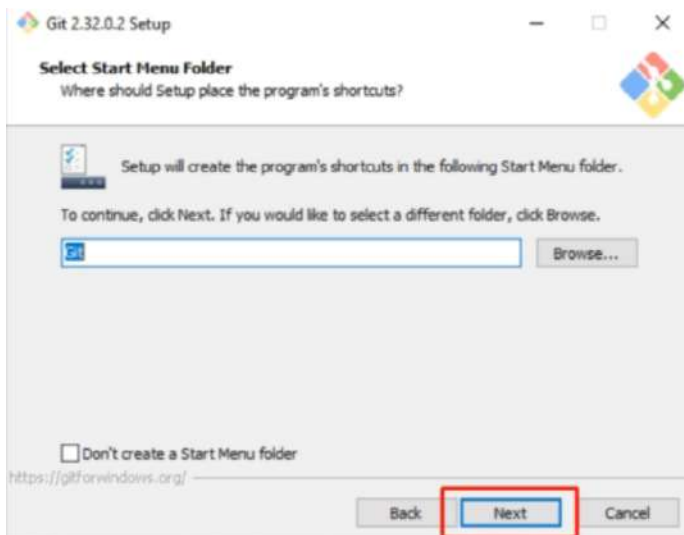
Mayke Kend
Instructor

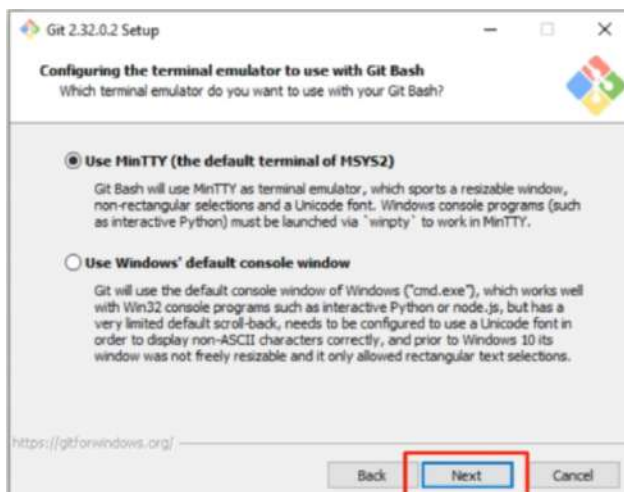
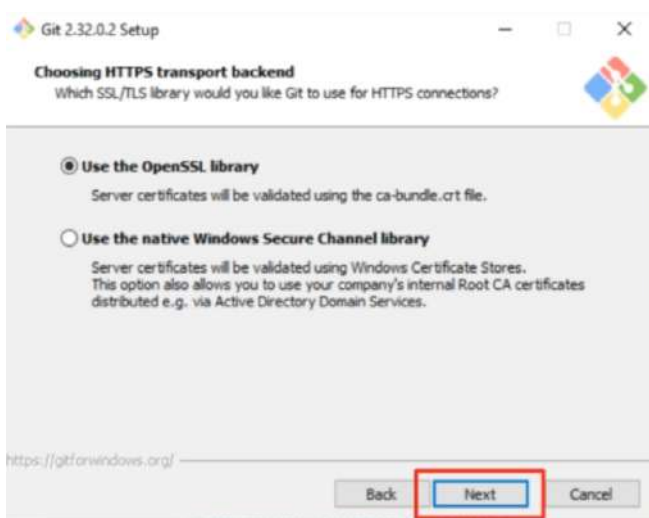
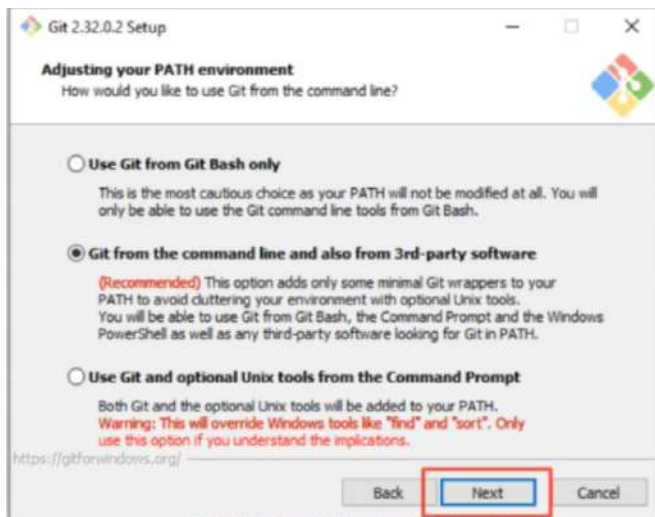


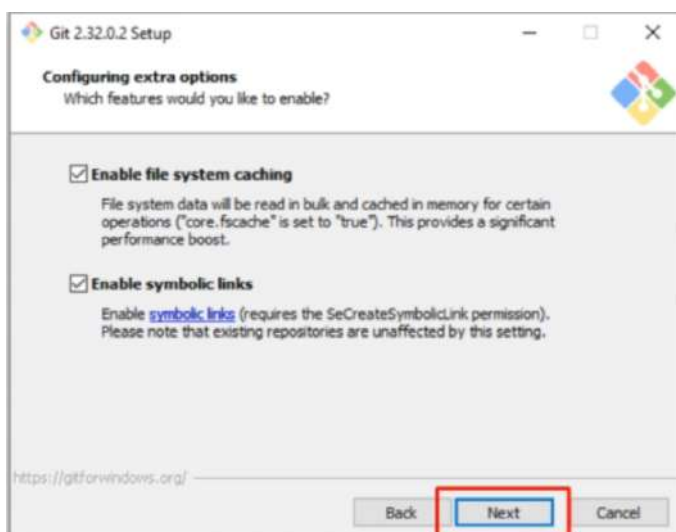
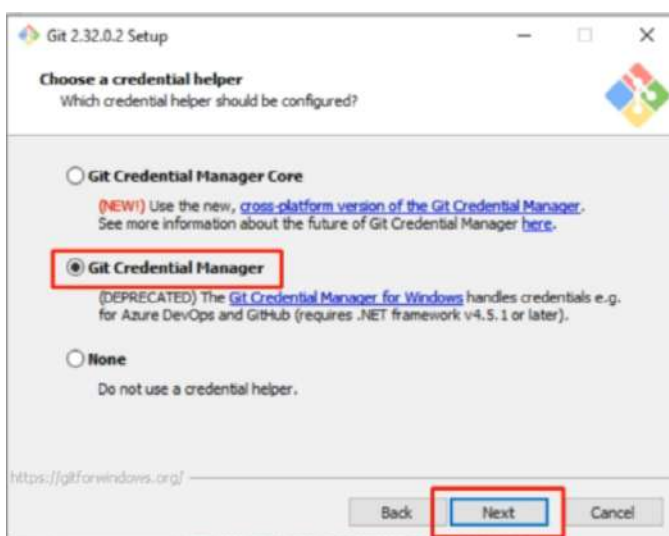
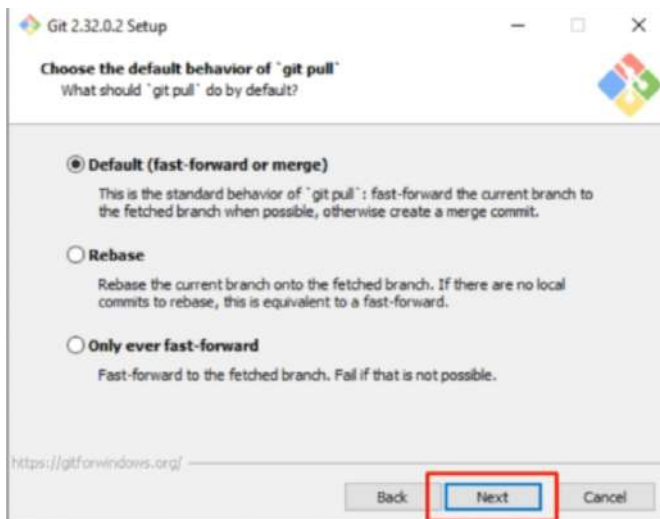
Baixar e instalar a versão de acordo com o sistema operacional 32 ou 64 bits no site oficial <https://git-scm.com> concluido a instalação é recomendado reiniciar o sistema.

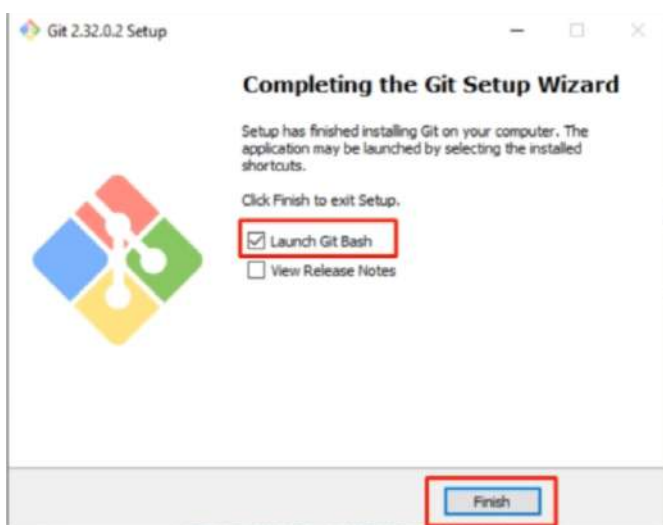
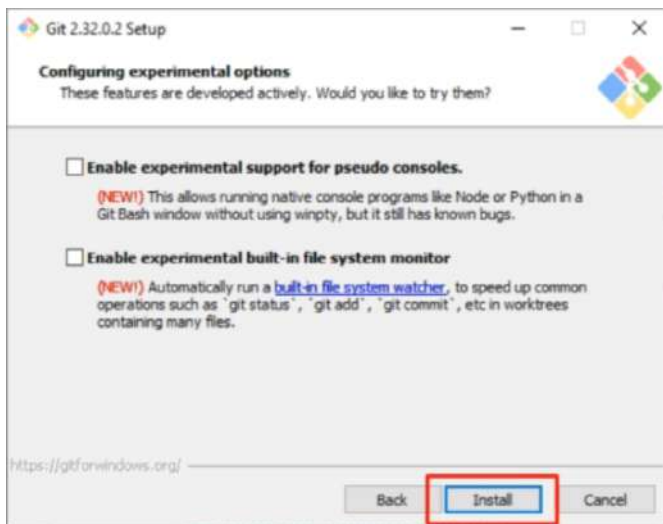












Abrir o Git Bash para certificar que a instalação foi executada com sucesso.

Digite: `git --version`

```
$ git --version  
git version 2.32.0.windows.2
```



Configurar o nome do usuário.

Digite: `git config --global user.name "Mayke"`

```
$ git config --global user.name "Mayke"
```



Configurar o email do usuário.

Digite: `git config --global user.email "maykekend@gmail.com"`

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



Confirmando se as informações nome de usuário e email foram salvas corretamente.

Digite: git config user.name

```
$ git config user.name  
Mayke
```



Digite: git config user.email

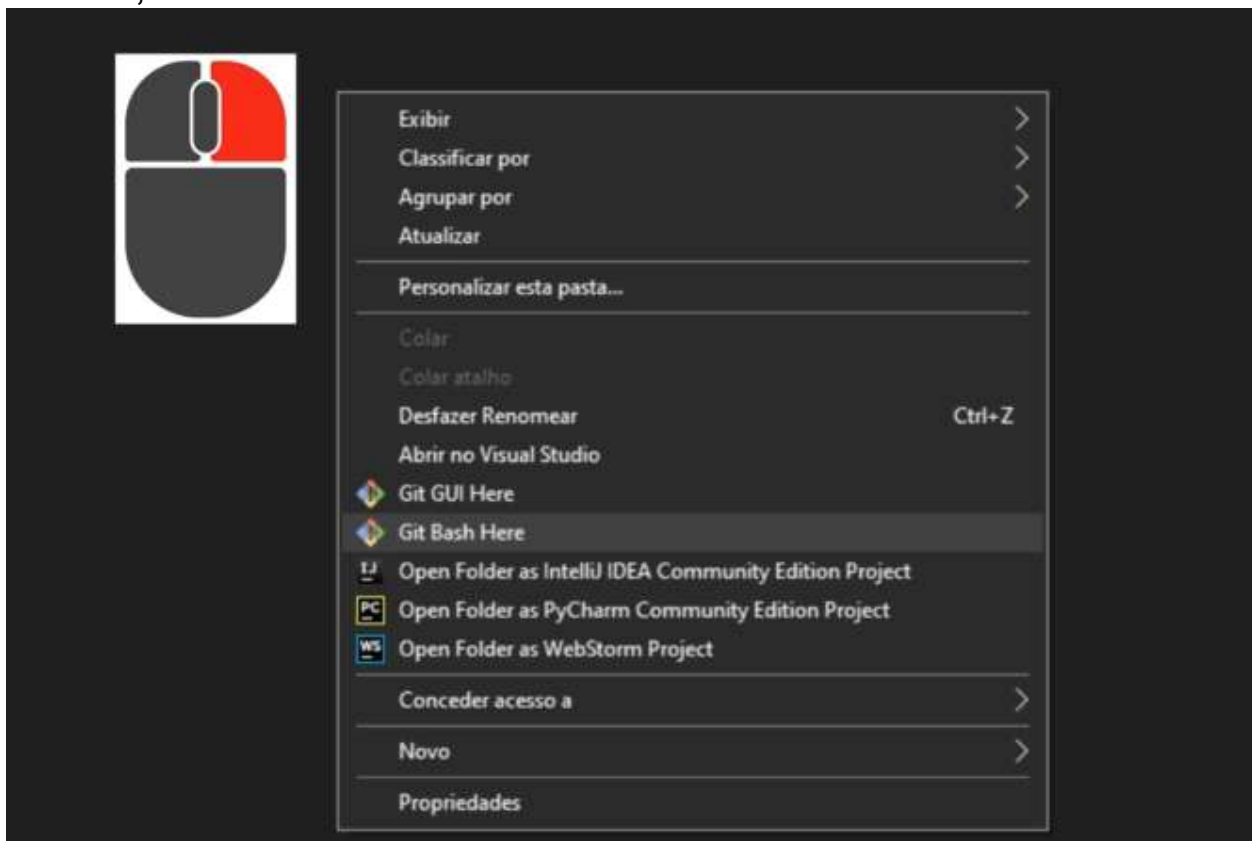
```
$ git config user.email  
maykekend@gmail.com
```



Criando repositório local, vamos nomear a pasta de “Receita”.



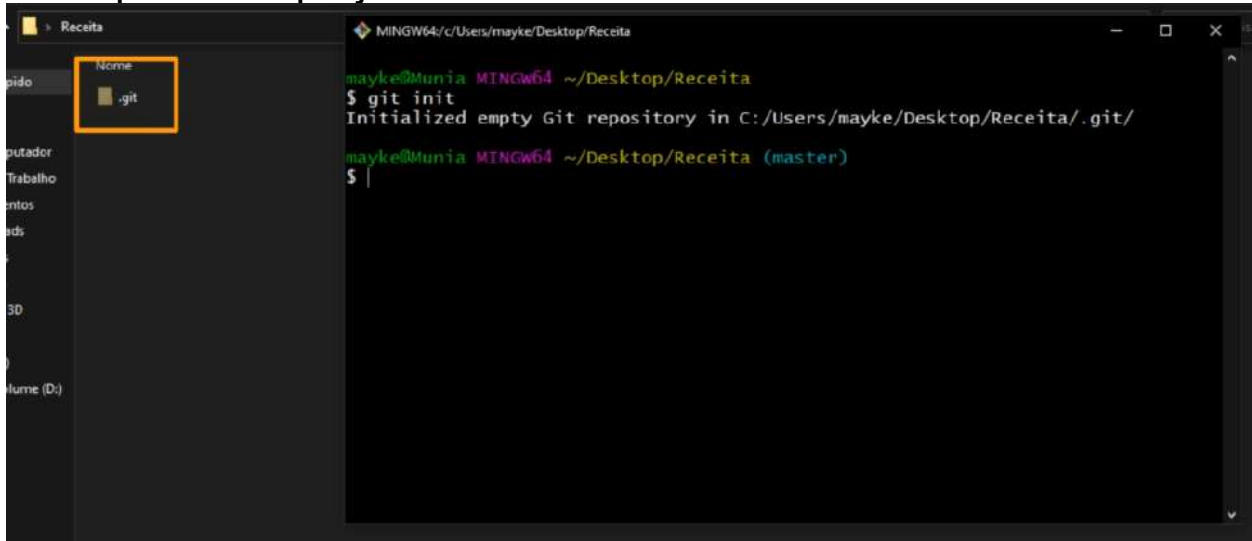
Abrir a pasta Receita, dentro da pasta clicar com o botão direito do mouse, selecionar Git Bash Here.



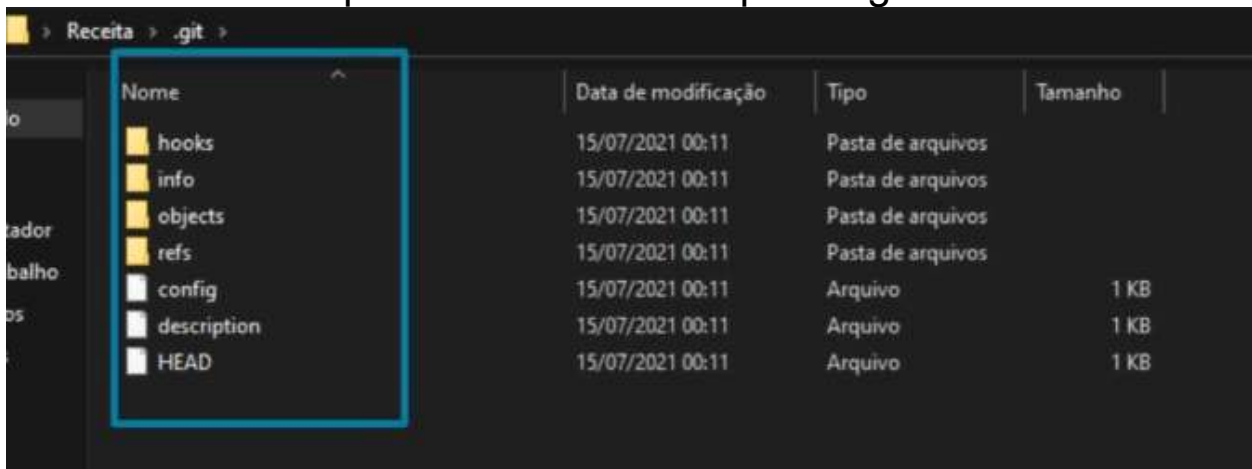
Abrir o terminal do Git Bash Here

Digite: git init

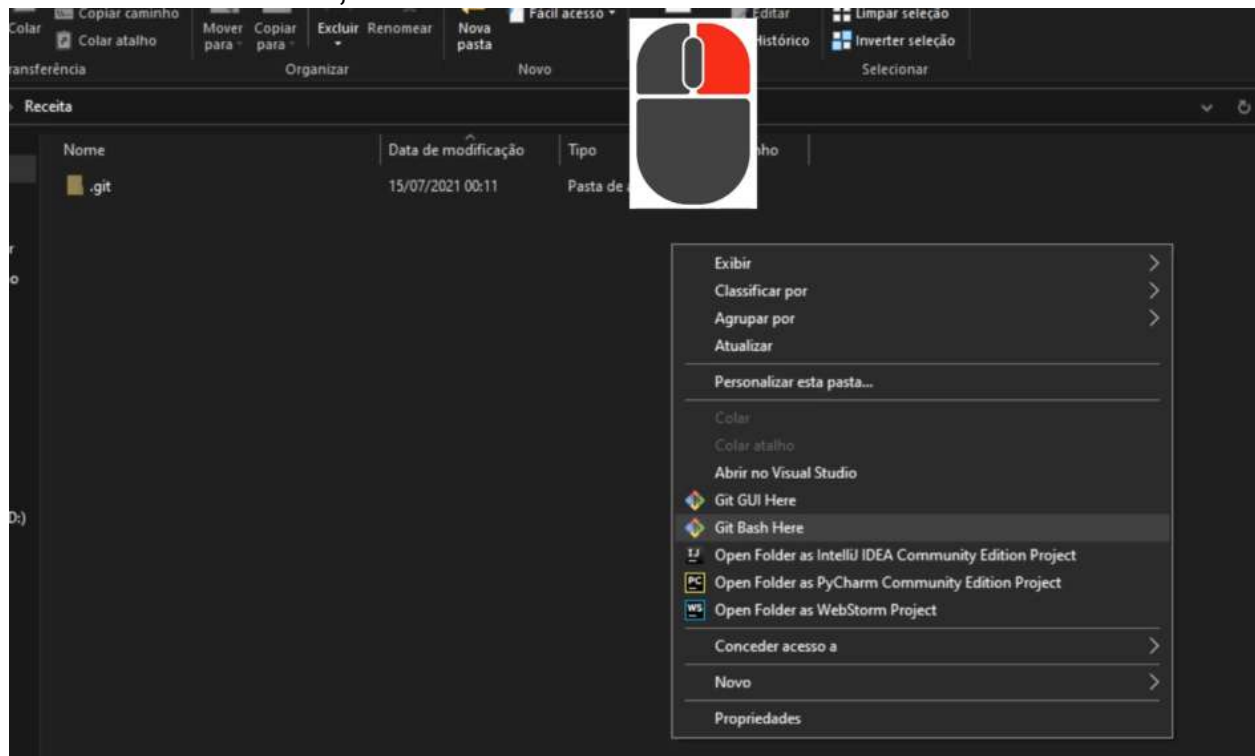
Esse comando fará a configuração do repositório, uma pasta .git oculta será criada, ela é a responsável por gerenciar o repositório e os arquivos do projeto.



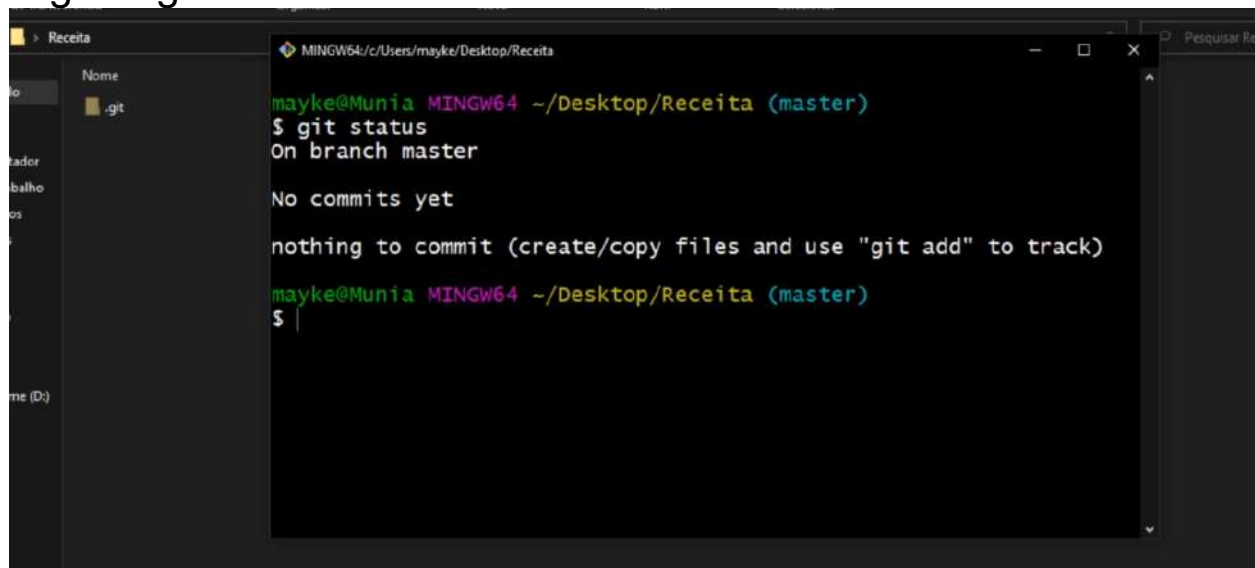
Dentro da pasta .git contém alguns arquivos, Obs: não excluir ou editar nenhum arquivo diretamente da pasta .git



Criando a receita do bolo, dentro da pasta Receita com o botão direito do mouse , selecionamos Git Bash Here

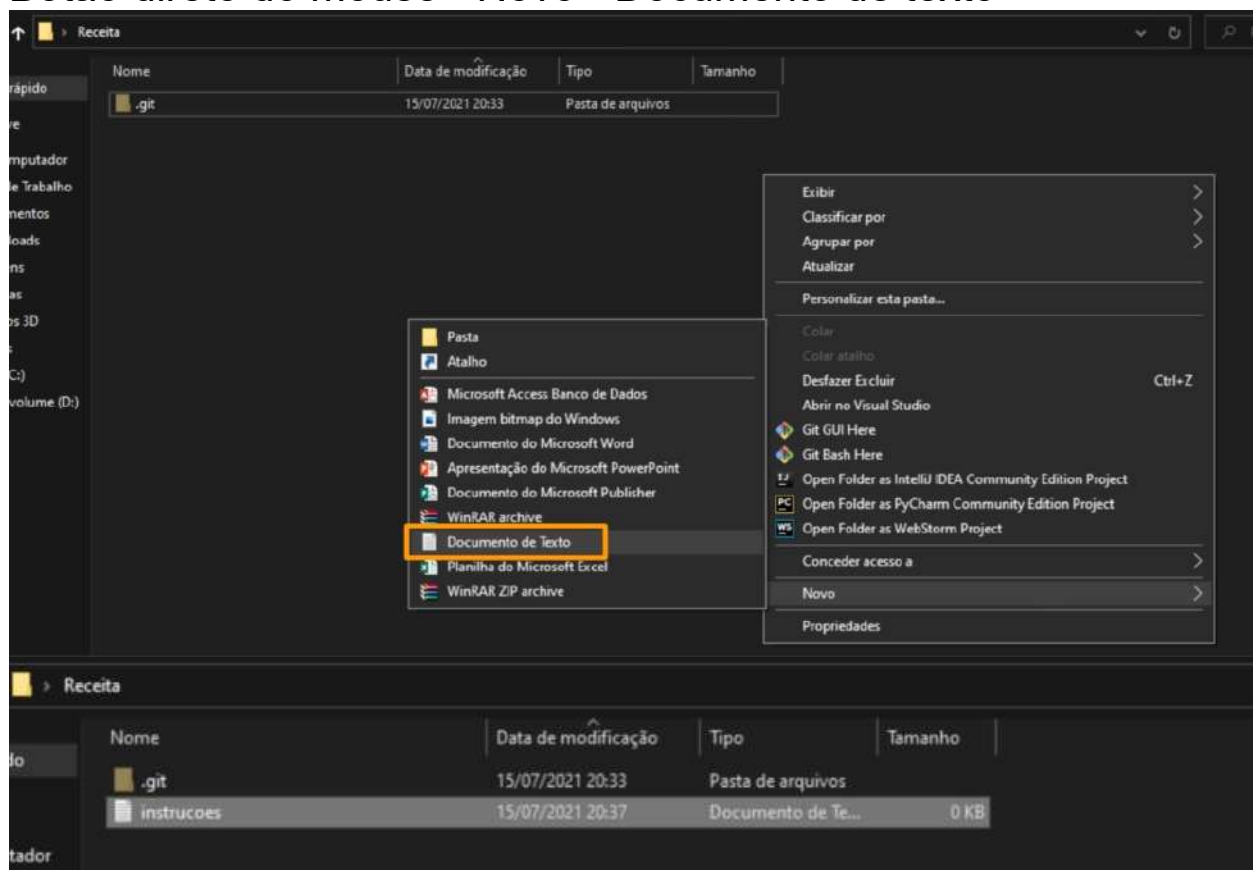


Digitar: git status

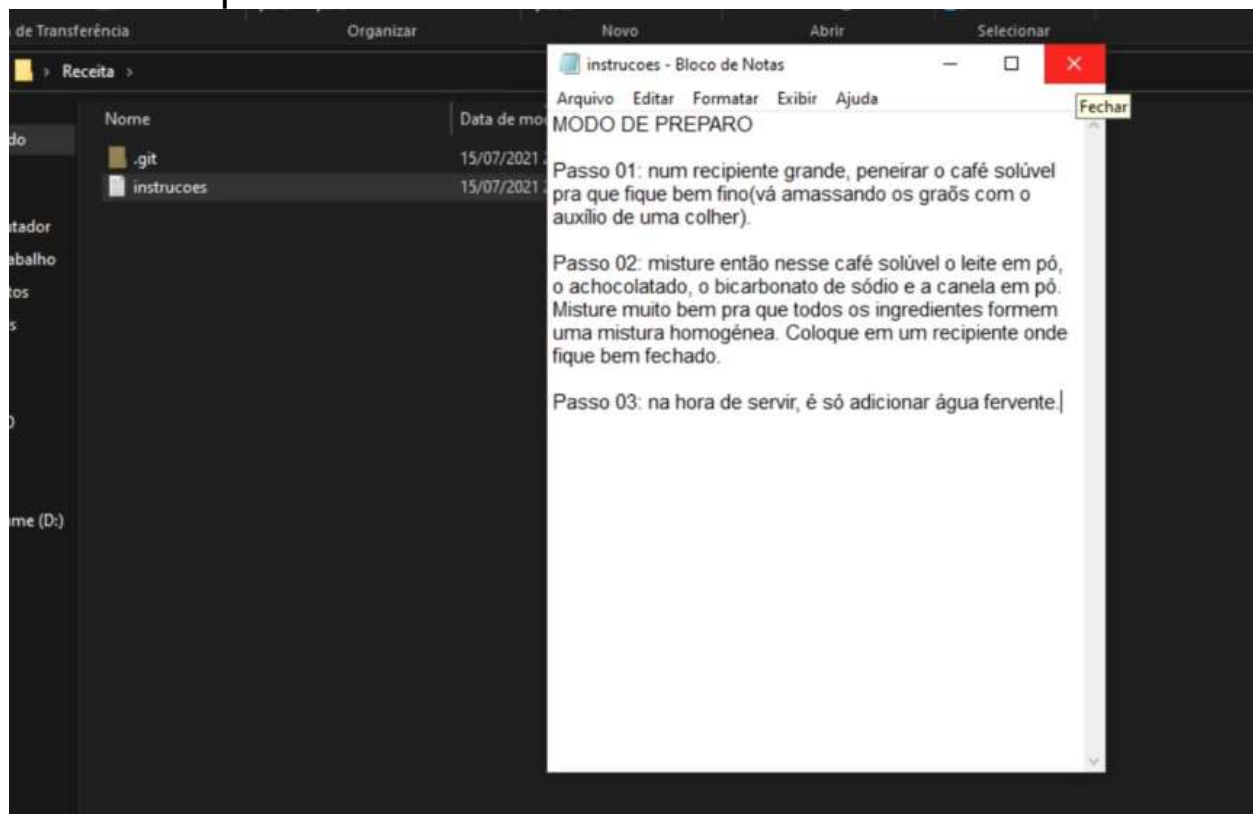


Criar pasta instrucoes no repositório.

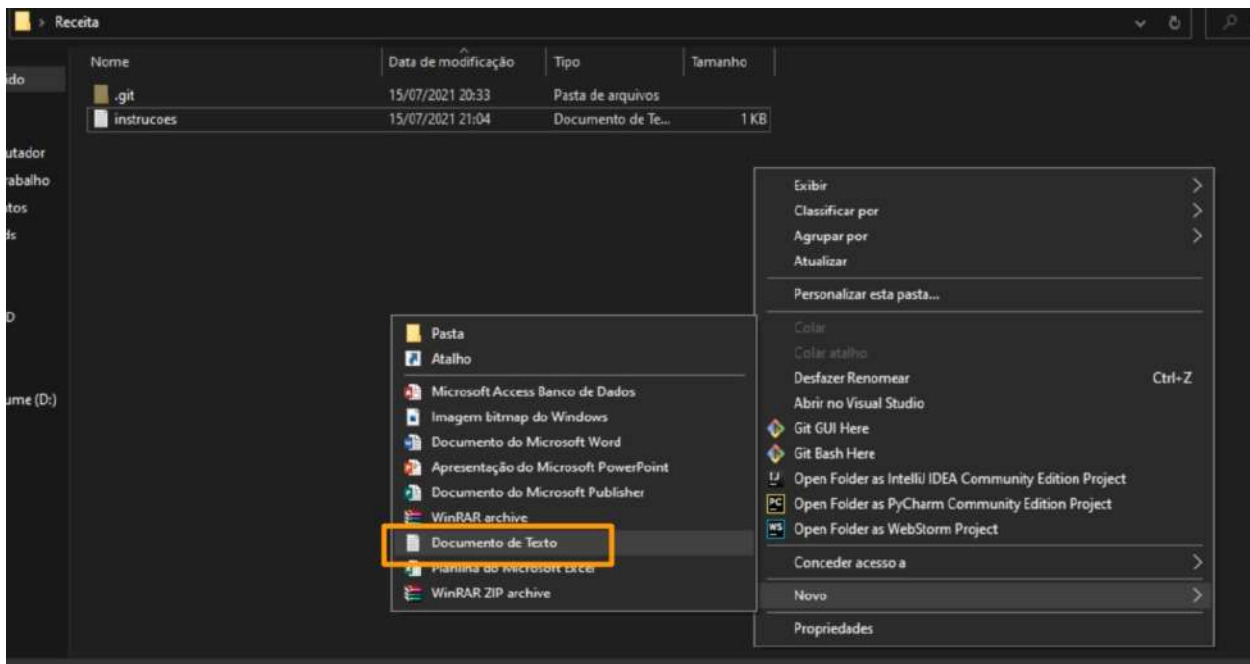
Botão direito do mouse - Novo - Documento de texto



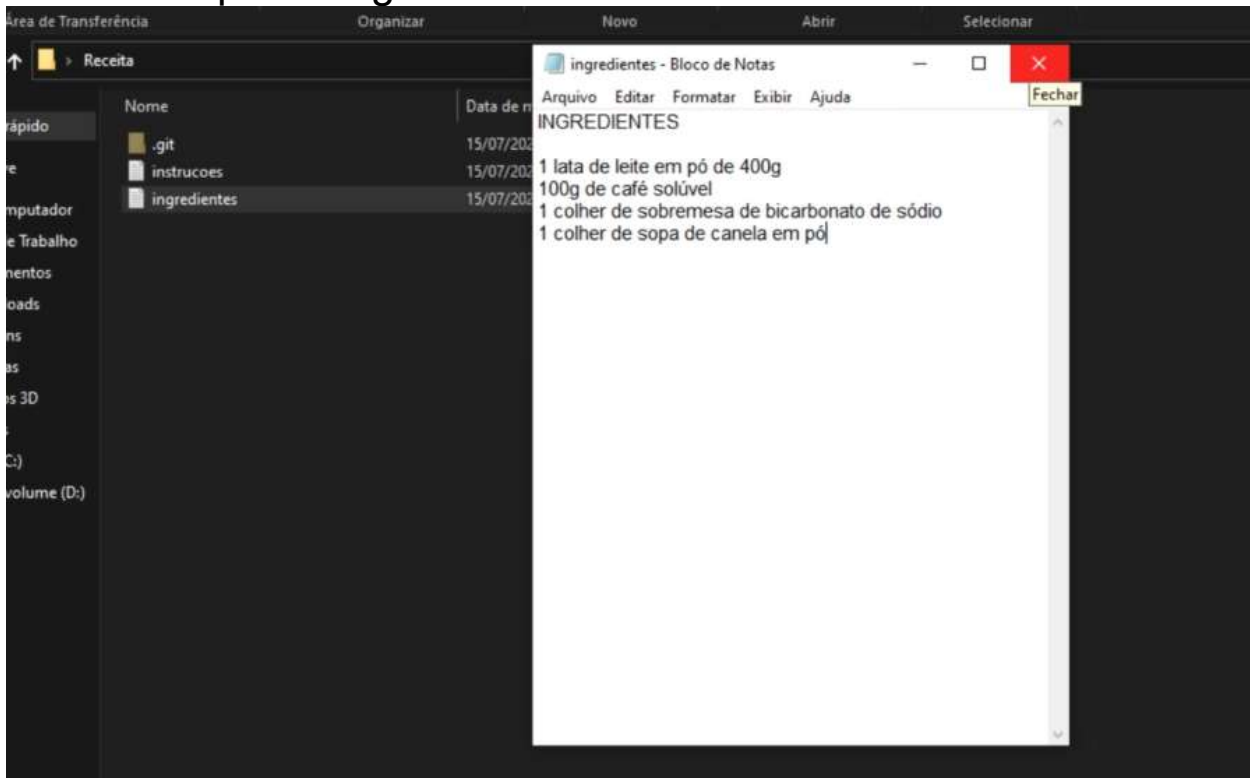
Editar o arquivo instrucoes salvar e fechar.



Criar a pasta ingredientes no repositório
Botão direito do mouse - Novo - Documento de texto

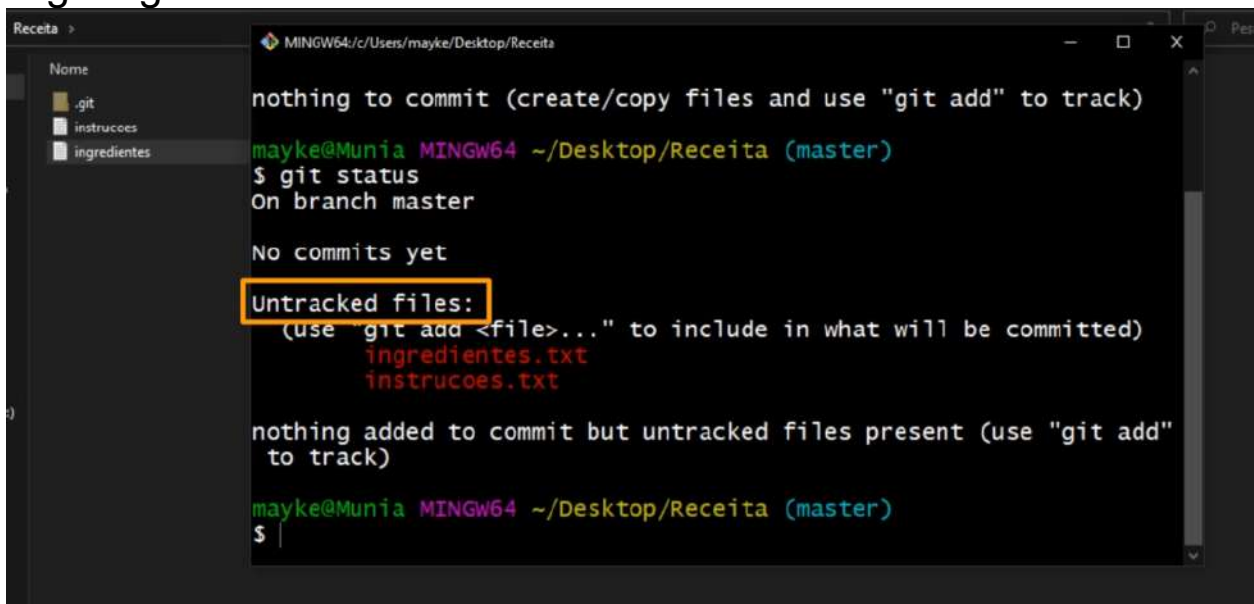


Editar o arquivos ingredientes salvar e fechar.



Acesse o Git Bash Here

Digite: git status



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

mayke@Munia MINGW64 ~/Desktop/Receita (master)
$ git status
On branch master

No commits yet

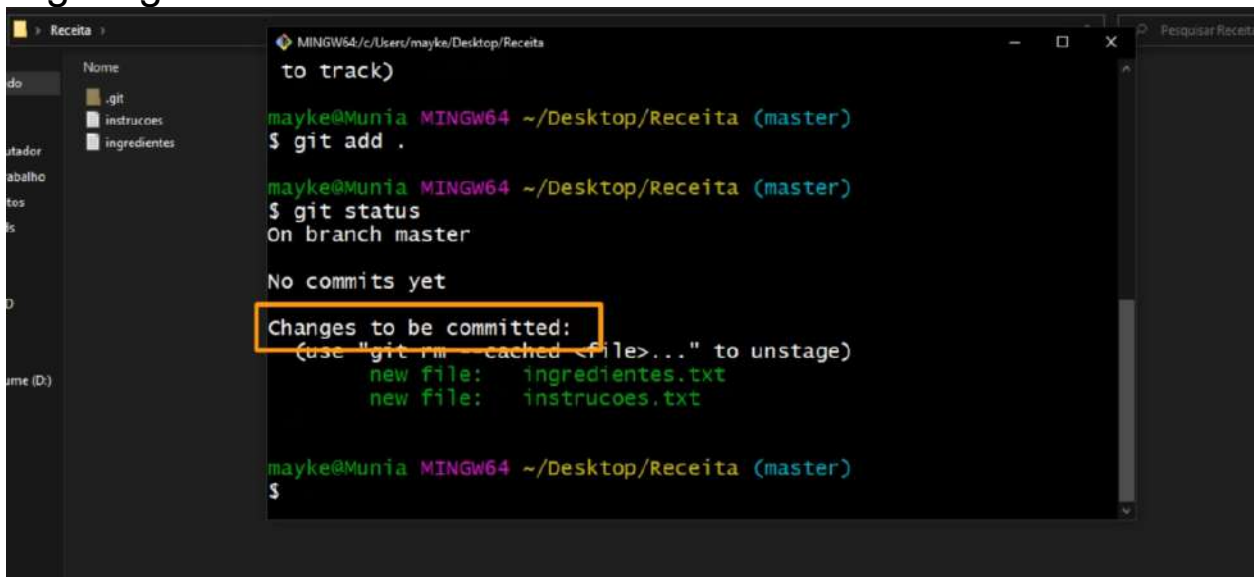
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    ingredientes.txt
    instrucoes.txt

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

mayke@Munia MINGW64 ~/Desktop/Receita (master)
$
```

Para adicionar os arquivos ingredientes.txt e instrucoes.txt

Digite: git add .



```
to track)

mayke@Munia MINGW64 ~/Desktop/Receita (master)
$ git add .

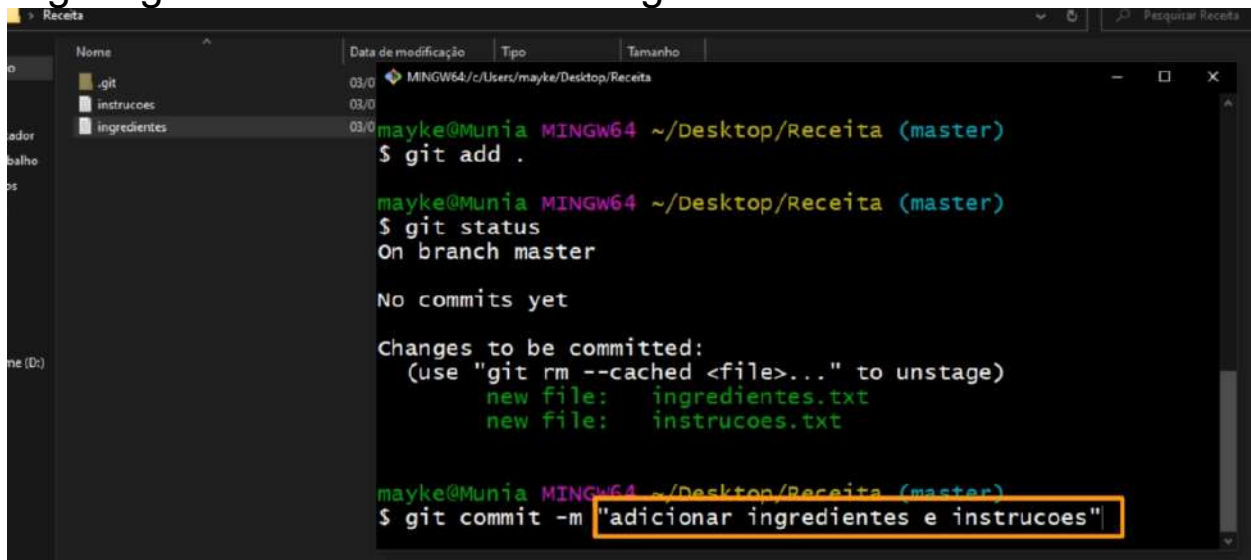
mayke@Munia MINGW64 ~/Desktop/Receita (master)
$ git status
On branch master

No commits yet

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

mayke@Munia MINGW64 ~/Desktop/Receita (master)
$
```

Digite: git commit -m "adicionar ingredientes e instrucoes"



A terminal window titled 'Receita' showing the execution of git commands. The prompt is 'mayke@Munia MINGW64 ~/Desktop/Receita (master)'. The user enters '\$ git add .' and '\$ git status'. The status output shows 'On branch master' and 'No commits yet'. It lists 'Changes to be committed:' with 'new file: ingredientes.txt' and 'new file: instrucoes.txt'. The user then enters '\$ git commit -m "adicionar ingredientes e instrucoes"', which is highlighted with a yellow box.

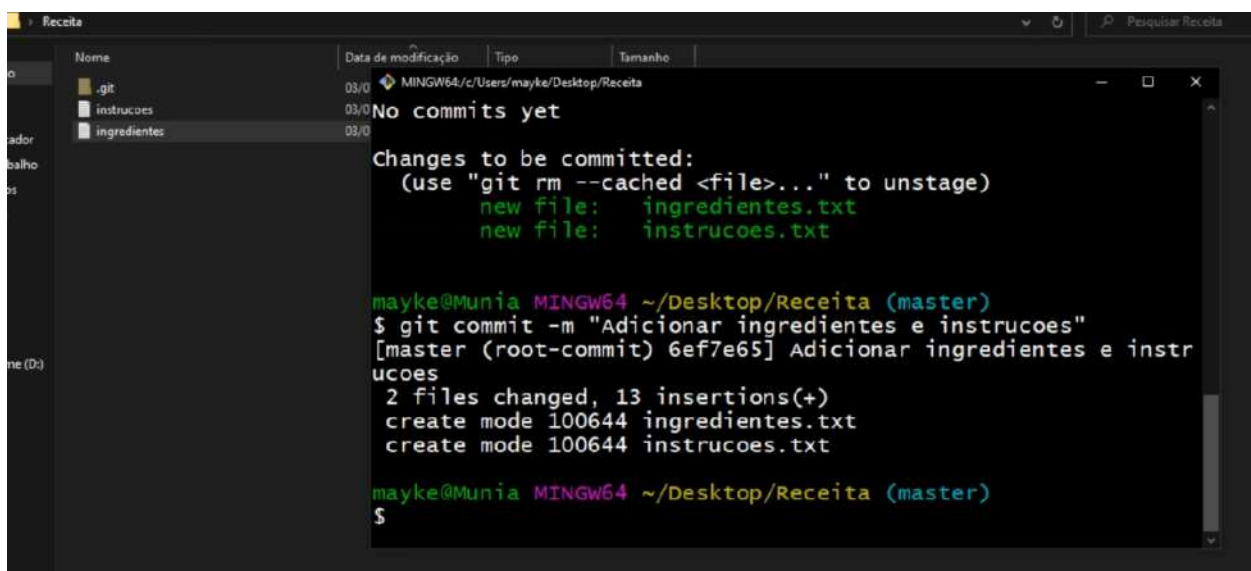
```
mayke@Munia MINGW64 ~/Desktop/Receita (master)
$ git add .

mayke@Munia MINGW64 ~/Desktop/Receita (master)
$ git status
On branch master

No commits yet

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

mayke@Munia MINGW64 ~/Desktop/Receita (master)
$ git commit -m "adicionar ingredientes e instrucoes"
```

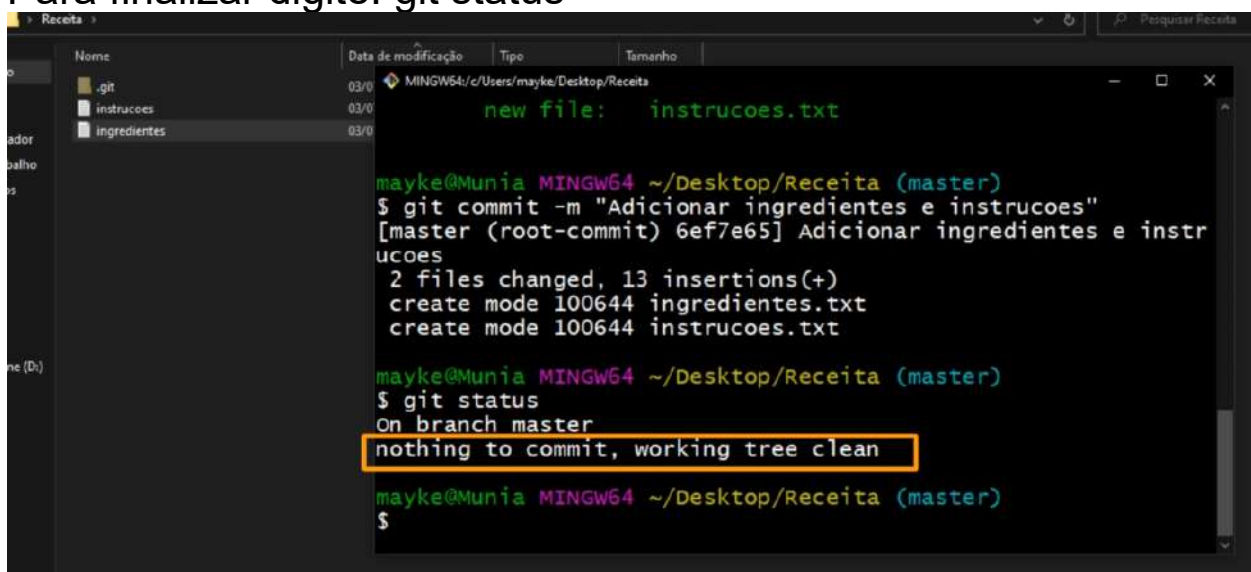


The terminal window continues from the previous screenshot. It shows the output of the '\$ git commit -m "Adicionar ingredientes e instrucoes"' command. The output includes the commit hash '[master (root-commit) 6ef7e65]', the commit message 'Adicionar ingredientes e instrucoes', and details about the files changed: '2 files changed, 13 insertions(+)', 'create mode 100644 ingredientes.txt', and 'create mode 100644 instrucoes.txt'. The prompt returns to '\$'.

```
mayke@Munia MINGW64 ~/Desktop/Receita (master)
$ git commit -m "Adicionar ingredientes e instrucoes"
[master (root-commit) 6ef7e65] Adicionar ingredientes e instrucoes
2 files changed, 13 insertions(+)
create mode 100644 ingredientes.txt
create mode 100644 instrucoes.txt

mayke@Munia MINGW64 ~/Desktop/Receita (master)
$
```

Para finalizar digite: git status



The terminal window shows the execution of '\$ git status'. The output is 'On branch master' and 'nothing to commit, working tree clean', which is highlighted with a yellow box. The prompt returns to '\$'.

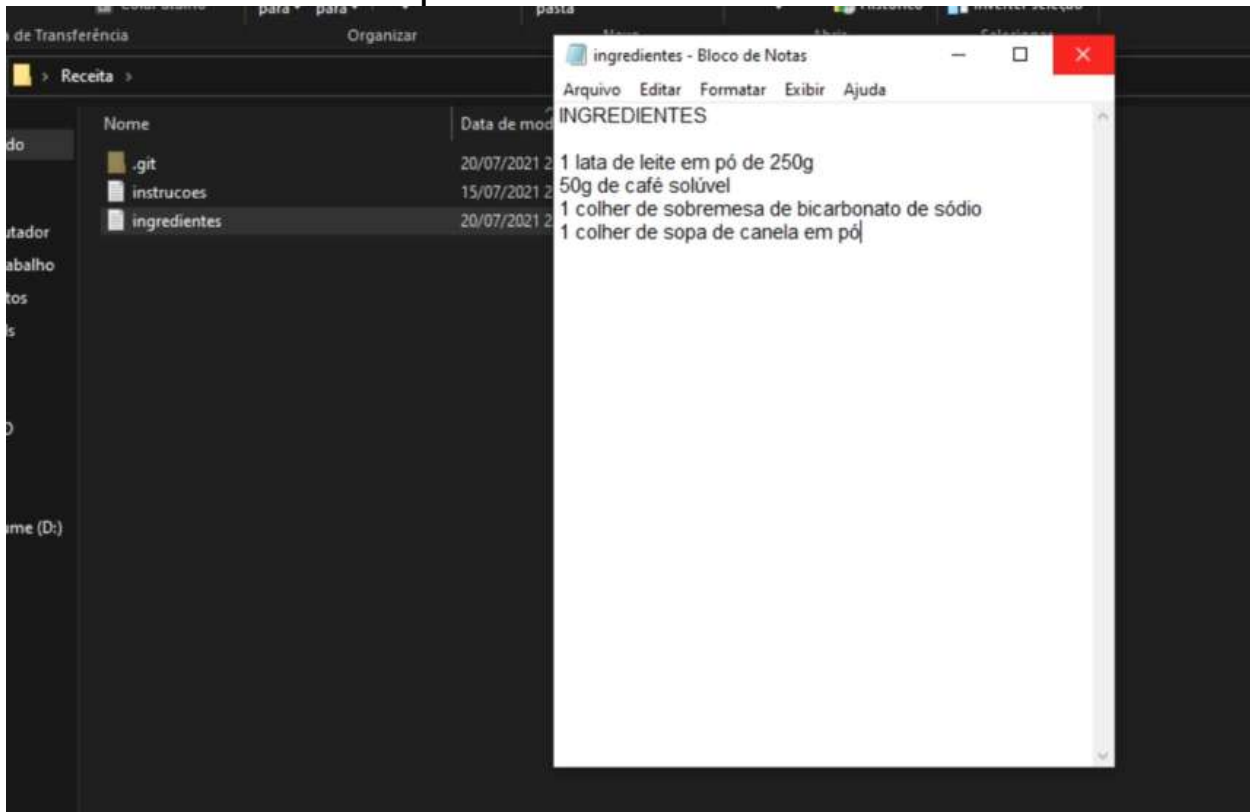
```
mayke@Munia MINGW64 ~/Desktop/Receita (master)
$ git status
On branch master
nothing to commit, working tree clean

mayke@Munia MINGW64 ~/Desktop/Receita (master)
$
```

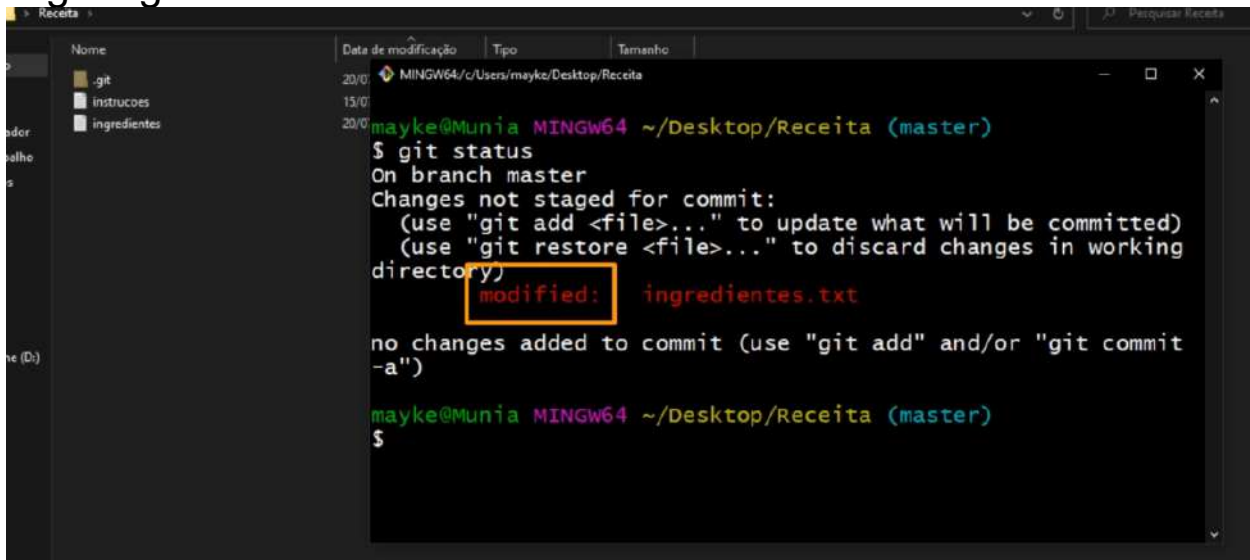
Finalizado !

Se precisar modificar a receita e os ingredientes siga os passos:

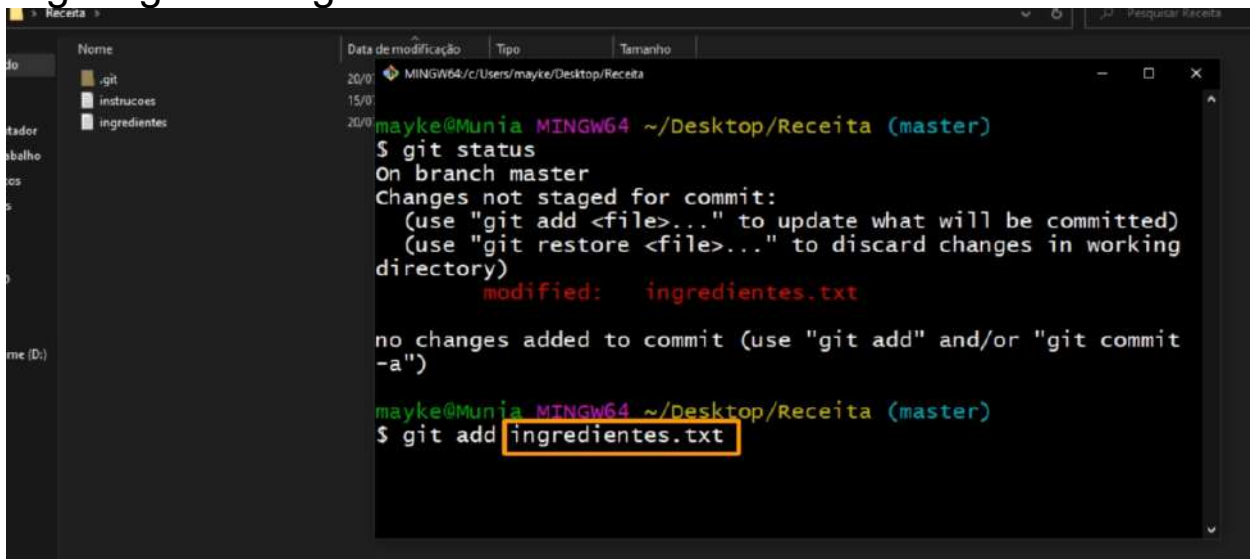
- Abrir o repositório ingredientes
- Alterar 1 lata de leite para 250g
- Alterar para 50g café solúvel
- Salvar e fechar o arquivo



Digite: git status



Adicionar o arquivo modificado
Digite: git add ingredientes.txt



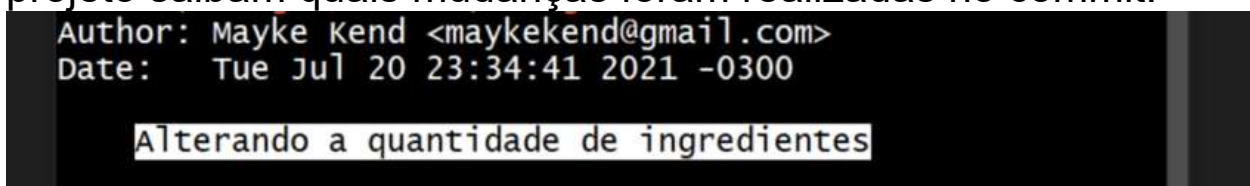
```
mayke@Munia MINGW64 ~/Desktop/Receita (master)
$ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   ingredientes.txt

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

mayke@Munia MINGW64 ~/Desktop/Receita (master)
$ git add ingredientes.txt
```

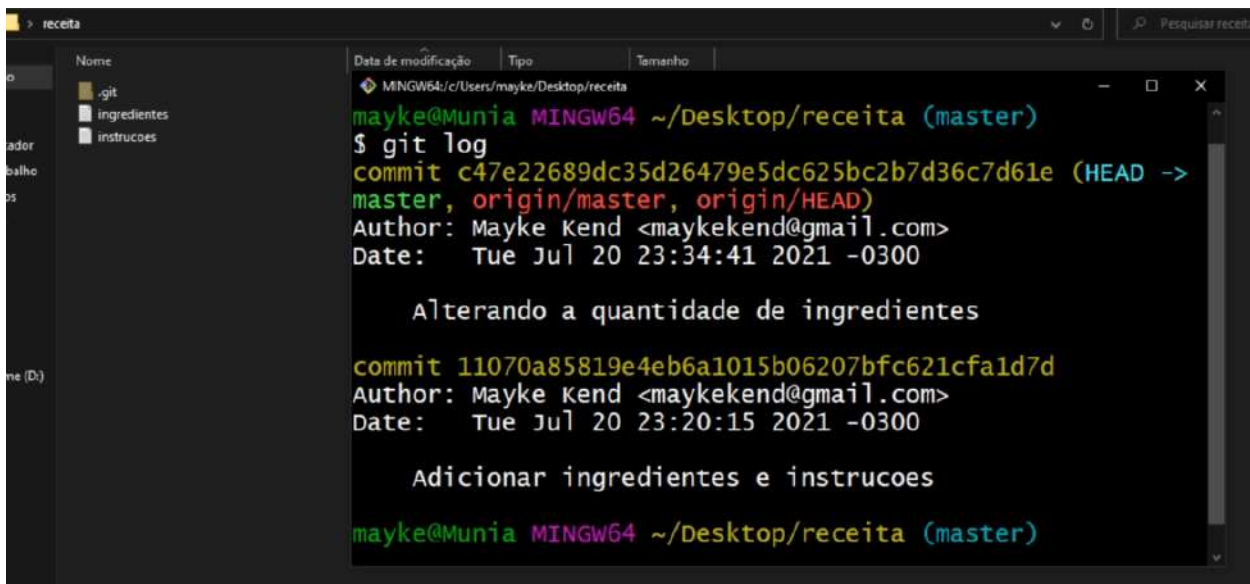
Digite : git log

Para visualizar o historico de commit's , autor, data e mensagem do titulo que é muito importante para que as pessoas envolvidas no projeto saibam quais mudanças foram realizadas no commit.



```
Author: Mayke Kend <maykekend@gmail.com>
Date:   Tue Jul 20 23:34:41 2021 -0300

    Alterando a quantidade de ingredientes
```



```
mayke@Munia MINGW64 ~/Desktop/receita (master)
$ git log
commit c47e22689dc35d26479e5dc625bc2b7d36c7d61e (HEAD ->
master, origin/master, origin/HEAD)
Author: Mayke Kend <maykekend@gmail.com>
Date:   Tue Jul 20 23:34:41 2021 -0300

    Alterando a quantidade de ingredientes

commit 11070a85819e4eb6a1015b06207bfc621cfa1d7d
Author: Mayke Kend <maykekend@gmail.com>
Date:   Tue Jul 20 23:20:15 2021 -0300

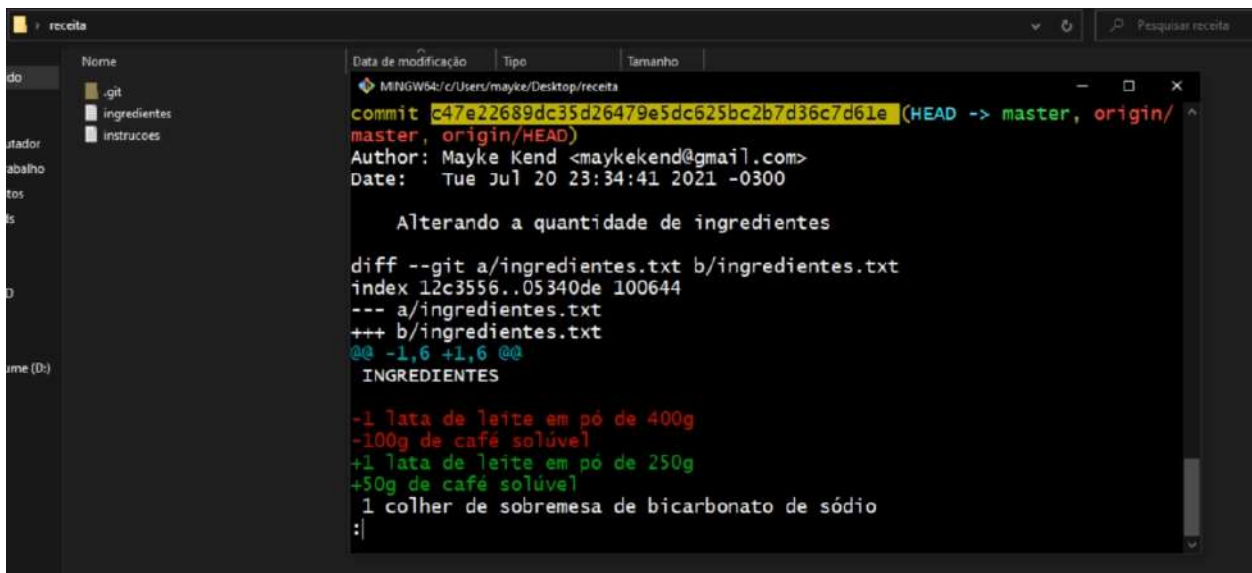
    Adicionar ingredientes e instrucoes

mayke@Munia MINGW64 ~/Desktop/receita (master)
```

Digite: git show

Para visualizar o detalhamento da mudança realizada dentro do commit, o que foi adicionado em (Verde) é o que foi removido em (Vermelho).

```
-1 lata de leite em pó de 400g
-100g de café solúvel
+1 lata de leite em pó de 250g
+50g de café solúvel
```



```
commit c47e22689dc35d26479e5dc625bc2b7d36c7d61e (HEAD -> master, origin/master, origin/HEAD)
Author: Mayke Kend <maykekend@gmail.com>
Date: Tue Jul 20 23:34:41 2021 -0300

    Alterando a quantidade de ingredientes

diff --git a/ingredientes.txt b/ingredientes.txt
index 12c3556..05340de 100644
--- a/ingredientes.txt
+++ b/ingredientes.txt
@@ -1,6 +1,6 @@
 INGREDIENTES

-1 lata de leite em pó de 400g
-100g de café solúvel
+1 lata de leite em pó de 250g
+50g de café solúvel
1 colher de sobremesa de bicarbonato de sódio
:
```

Fim.