

**Trabalho realizado por:** Simone Santos

**Professor:** André Carvalhas

**Tema:** Criar um repositório GitHub usando como primeira instância o command line do GIT.

### Código GIT utilizado

- Para a criação do repositório local

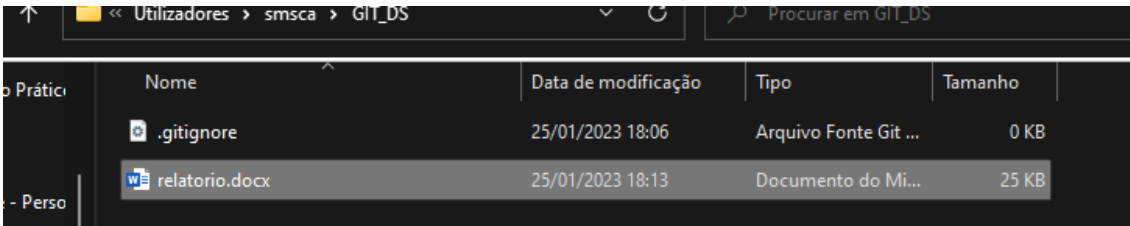
```
msca@simonesantos MINGW64 ~ (main)
$ mkdir GIT_DS

msca@simonesantos MINGW64 ~ (main)
$ cd GIT_DS

msca@simonesantos MINGW64 ~/GIT_DS (main)
$ git init
Initialized empty Git repository in C:/Users/smsca/GIT_DS/.git/
```

Criação do ficheiro .gitignore

```
msca@simonesantos MINGW64 ~/GIT_DS (master)
$ touch .gitignore
```



- Para conectar o repositório local ao remoto

```
msca@simonesantos MINGW64 ~/GIT_DS (master)
$ git commit -m "versao 0"
[master (root-commit) eecb0a8] versao 0
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 relatorio.docx

msca@simonesantos MINGW64 ~/GIT_DS (master)
$ git remote add origin https://github.com/enomis125/GIT_DS.git

msca@simonesantos MINGW64 ~/GIT_DS (master)
$ git push origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 222 bytes | 111.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/enomis125/GIT_DS.git
* [new branch]      master -> master

msca@simonesantos MINGW64 ~/GIT_DS (master)
$ git add .gitignore

msca@simonesantos MINGW64 ~/GIT_DS (master)
$ git push origin master
```

## Git Flow

```

smsca@simonesantos MINGW64 ~/GIT_DS (master)
$ git flow init

Which branch should be used for bringing forth production releases?
- master
Branch name for production releases: [master]
Branch name for "next release" development: [develop]

How to name your supporting branch prefixes?
Feature branches? [feature/]
Bugfix branches? [bugfix/]
Release branches? [release/]
Hotfix branches? [hotfix/]
Support branches? [support/]
Version tag prefix? []
Hooks and filters directory? [C:/Users/smsca/GIT_DS/.git/hooks]

smsca@simonesantos MINGW64 ~/GIT_DS (develop)
$ git add relatorio.docx

smsca@simonesantos MINGW64 ~/GIT_DS (develop)
$ git commit -m "versao 0"
On branch develop
Changes not staged for commit:

```

Após iniciar o git flow, fiz push do ficheiro relatorioGIT.docx para o GitHub para o branch develop (ponto 5, alínea a)

```

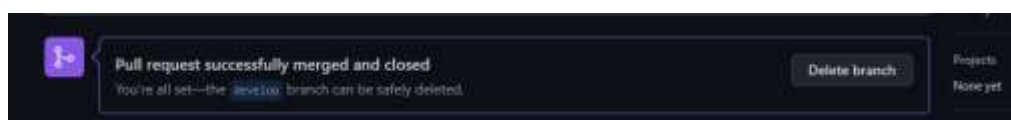
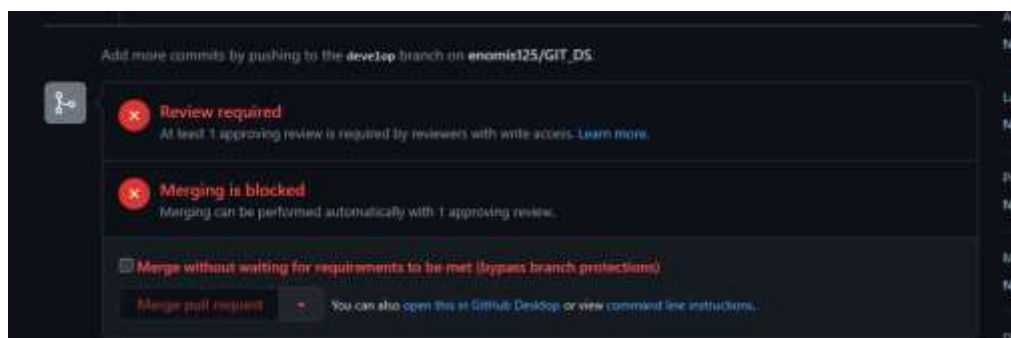
smsca@simonesantos MINGW64 ~/GIT_DS (develop)
$ git add relatorio.docx

smsca@simonesantos MINGW64 ~/GIT_DS (develop)
$ git commit -m "versao 0"
[develop ca8c69c] versao 0
1 file changed, 0 insertions(+), 0 deletions(-)

smsca@simonesantos MINGW64 ~/GIT_DS (develop)
$ git push origin master
Everything up-to-date

smsca@simonesantos MINGW64 ~/GIT_DS (develop)
$ git push origin develop
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 2 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 22.17 KiB | 7.39 MiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'develop' on GitHub by visiting:
remote: https://github.com/enomis125/GIT_DS/pull/new/develop

```





Criei a regra de pull request onde só se pode dar merge com a aprovação e review das alterações e comecei então a fazer as 5 alterações no ramo develop (ponto 5, alínea b).

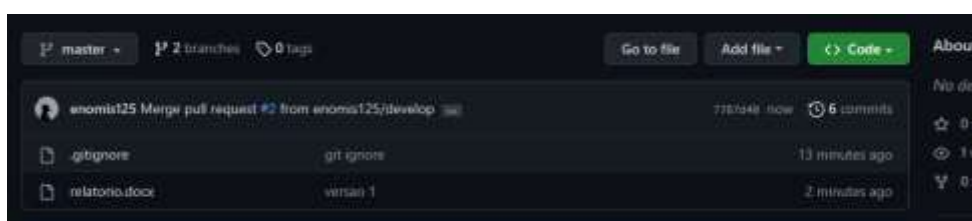
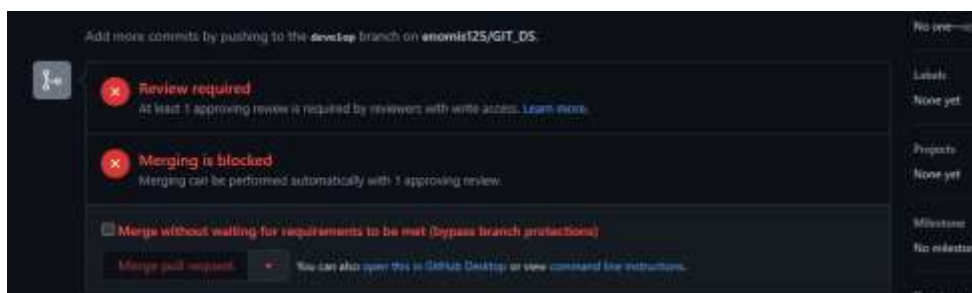
1 Alteração:

```
smsca@simonesantos MINGW64 ~/GIT_DS (develop)
$ git add relatorio.docx

smsca@simonesantos MINGW64 ~/GIT_DS (develop)
$ git commit -m "versao 1"
[develop b2d32ea] versao 1
1 file changed, 0 insertions(+), 0 deletions(-)

smsca@simonesantos MINGW64 ~/GIT_DS (develop)
$ git push origin develop
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 2 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 193.43 KiB | 11.38 MiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/enomis125/GIT_DS.git
ca8c69c..b2d32ea develop -> develop

smsca@simonesantos MINGW64 ~/GIT_DS (develop)
```



Depois, fiz o mesmo para as outras 4 alterações na develop:

```
smsca@simonesantos MINGW64 ~/GIT_DS (develop)
$ git add relatorio.docx

smsca@simonesantos MINGW64 ~/GIT_DS (develop)
$ git commit -m "versao 2"
[develop f201edc] versao 2
1 file changed, 0 insertions(+), 0 deletions(-)

smsca@simonesantos MINGW64 ~/GIT_DS (develop)
$ git push origin develop
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 2 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 102.37 KiB | 2.92 MiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/enomis125/GIT_DS.git
    b2d32ea..f201edc  develop -> develop

smsca@simonesantos MINGW64 ~/GIT_DS (develop)
```

```
smsca@simonesantos MINGW64 ~/GIT_DS (develop)
$ git add relatorio.docx

smsca@simonesantos MINGW64 ~/GIT_DS (develop)
$ git commit -m "versao 3"
[develop 7458784] versao 3
1 file changed, 0 insertions(+), 0 deletions(-)

smsca@simonesantos MINGW64 ~/GIT_DS (develop)
$ git push origin develop
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 2 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 31.77 KiB | 2.89 MiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/enomis125/GIT_DS.git
    f201edc..7458784  develop -> develop

smsca@simonesantos MINGW64 ~/GIT_DS (develop)
```

```
smsca@simonesantos MINGW64 ~/GIT_DS (develop)
$ git add relatorio.docx

smsca@simonesantos MINGW64 ~/GIT_DS (develop)
$ git commit -m "versao 4"
[develop bed60b7] versao 4
1 file changed, 0 insertions(+), 0 deletions(-)

smsca@simonesantos MINGW64 ~/GIT_DS (develop)
$ git push origin develop
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 2 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 28.75 KiB | 2.40 MiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/enomis125/GIT_DS.git
    7458784..bed60b7  develop -> develop

smsca@simonesantos MINGW64 ~/GIT_DS (develop)
```

```
smsca@simonesantos MINGW64 ~/GIT_DS (develop)
$ git add relatorio.docx

smsca@simonesantos MINGW64 ~/GIT_DS (develop)
$ git commit -m "versao 5"
[develop 1984fc9] versao 5
smsca@simonesantos MINGW64 ~/GIT_DS (develop)(-)
$ git push origin develop
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 2 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 32.66 KiB | 2.72 MiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/enomis125/GIT_DS.git
    bed60b7..1984fc9  develop -> develop

smsca@simonesantos MINGW64 ~/GIT_DS (develop)
```

## Criação da release:

```
smsca@simonesantos MINGW64 ~/GIT_DS (develop)
$ git flow release start RELEASE
Switched to a new branch 'release/RELEASE'

Summary of actions:
- A new branch 'release/RELEASE' was created, based on 'develop'
- You are now on branch 'release/RELEASE'

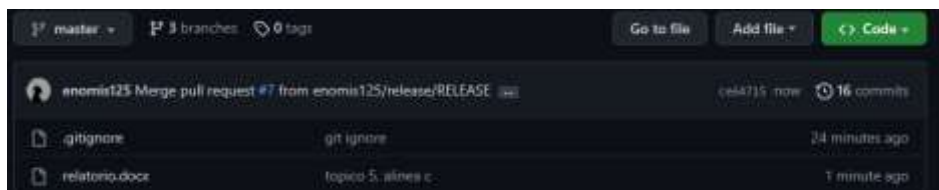
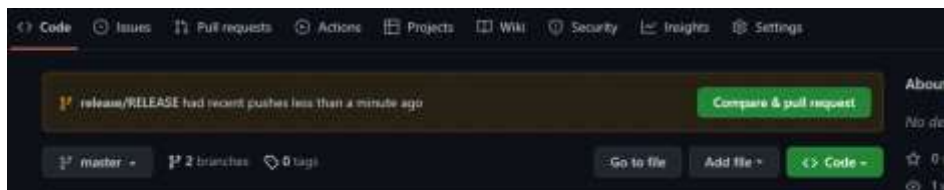
Follow-up actions:
- Bump the version number now!
- Start committing last-minute fixes in preparing your release
- When done, run:

    git flow release finish 'RELEASE'
```

```
smsca@simonesantos MINGW64 ~/GIT_DS (release/RELEASE)
$ git add relatorio.docx

smsca@simonesantos MINGW64 ~/GIT_DS (release/RELEASE)
$ git commit -m "topico 5, alinea c"
[release/RELEASE 7b92612] topico 5, alinea c
1 file changed, 0 insertions(+), 0 deletions(-)

smsca@simonesantos MINGW64 ~/GIT_DS (release/RELEASE)
$ git push origin release/RELEASE
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 2 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 49.69 KiB | 3.31 MiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'release/RELEASE' on GitHub by visiting:
remote:   https://github.com/enomis125/GIT_DS/pull/new/release/RELEASE
remote:
To https://github.com/enomis125/GIT_DS.git
 * [new branch]      release/RELEASE -> release/RELEASE
```



## Criação de hotfix:

```
smsca@simonesantos MINGW64 ~/GIT_DS (master)
$ git flow hotfix start FIX
Branches 'master' and 'origin/master' have diverged.
And local branch 'master' is ahead of 'origin/master'.
Switched to a new branch 'hotfix/FIX'

Summary of actions:
- A new branch 'hotfix/FIX' was created, based on 'master'
- You are now on branch 'hotfix/FIX'

Follow-up actions:
- Start committing your hot fixes
- Bump the version number now!
- When done, run:

    git flow hotfix finish 'FIX'
```

```
$ git add relatorio.docx

smsca@simonesantos MINGW64 ~/GIT_DS (hotfix/FIX)
$ git commit -m "Link acesso"
[hotfix/FIX 2f9a477] Link acesso
1 file changed, 0 insertions(+), 0 deletions(-)

smsca@simonesantos MINGW64 ~/GIT_DS (hotfix/FIX)
$ git push origin hotfix/FIX
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 2 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (5/5), 24.84 KiB | 1.46 MiB/s, done.
Total 5 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
remote:
remote: Create a pull request for 'hotfix/FIX' on GitHub by visiting:
remote:   https://github.com/enomis125/GIT_DS/pull/new/hotfix/FIX
remote:
To https://github.com/enomis125/GIT_DS.git
 * [new branch]      hotfix/FIX -> hotfix/FIX

smsca@simonesantos MINGW64 ~/GIT_DS (hotfix/FIX)
```

Link de acesso: [enomis125/GIT\\_DS \(github.com\)](https://github.com/enomis125/GIT_DS)