

# Práctica Comandos Git Flow a nivel local

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**

**C:\Users\DELL\Documents\gitpracticaflow>git flow init**

```
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:/Users/DELL/Documents/gitpracticaflow/.git/hooks]
```

gitpracticaflow >			
Nombre	Fecha de modificación	Tipo	Tamari
.git	26/05/2023 04:29 p. m.	Carpeta de archivos	

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

**C:\Users\DELL\Documents\gitpracticaflow>git status**

```
C:\Users\DELL\Documents\gitpracticaflow>git status
On branch develop
nothing to commit, working tree clean
```

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

**C:\Users\DELL\Documents\gitpracticaflow>git flow feature start fun-login**

```
Switched to a new branch 'feature/fun-login'


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

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

    git flow feature finish fun-login
```

- Crea tres carpetas llamadas: **model, views y controller**.  
C:\Users\DELL\Documents\gitpracticaflow>mkdir model  
  
C:\Users\DELL\Documents\gitpracticaflow>mkdir views

```
C:\Users\DELL\Documents\gitpracticaflow>mkdir controller
```

 .git	26/05/2023 04:29 p. m.	Carpeta de archivos
 controller	26/05/2023 04:32 p. m.	Carpeta de archivos
 model	26/05/2023 04:32 p. m.	Carpeta de archivos
 views	26/05/2023 04:32 p. m.	Carpeta de archivos

- Agregar un archivo para cada carpeta

- Model: **ModelLoginDTO.java**

```
C:\Users\DELL\Documents\gitpracticaflow\model>copy con.ModelLoginDTO.java
Modelo del login^Z
Modelo del login      1 archivo(s) copiado(s).
```

- Views: **viewLogin.html**

```
C:\Users\DELL\Documents\gitpracticaflow\views>copy con.viewLogin.html
vista login^Z
vista login          1 archivo(s) copiado(s).
```

- Controller: **ControllerLogin.java**

```
C:\Users\DELL\Documents\gitpracticaflow\controller>copy con.ControllerLogin.java
controlador login
controlador login
^Z
1 archivo(s) copiado(s).
```

- Finaliza la funcionalidad

```
C:\Users\DELL\Documents\gitpracticaflow>git flow feature finish fun-login
```

```
Switched to branch 'develop'
Already up to date.
Deleted branch feature/fun-login (was 9f7b16d).

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

C:\Users\DELL\Documents\gitpracticaflow>git branch
* develop
  main
```

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

```
C:\Users\DELL\Documents\gitpracticaflow>git diff main..develop
```

- Crear una modificación a la funcionalidad fun-login
  - **ModelLoginDTO.java** agregar la instrucción **public class modelLoginDTO**  
**{**

```
C:\Users\DELL\Documents\gitpracticaflow\model>copy con.ModelLoginDTO.java
public class modelLoginDTO {}
public class modelLoginDTO {}

1 archivo(s) copiado(s).
```

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

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

- **ControlleLogin.java** agregar la instrucción `public class controleLogin.java{}`

```
C:\Users\DELL\Documents\gitpracticaflow\controller>copy con.ControllerLogin.java
public class controleLogin.java{ }^Z
public class controleLogin.java{ }      1 archivo(s) copiado(s).
```

- Guardar los cambios al Stanging Area

```
C:\Users\DELL\Documents\gitpracticaflow>git commit -m "funcionalidad cambiada del fun-login"
On branch develop
nothing to commit, working tree clean
```

- Verificar la historia de los commits

```
C:\Users\DELL\Documents\gitpracticaflow>git log
commit ce440ae3e8d159b0e89d51c402b0bc2d9369c000 (HEAD -> main, develop)
Author: Bucky2 <bukigem84@gmail.com>
Date:   Fri May 26 17:27:09 2023 -0500

    hola

commit 9f7b16d50f9da8b8a531c1b6a51e1f3c851de27b
Author: Bucky2 <bukigem84@gmail.com>
Date:   Fri May 26 16:26:58 2023 -0500

    Initial commit
```

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

```
C:\Users\DELL\Documents\gitpracticaflow>git diff main..develop

C:\Users\DELL\Documents\gitpracticaflow>
```

- Iniciar una liberación con la versión 1.0 como prefijo

```
C:\Users\DELL\Documents\gitpracticaflow>git flow release start 1.0
Switched to a new branch 'release/1.0'
```

Summary of actions:

- A new branch 'release/1.0' was created, based on 'develop'
- You are now on branch 'release/1.0'

Follow-up actions:

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

```
git flow release finish '1.0'
```

- 
- Iniciar la liberación con el sufijo “.1”.

```
C:\Users\DELL\Documents\gitpracticaflow>git flow release start 1.0.1
Switched to a new branch 'release/1.0.1'
```

Summary of actions:

- A new branch 'release/1.0.1' was created, based on 'develop'
- You are now on branch 'release/1.0.1'

Follow-up actions:

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

```
git flow release finish '1.0.1'
```

```
C:\Users\DELL\Documents\gitpracticaflow>git flow release finish 1.0.1
Switched to branch 'main'
Deleted branch release/1.0.1 (was fdd88d0).
```

Summary of actions:

- Release branch 'release/1.0.1' has been merged into 'main'
- The release was tagged '1.01.0.1'
- Release branch 'release/1.0.1' has been locally deleted
- You are now on branch 'main'

- 
- Finalizar la liberación

```
C:\Users\DELL\Documents\gitpracticaflow>git flow release finish 1.0.1
Switched to branch 'main'
Deleted branch release/1.0.1 (was fdd88d0).
```

Summary of actions:

- Release branch 'release/1.0.1' has been merged into 'main'
- The release was tagged '1.01.0.1'
- Release branch 'release/1.0.1' has been locally deleted
- You are now on branch 'main'

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

```
C:\Users\DELL\Documents\gitpracticaflow>git diff main..develop
```

```
C:\Users\DELL\Documents\gitpracticaflow>
```