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# 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**

  mkdir gitpracticaflow
  cd gitpracticaflow
  git flow init

```
C:\Users\Itzel Guerrero Rdz\Downloads>mkdir gitpracticaflow

C:\Users\Itzel Guerrero Rdz\Downloads>cd gitpracticaflow

C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>git flow init
Initialized empty Git repository in C:/Users/Itzel Guerrero Rdz/Download
s/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? [] sprint1
Hooks and filters directory? [C:/Users/Itzel Guerrero Rdz/Downloads/gitp
racticaflow/.git/hooks]

C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>
```

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

  git status
```
C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>git status
On branch develop
nothing to commit, working tree clean

C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>
```
- Como desarrollador crea una nueva funcionalidad llamada fun-login utilizando el patrón MVC y los comandos correspondientes de gitflow

  git checkout develop

  git flow feature start fun–login

```
C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>git checkout devel
op
Already on 'develop'

C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>git flow feature s
tart 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


C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>
```

- o Crea tres carpetas llamadas: **model, views y controlle**r.

mkdir model views controller

```
C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>mkdir model views
controller

26/05/2023  04:30 p. m.    <DIR>          controller
26/05/2023  04:30 p. m.    <DIR>          model
26/05/2023  04:30 p. m.    <DIR>          views
            0 archivos              0 bytes
```

- o Agregar un archivo para cada carpeta
  - Model:  **ModelLoginDTO.java**
  - Views:  **viewLogin.html**
  - Controller: **ControllerLogin.java**

copy con ModelLoginDTO.java
copy con viewLogin.html
copy con ControllerLogin.java

```
C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>cd model

C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow\model>copy con Mod
elLoginDTO.java
^Z
        1 archivo(s) copiado(s).

C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow\model>cd..

C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>cd views

C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow\views>copy con vie
wLogin.html
^Z
        1 archivo(s) copiado(s).

C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow\views>cd..

C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>cd controller

C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow\controller>copy co
n ControllerLogin.java
^Z
        1 archivo(s) copiado(s).

C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow\controller>
```

o   Finaliza la funcionalidad

git add .
git commit –m "Finalización del fun–login feature"
git flow feature finish fun–login

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```
C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>git add .

C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>git commit -m "Fin
alización del fun-login feature"
[feature/fun-login 4d45156] Finalización del fun-login feature
 3 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 controller/ControllerLogin.java
 create mode 100644 model/ModelLoginDTO.java
 create mode 100644 views/viewLogin.html

C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>git flow feature f
inish fun-login
Switched to branch 'develop'
Updating 9208665..4d45156
Fast-forward
 controller/ControllerLogin.java | 0
 model/ModelLoginDTO.java         | 0
 views/viewLogin.html             | 0
 3 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 controller/ControllerLogin.java
 create mode 100644 model/ModelLoginDTO.java
 create mode 100644 views/viewLogin.html
Deleted branch feature/fun-login (was 4d45156).

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\Itzel Guerrero Rdz\Downloads\gitpracticaflow>
```

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

```
C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>git diff main..dev
elop
diff --git a/controller/ControllerLogin.java b/controller/ControllerLogi
n.java
new file mode 100644
index 0000000..e69de29
diff --git a/model/ModelLoginDTO.java b/model/ModelLoginDTO.java
new file mode 100644
index 0000000..e69de29
diff --git a/views/viewLogin.html b/views/viewLogin.html
new file mode 100644
index 0000000..e69de29
```

- Crear una modificación a la funcionalidad fun-login
  - **ModelLoginDTO.java** agregar la instrucción public class modelLoginDTO {}
  - **viewsLogin.html** agregar la instrucción <h1> Estoy entre ramas </h1>
  - **ControlleLogin.java** agregar la instrucción public class controlleLogin.java{}

  echo "public class ModelLoginDTO {}" > model/ModelLoginDTO.java
  echo "<h1> Estoy entre ramas </h1>" > views/viewLogin.html
  echo "public class ControllerLogin.java {}" > controller/ControllerLogin.java

```
C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>echo "public class
 ModelLoginDTO {}" > model/ModelLoginDTO.java

C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>echo "<h1> Estoy e
ntre ramas </h1>" > views/viewLogin.html

C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>echo "public class
 ControllerLogin.java {}" > controller/ControllerLogin.java

C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>
```

```
C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow\views>type viewLog
in.html
"<h1> Estoy entre ramas </h1>"
```

```
C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow\model>type ModelLo
ginDTO.java
"public class ModelLoginDTO {}"
```

```
C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow\controller>type Co
ntrollerLogin.java
"public class ControllerLogin.java {}"
```

○ Guardar los cambios al Stanging Area

git add .

git commit –m "Finalización de Actualización"

○ Verificar la historia de los commits

git log

```
C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>git log
commit 4481bc9248872d4b3308c90bc555f31116a810ec (HEAD -> develop)
Author: iguerrero02 <itzeljuliza@gmail.com>
Date:   Fri May 26 16:47:30 2023 -0600

    Finalización de Actualización

commit 4d45156cc4329064665361807b49b18eaaa93618
Author: iguerrero02 <itzeljuliza@gmail.com>
Date:   Fri May 26 16:39:05 2023 -0600

    Finalización del fun-login feature

commit 9208665a51c50b2d3c74a07c389605cc47e6bf6e (main)
Author: iguerrero02 <itzeljuliza@gmail.com>
Date:   Fri May 26 16:28:18 2023 -0600

    Initial commit
```

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

git diff main..develop

```
C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>git diff main..dev
elop
diff --git a/controller/ControllerLogin.java b/controller/ControllerLogi
n.java
new file mode 100644
index 0000000..787f7b0
--- /dev/null
+++ b/controller/ControllerLogin.java
@@ -0,0 +1 @@
+"public class ControllerLogin.java {}"
diff --git a/model/ModelLoginDTO.java b/model/ModelLoginDTO.java
new file mode 100644
index 0000000..cf25fd7
--- /dev/null
+++ b/model/ModelLoginDTO.java
@@ -0,0 +1 @@
+"public class ModelLoginDTO {}"
diff --git a/views/viewLogin.html b/views/viewLogin.html
new file mode 100644
index 0000000..730498c
--- /dev/null
+++ b/views/viewLogin.html
@@ -0,0 +1 @@
+"<h1> Estoy entre ramas </h1>"

C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>
```

- Iniciar una liberación con la versión 1.0 como prefijo

    git flow release start 1.0

```
C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>git flow release s
tart 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'


C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>
```

```
C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>git branch
   develop
   main
*  release/1.0

C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>
```

```
C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>git flow release f
inish "1.0"
Already on 'main'
Switched to branch 'develop'
Merge made by the 'ort' strategy.
Deleted branch release/1.0 (was 4481bc9).

Summary of actions:
- Release branch 'release/1.0' has been merged into 'main'
- The release was tagged 'sprint11.0'
- Release tag 'sprint11.0' has been back-merged into 'develop'
- Release branch 'release/1.0' has been locally deleted
- You are now on branch 'develop'


C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>
```

- Iniciar la liberación con el sufijo "**.1**".

  git flow release start 1.0.1

```
C:\Users\Itzel Guerrero Rdz\Downloads\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\Itzel Guerrero Rdz\Downloads\gitpracticaflow>
```

```
C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>git branch
  develop
  main
* release/1.0.1

C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>
```

- Finalizar la liberación


    git flow release finish 1.1

```
C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>git add .

C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>git commit -m "Version 1.0.1"
On branch release/1.0.1
nothing to commit, working tree clean

C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>git flow release finish 1.0.1
Switched to branch 'main'
Merge made by the 'ort' strategy.
Already on 'main'
Switched to branch 'develop'
Merge made by the 'ort' strategy.
Deleted branch release/1.0.1 (was 7da0ff0).

Summary of actions:
- Release branch 'release/1.0.1' has been merged into 'main'
- The release was tagged 'sprint11.0.1'
- Release tag 'sprint11.0.1' has been back-merged into 'develop'
- Release branch 'release/1.0.1' has been locally deleted
- You are now on branch 'develop'


C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>git branch
* develop
  main
```

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


    git diff main..develop

```
C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>git diff main..develop

C:\Users\Itzel Guerrero Rdz\Downloads\gitpracticaflow>
```