*Realizar el ejercicio mediante línea de comandos en Windows, Linux o Mac

Crear una carpeta llamada gitpracticaflow e inicializar el repositorio con el comando correspondiente tomando en cuenta qué existen dos ramas: main y flow

mkdir gitpracticaflow

cd gitpracticaflow

git flow init

```
C:\CLASEBARRON\gitpracticaflow>git flow init
Initialized empty Git repository in C:/CLASEBARRON/gitpracticaflow/.git/
No branches exist yet. Base branches must be created now.
Branch name for production releases: [master] main
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? [] 1.0
Hooks and filters directory? [C:/CLASEBARRON/gitpracticaflow/.git/hooks]
```

*Comprueba el estado del repositorio a través del comando correspondiente.

git status

*Como desarrollador crea una nueva funcionalidad llamada fun-login utilizando el patrón MVC y los comandos correspondientes de gitflow

git flow feature start fun-login main

```
C:\CLASEBARRON\gitpracticaflow>git flow feature start fun-login main
Switched to a new branch 'feature/fun-login'

Summary of actions:
- A new branch 'feature/fun-login' was created, based on 'main'
- You are now on branch 'feature/fun-login'

Now, start committing on your feature. When done, use:

    git flow feature finish fun-login
```

```
C:\CLASEBARRON\gitpracticaflow>git branch
  develop
* feature/fun-login
  main
```

Crea tres carpetas llamadas: model, views y controller.

Agregar un archivo para cada carpeta

- Model: ModelLoginDTO.java
- Views: viewLogin.html
- Controller: ControllerLogin.java

```
C:\CLASEBARRON\gitpracticaflow>mkdir model

C:\CLASEBARRON\gitpracticaflow>mkdir views

C:\CLASEBARRON\gitpracticaflow>mkdir controller
```

Finaliza la funcionalidad

Verificar las diferencias entre las ramas main y develop a través del comando: git diff main..develop

```
C:\CLASEBARRON\gitpracticaflow>git branch
  develop
* feature/fun-login
  main
```

Crear una modificación a la funcionalidad fun-login

ModelLoginDTO.java agregar la instrucción public class modelLoginDTO {}

```
C:\CLASEBARRON\gitpracticaflow>cd model

C:\CLASEBARRON\gitpracticaflow\model>copy con ModelLoginDTO.java
public class modelLoginDTO {}^Z
        1 archivo(s) copiado(s).
```

viewsLogin.html agregar la instrucción <h1> Estoy entre ramas </h1>

```
C:\CLASEBARRON\gitpracticaflow>cd views

C:\CLASEBARRON\gitpracticaflow\views>copy con viewsLogin.html
<h1> Estoy entre ramas </h1>^Z
        1 archivo(s) copiado(s).
```

ControlleLogin.java agregar la instrucción public class controlleLogin.java{}

```
C:\CLASEBARRON\gitpracticaflow>cd controller

C:\CLASEBARRON\gitpracticaflow\controller>copy con ControlleLogin.java
public class controlleLogin.java{}^Z
        1 archivo(s) copiado(s).
```

Guardar los cambios al Stanging Area

```
C:\CLASEBARRON\gitpracticaflow>git status
On branch feature/fun-login
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        controller/
        model/
        views/

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

C:\CLASEBARRON\gitpracticaflow>git add .

C:\CLASEBARRON\gitpracticaflow>git commit -m "Stanging Area"
[feature/fun-login 4c074e0] Stanging Area
 3 files changed, 3 insertions(+)
 create mode 100644 controller/ControlleLogin.java
 create mode 100644 model/ModelLoginDTO.java
 create mode 100644 views/viewsLogin.html
```

Verificar la historia de los commits

```
C:\CLASEBARRON\gitpracticaflow>git log
commit 4c074e0df1e9c880ada826faba454a865f79a632 (HEAD -> feature/fun-log
in)
Author: Denis Castillo <denis.se2001@hotmail.com>
Date:   Fri May 26 16:49:20 2023 -0600

    Stanging Area

commit dc332d04786d18be654f2089586c342cc40007fc (main, develop)
Author: Denis Castillo <denis.se2001@hotmail.com>
Date:   Fri May 26 16:37:40 2023 -0600

    Initial commit
```

Verificar las diferencias entre las ramas main y develop a través del comando

```
C:\CLASEBARRON\gitpracticaflow>git diff main..develop
```

Iniciar una liberación con la versión 1.0 como prefijo

```
C:\CLASEBARRON\gitpracticaflow>git flow feature finish fun-login
Switched to branch 'main'
Updating dc332d0..4c074e0
Fast-forward
 controller/ControlleLogin.java | 1 +
 model/ModelLoginDTO.java       | 1 +
 views/viewsLogin.html          | 1 +
 3 files changed, 3 insertions(+)
 create mode 100644 controller/ControlleLogin.java
 create mode 100644 model/ModelLoginDTO.java
 create mode 100644 views/viewsLogin.html
Deleted branch feature/fun-login (was 4c074e0).

Summary of actions:
- The feature branch 'feature/fun-login' was merged into 'main'
- Feature branch 'feature/fun-login' has been locally deleted
- You are now on branch 'main'
```

Iniciar la liberación con el sufijo ".1".

Finalizar la liberación

```
C:\CLASEBARRON\gitpracticaflow>git flow release finish -m "Versión 1.0" "
1.0"
Already on 'main'
Switched to branch 'develop'
Merge made by the 'ort' strategy.
 controller/ControlleLogin.java | 1 +
 model/ModelLoginDTO.java       | 1 +
 views/viewsLogin.html          | 1 +
 3 files changed, 3 insertions(+)
 create mode 100644 controller/ControlleLogin.java
 create mode 100644 model/ModelLoginDTO.java
 create mode 100644 views/viewsLogin.html
Deleted branch release/1.0 (was dc332d0).

Summary of actions:
- Release branch 'release/1.0' has been merged into 'main'
- The release was tagged '1.01.0'
- Release tag '1.01.0' has been back-merged into 'develop'
- Release branch 'release/1.0' has been locally deleted
- You are now on branch 'develop'


C:\CLASEBARRON\gitpracticaflow>git diff main.develop
fatal: ambiguous argument 'main.develop': unknown revision or path not in
 the working tree.
Use '--' to separate paths from revisions, like this:
'git <command> [<revision>...] -- [<file>...]'

C:\CLASEBARRON\gitpracticaflow>git diff main..develop

C:\CLASEBARRON\gitpracticaflow>git tag --list
1.01.0
```

Verificar las diferencias entre las ramas main y develop a través del comando

```
C:\CLASEBARRON\gitpracticaflow>git diff main..develop
```