

EXERCÍCIOS – GIT

ORIENTAÇÕES

Siga o roteiro abaixo para execução das atividades propostas. Para enviar os exercícios você deve tirar um print da ETAPA 1, ETAPA 2 e ETAPA 3 e anexar o documento em PDF para avaliação.

Não esqueça de fazer as configurações iniciais de usuário, sempre que necessário: Nome, E-mail e Editor de Texto

ETAPA 1 – CRIAÇÃO E PREPARAÇÃO DE ARQUIVOS DO PROJETO

Nesta etapa iremos criar os arquivos do nosso projeto para verificarmos as funcionalidades do Git.

1. Crie uma pasta ExerciciosGit e inicialize um repositório Git no seu computador;
2. Adicione um arquivo nessa pasta com o nome README.md;
3. Adicione qualquer conteúdo nesse arquivo;
4. Faça um commit dessas alterações;
5. Verifique o status e veja se existem mudanças para serem "comitadas";

ETAPA 2 - ALTERAÇÃO E MANIPULAÇÃO DE ARQUIVOS NO PROJETO

Nesta etapa iremos trabalhar com alguns comandos básicos no Git, verificando o workflow básico, alterações e gestão dos arquivos do nosso projeto. Observe que faremos bastante uso dos “branches” visto que é um conceito muito importante para o ambiente de desenvolvimento em equipe, possibilitando a você, avançar um pouco mais no controle das versões do seu projeto.

6. Crie uma branch chamada "develop";
7. Altere o arquivo README.md e adicione outro arquivo na pasta;
8. Verifique o status das mudanças;
9. Faça commit dessas mudanças na branch "develop";
10. Certifique-se que seu status esteja sem mudanças para serem "comitadas";
11. Faça novamente outra alteração no arquivo README.md;
12. Faça commit dessa alteração no branch "develop";
13. Certifique-se que seu status esteja sem mudanças para serem "comitadas";
14. Agora faça um merge da branch "develop" e "master";
15. Certifique-se que as alterações da branch "develop" estão na branch "master" através dos logs;
16. Vá novamente para a branch "develop" e crie uma branch chamada "feature", esta tarefa estará finalizada;

mentorama.

17. Altere uma linha no arquivo README.md e faça commit nessa nova branch;
18. Volte para a branch "develop" e crie mais uma branch, mas com o nome "feature2";
19. Altere o arquivo README.md na mesma linha da alteração feita na branch "feature";
20. Faça commit dessa alteração na branch "feature2";
21. Agora tente fazer merge das branches "feature" e "feature2" com a branch "develop";
22. Acontecerá propositalmente um conflito no arquivo README.md depois que realizar o merge da segunda branch;
23. Resolva esse conflito e verifique se ambas as alterações estão na branch "develop";
24. Por último, faça merge das branch "master" e "develop";

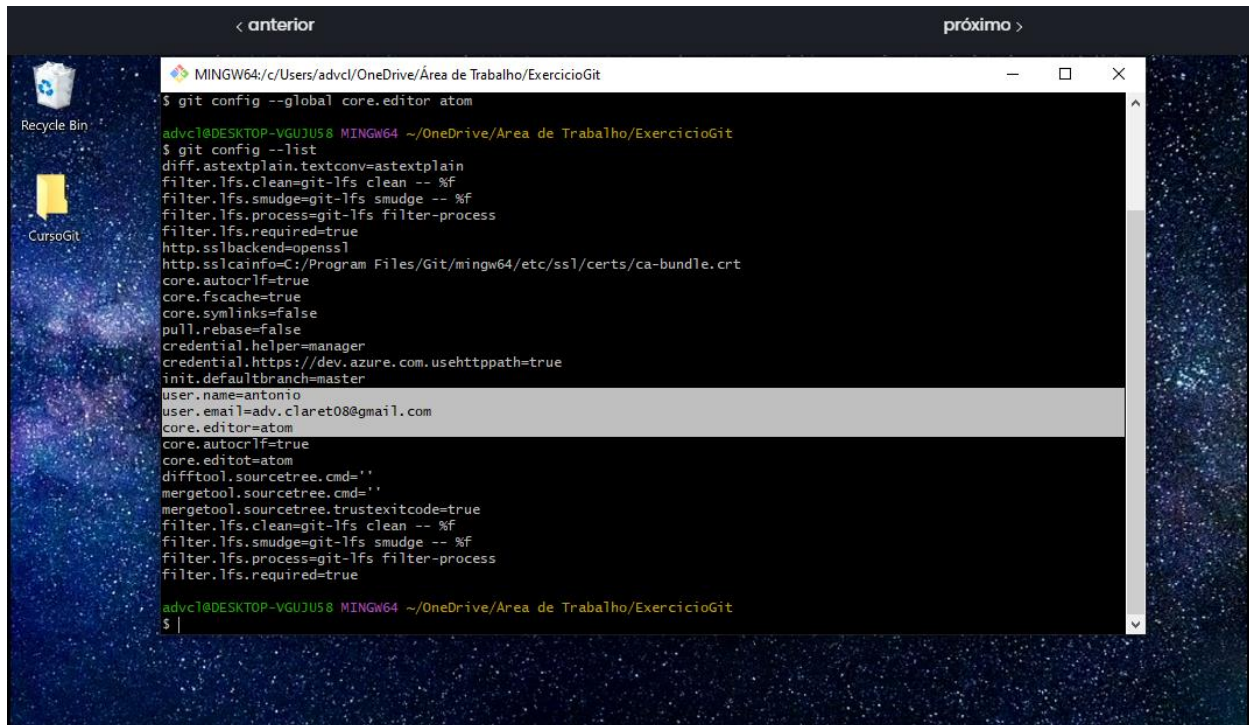
ETAPA 3 - ACESSO REMOTO

Nesta etapa, faremos a integração remota do nosso projeto, a partir do Github. Esta etapa é muito importante visto que muitos projetos de desenvolvedores têm sido disponibilizados no Github para construção de portfólio, de modo que as empresas possam conhecer um pouco do trabalho do desenvolvedor.

25. Crie um repositório no github e faça push;
26. Compartilhe o link do seu repositório
27. EXTRA: Criar um portfólio com seus principais projetos (opcional)

EXERCÍCIOS – GIT – RELATÓRIO DE ENTREGA

ETAPA PREPARATÓRIA



The screenshot shows a Windows desktop with a terminal window titled "MINGW64: c:/Users/advcl/OneDrive/Área de Trabalho/ExercicioGit". The terminal displays the following commands and output:

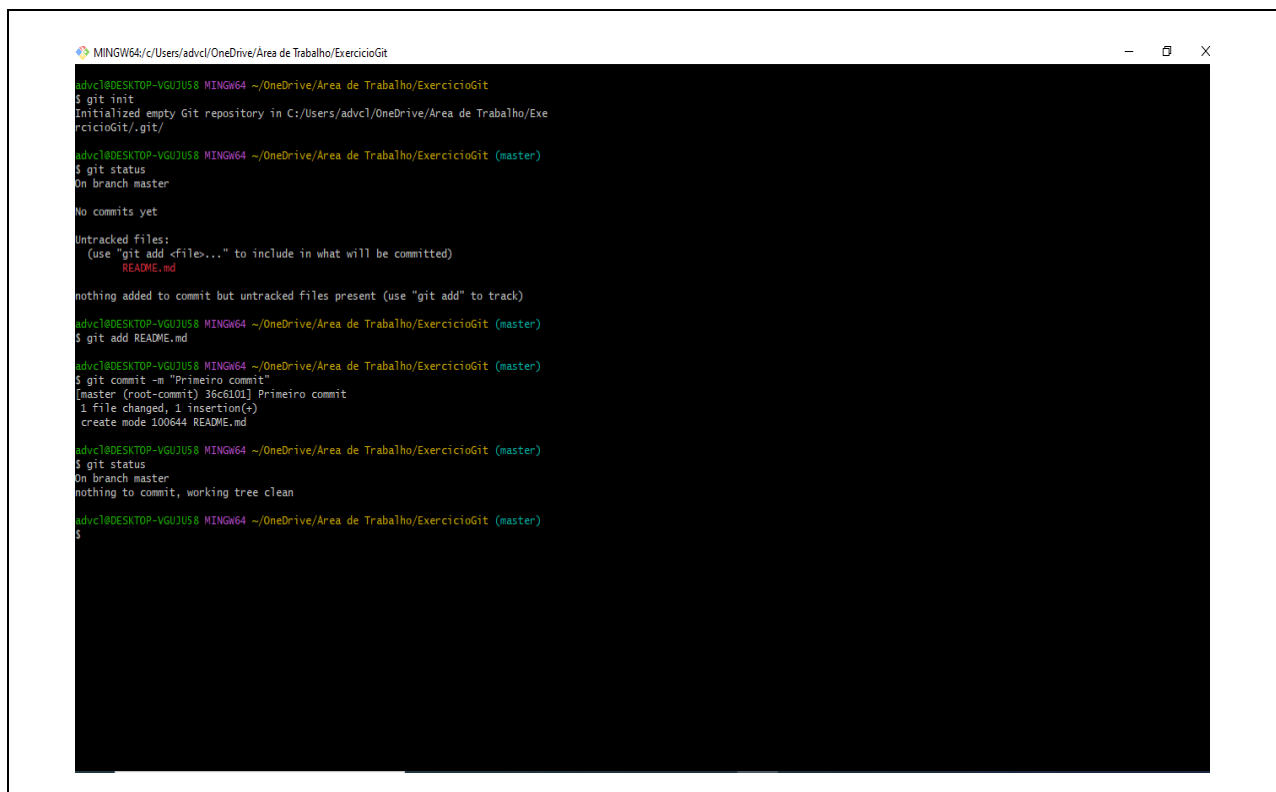
```
< anterior                                próximo >

$ git config --global core.editor atom

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Área de Trabalho/ExercicioGit
$ git config --list
diff.astextplain.textconv=astextplain
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
http.sslbackend=openssl
http.sslcainfo=C:/Program Files/Git/mingw64/etc/ssl/certs/ca-bundle.crt
core.autocrlf=true
core.fscache=true
core.symlinks=false
pull.rebase=false
credential.helper=manager
credential.https://dev.azure.com.usehttppath=true
init.defaultbranch=master
user.name=antonio
user.email=adv.claret08@gmail.com
core.editor=atom
core.autocrlf=true
core.editor=atom
difftool.sourcetree.cmd=''
mergetool.sourcetree.cmd=''
mergetool.sourcetree.trustexitcode=true
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Área de Trabalho/ExercicioGit
$ |
```

ETAPA 1



The screenshot shows a Windows desktop with a terminal window titled "MINGW64: c:/Users/advcl/OneDrive/Área de Trabalho/ExercicioGit". The terminal displays the following commands and output:

```
advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Área de Trabalho/ExercicioGit
$ git init
Initialized empty Git repository in C:/Users/advcl/OneDrive/Área de Trabalho/ExercicioGit/.git/

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Área de Trabalho/ExercicioGit (master)
$ git status
On branch master

No commits yet

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

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

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Área de Trabalho/ExercicioGit (master)
$ git add README.md

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Área de Trabalho/ExercicioGit (master)
$ git commit -m "Primeiro commit"
[master (root-commit) 36c6101] Primeiro commit
1 file changed, 1 insertion(+)
create mode 100644 README.md

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Área de Trabalho/ExercicioGit (master)
$ git status
On branch master

nothing to commit, working tree clean

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Área de Trabalho/ExercicioGit (master)
$
```

ETAPA 2

```
advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (master)
$ git branch develop

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (master)
$ git add README.md

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (master)
$ git log
commit 36c610180a47afce51943b66071c11fb2e838621 (HEAD -> master, develop)
Author: antonio <adv.claret08@gmail.com>
Date: Tue Feb 20 00:38:13 2024 -0300

    Primeiro commit

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (master)
$ git checkout develop
Switched to branch 'develop'

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (develop)
$ git add .

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (develop)
$ git commit -m "Segundo commit"
On branch develop
nothing to commit, working tree clean

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (develop)
$ git status
On branch develop
nothing to commit, working tree clean

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (develop)
$
```

```
advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (develop)
$ git commit -am "Terceiro commit"
[develop fbdd39d] Terceiro commit
1 file changed, 1 insertion(+)

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (develop)
$ git status
On branch develop
nothing to commit, working tree clean

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (develop)
$ git checkout master
Switched to branch 'master'

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (master)
$ git merge develop master
Updating 36c6101..fbdd39d
Fast-forward
 README.md | 1 +
1 file changed, 1 insertion(+)

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (master)
$ git log
commit fbdd39dad67f8ad9d21cfd4f6e74562229be81f1 (HEAD -> master, develop)
Author: antonio <adv.claret08@gmail.com>
Date: Tue Feb 20 00:50:57 2024 -0300

    Terceiro commit

commit 36c610180a47afce51943b66071c11fb2e838621
Author: antonio <adv.claret08@gmail.com>
Date: Tue Feb 20 00:38:13 2024 -0300

    Primeiro commit

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (master)
$
```

```
advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit
$ git init
Initialized empty Git repository in C:/Users/advcl/OneDrive/Area de Trabalho/ExercicioGit/.git/

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (master)
$ git status
On branch master

No commits yet

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

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

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (master)
$ git add README.md

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (master)
$ git commit -m "Primeiro commit"
[master (root-commit) 36c6101] Primeiro commit
1 file changed, 1 insertion(+)
create mode 100644 README.md

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (master)
$ git status
On branch master
nothing to commit, working tree clean

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (master)
$ -----
bash: -----: command not found

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (master)
$ git branch develop
```

```
advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Área de Trabalho/ExercicioGit (master)
$ git status
On branch master
nothing to commit, working tree clean

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Área de Trabalho/ExercicioGit (master)
$ -----
bash: -----: command not found

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Área de Trabalho/ExercicioGit (master)
$ git branch develop

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Área de Trabalho/ExercicioGit (master)
$ git add README.md

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Área de Trabalho/ExercicioGit (master)
$ git log
commit 36c610180a47afce51943b66071c11fb2e838621 (HEAD -> master, develop)
Author: antonio <adv.claret08@gmail.com>
Date: Tue Feb 20 00:38:13 2024 -0300

    Primeiro commit

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Área de Trabalho/ExercicioGit (master)
$ git checkout develop
Switched to branch 'develop'

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Área de Trabalho/ExercicioGit (develop)
$ git add .

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Área de Trabalho/ExercicioGit (develop)
$ git commit -m "Segundo commit"
On branch develop
nothing to commit, working tree clean

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Área de Trabalho/ExercicioGit (develop)
$ git status
On branch develop
nothing to commit, working tree clean

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Área de Trabalho/ExercicioGit (develop)
$ -----
bash: -----: command not found

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Área de Trabalho/ExercicioGit (develop)
$ git commit -am "Terceiro commit"
[develop fbdd39d] Terceiro commit
1 file changed, 1 insertion(+)
```

```
advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (develop)
$ -----
bash: -----: command not found

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (develop)
$ git commit -am "Terceiro commit"
[develop fbdd39d] Terceiro commit
1 file changed, 1 insertion(+)

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (develop)
$ git status
On branch develop
nothing to commit, working tree clean

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (develop)
$ git checkout master
Switched to branch 'master'

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (master)
$ git merge develop master
Updating 36c6101..fbdd39d
Fast-forward
 README.md | 1 +
1 file changed, 1 insertion(+)

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (master)
$ git log
commit fbdd39dad67f8ad9d21cfd4f6e74562229be81f1 (HEAD -> master, develop)
Author: antonio <adv.claret08@gmail.com>
Date: Tue Feb 20 00:50:57 2024 -0300

    Terceiro commit

commit 36c610180a47afce51943b66071c11fb2e838621
Author: antonio <adv.claret08@gmail.com>
Date: Tue Feb 20 00:38:13 2024 -0300

    Primeiro commit

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (master)
$ -----^C

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (master)
$ -----
bash: -----: command not found

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (master)
$ git checkout develop
```

```
Author: antonio <adv.claret08@gmail.com>  
Date: Tue Feb 20 00:38:13 2024 -0300
```

```
Primeiro commit
```

```
advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (master)
```

```
$ -----^C
```

```
advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (master)
```

```
$ -----
```

```
bash: -----: command not found
```

```
advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (master)
```

```
$ git checkout develop
```

```
Switched to branch 'develop'
```

```
advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (develop)
```

```
$ git branch feature
```

```
advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (develop)
```

```
$ git checkout feature
```

```
Switched to branch 'feature'
```

```
advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (feature)
```

```
$ git commit -am "Quarto commit"
```

```
On branch feature
```

```
nothing to commit, working tree clean
```

```
advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (feature)
```

```
$ git checkout develop
```

```
Switched to branch 'develop'
```

```
advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (develop)
```

```
$ git branch feature2
```

```
advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (develop)
```

```
$ git commit -am "Quinto commit"
```

```
git: 'commit-am' is not a git command. See 'git --help'.
```

```
The most similar command is
```

```
commit-graph
```

```
advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (develop)
```

```
$ git commit -am "Quinto commit"
```

```
[develop 70670d5] Quinto commit
```

```
1 file changed, 3 insertions(+)
```

```
advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (develop)
```

```
$ |
```



```
advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (develop)
$ -----
bash: -----: command not found

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (develop)
$ git diff feature2 feature

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (develop)
$ git add .

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (develop)
$ git commit -m "Sexto commit"
On branch develop
nothing to commit, working tree clean

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (develop)
$ git merge feature2
Already up to date.

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (develop)
$ git checkout develop
Already on 'develop'

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (develop)
$ git merge feature2 develop
Already up to date.

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (develop)
$ git status
On branch develop
nothing to commit, working tree clean

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Area de Trabalho/ExercicioGit (develop)
$ git log
commit 70670d5b1057baf720e8835d55e92537554dd00f (HEAD -> develop)
Author: antonio <adv.claret08@gmail.com>
Date: Tue Feb 20 16:42:27 2024 -0300

    Quinto commit

commit fbdd39dad67f8ad9d21cfd4f6e74562229be81f1 (master, feature2, feature)
Author: antonio <adv.claret08@gmail.com>
Date: Tue Feb 20 00:50:57 2024 -0300

    Terceiro commit

commit 36c610180a47afce51943b66071c11fb2e838621
Author: antonio <adv.claret08@gmail.com>
Date: Tue Feb 20 00:38:13 2024 -0300
```

```
advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Área de Trabalho/ExercicioGit (develop)
$ git merge feature feature2
Already up to date.

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Área de Trabalho/ExercicioGit (develop)
$ git checkout develop
Already on 'develop'

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Área de Trabalho/ExercicioGit (develop)
$ git merge feature2 develop
Already up to date.

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Área de Trabalho/ExercicioGit (develop)
$ git status
On branch develop
nothing to commit, working tree clean

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Área de Trabalho/ExercicioGit (develop)
$ git log
commit 70670d5b1057baf720e8835d55e92537554dd00f (HEAD -> develop)
Author: antonio <adv.claret08@gmail.com>
Date: Tue Feb 20 16:42:27 2024 -0300

    Quinto commit

commit fbdd39dad67f8ad9d21cfd4f6e74562229be81f1 (master, feature2, feature)
Author: antonio <adv.claret08@gmail.com>
Date: Tue Feb 20 00:50:57 2024 -0300

    Terceiro commit

commit 36c610180a47afce51943b66071c11fb2e838621
Author: antonio <adv.claret08@gmail.com>
Date: Tue Feb 20 00:38:13 2024 -0300

    Primeiro commit

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Área de Trabalho/ExercicioGit (develop)
$ git checkout master
Switched to branch 'master'

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Área de Trabalho/ExercicioGit (master)
$ git merge master develop
Updating fbdd39d..70670d5
Fast-forward
 README.md | 3 +++
 1 file changed, 3 insertions(+)

advcl@DESKTOP-VGUJU58 MINGW64 ~/OneDrive/Área de Trabalho/ExercicioGit (master)
$
```

ETAPA 3

<https://github.com/aclarett>

eu já havia criado um github a um tempo atras e fiz uma analise de dados que esta lá, então creio que não preciso upar esse projeto para lá.