

## 1. CREAR RAMA DESDE REP LOCAL

- **git branch:** crea una rama

```
MINGW64:/c/Users/drag/willyAMWS1

drags@DESKTOP-LNGNKE6 MINGW64 ~/willyAMWS1 (main)
$ git branch
* main

drags@DESKTOP-LNGNKE6 MINGW64 ~/willyAMWS1 (main)
$ git branch v1

drags@DESKTOP-LNGNKE6 MINGW64 ~/willyAMWS1 (main)
$ git branch
* main
  v1

drags@DESKTOP-LNGNKE6 MINGW64 ~/willyAMWS1 (main)
$ |
```

- **git checkout:** cambiar a rama activa para efectuar cambios

```
drags@DESKTOP-LNGNKE6 MINGW64 ~/willyAMWS1 (main)
$ git checkout v1
Switched to branch 'v1'

drags@DESKTOP-LNGNKE6 MINGW64 ~/willyAMWS1 (v1)
$ git branch
  main
* v1

drags@DESKTOP-LNGNKE6 MINGW64 ~/willyAMWS1 (v1)
$ |
```

## 2. CREAR RAMA DESDE COMMIT

(acceso a una versión del archivo anterior a la ultima)

- **git log:** indica los commit de una rama

```
drags@DESKTOP-LNGNKE6 MINGW64 ~/willyAMWS1 (v1)
$ git log
commit be892dee273fce226d6ce41d80568d53f3ba0454 (HEAD -> v1, origin/v1)
Author: Darkoul21 <williammg0904@gmail.com>
Date: Sun Jan 7 16:54:53 2024 +0100

    Create README.txt

    readme añadido

commit bdc62172fa3075b7371c6f3eb07720b71b8816f0 (origin/main, origin/HEAD, main)
Author: Darkoul21 <williammg0904@gmail.com>
Date: Sun Jan 7 16:27:28 2024 +0100

    Initial commit

drags@DESKTOP-LNGNKE6 MINGW64 ~/willyAMWS1 (v1)
$ |
```

- **git branch** “will/vInici bdc62172fa3075b7371c6f3eb07720b71b8816f0

(crear rama desde versión anterior (con el id del commit))

```
drags@DESKTOP-LNGNKE6 MINGW64 ~/willyAMWS1 (v1)
$ git branch "will/vInici" bdc62172fa3075b7371c6f3eb07720b71b8816f0

drags@DESKTOP-LNGNKE6 MINGW64 ~/willyAMWS1 (v1)
$ git branch
main
* v1
will/vInici

drags@DESKTOP-LNGNKE6 MINGW64 ~/willyAMWS1 (v1)
$ |
```

## CREAR RAMA DESDE REPOSITORIO REMOTO

- **git pull origin** “directorio rama externa”

La rama a solicitar es v2: en la captura se observa como la rama no existe en nuestro directorio local y es importada con el comando pull, además de la opción de poder trabajar en esta (checkout).

```
drags@DESKTOP-LNGNKE6 MINGW64 ~/willyAMWS1 (v1)
$ git branch
main
* v1
will/vInici

drags@DESKTOP-LNGNKE6 MINGW64 ~/willyAMWS1 (v1)
$ git pull origin v2
remote: Enumerating objects: 1, done.
remote: Counting objects: 100% (1/1), done.
remote: Total 1 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (1/1), 628 bytes | 209.00 KiB/s, done.
From https://github.com/DarkKoul-Wmg/willyAMWS1
 * branch          v2          -> FETCH_HEAD
 * [new branch]    v2          -> origin/v2
Updating be892de..eb8c54f
Fast-forward

drags@DESKTOP-LNGNKE6 MINGW64 ~/willyAMWS1 (v1)
$ git checkout v2
Switched to a new branch 'v2'
branch 'v2' set up to track 'origin/v2'.

drags@DESKTOP-LNGNKE6 MINGW64 ~/willyAMWS1 (v2)
$ git branch
main
v1
* v2
will/vInici

drags@DESKTOP-LNGNKE6 MINGW64 ~/willyAMWS1 (v2)
$ |
```

## FUSIONAR RAMAS

- **git checkout** “main”

Guardamos cambios en la rama (git add) y pasamos a la principal (main).

```
drags@DESKTOP-LNGNKE6 MINGW64 ~/willyAMWS1 (v1)
$ git add README.txt

drags@DESKTOP-LNGNKE6 MINGW64 ~/willyAMWS1 (v1)
$ git commit -m "saludo"
[v1 91e772c] saludo
1 file changed, 1 insertion(+)

drags@DESKTOP-LNGNKE6 MINGW64 ~/willyAMWS1 (v1)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
```

- **git merge** “v1”

```
drags@DESKTOP-LNGNKE6 MINGW64 ~/willyAMWS1 (main)
$ git merge v1
Updating bdc6217..91e772c
Fast-forward
 README.txt | 1 +
1 file changed, 1 insertion(+)
create mode 100644 README.txt
```

Resultado del merge: uso de git status y git log para ver los cambios que se han realizado.

```
drags@DESKTOP-LNGNKE6 MINGW64 ~/willyAMWS1 (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 3 commits.
(use "git push" to publish your local commits)

nothing to commit, working tree clean

drags@DESKTOP-LNGNKE6 MINGW64 ~/willyAMWS1 (main)
$ git log
commit 91e772c36228646106bc263bd46431470276079c (HEAD -> main, v1)
Author: DarkKoul21 <williammg0904@gmail.com>
Date: Sun Jan 7 17:19:35 2024 +0100

    saludo

commit eb8c54feb00ba56c023b9a1a4ce9c36d4f3af126 (origin/v2, v2)
Merge: bdc6217 be892de
Author: DarkKoul W <124098100+DarkKoul-Wmg@users.noreply.github.com>
Date: Sun Jan 7 16:55:43 2024 +0100

    Merge pull request #1 from DarkKoul-Wmg/v1

    Create README.txt

commit be892dee273fce226d6ce41d80568d53f3ba0454 (origin/v1)
Author: DarkKoul21 <williammg0904@gmail.com>
Date: Sun Jan 7 16:54:53 2024 +0100

    Create README.txt

readme añadido
```

## FUSIONAR RAMAS REPOSITORIO REMOTO

- **git push --set-upstream origin <branch name>**

realizamos un push para que los cambios lleguen al repositorio remoto:

```
drags@DESKTOP-LNGNKE6 MINGW64 ~/willyAMWS1 (v1)
$ git status
On branch v1
Your branch is up to date with 'origin/v1'.

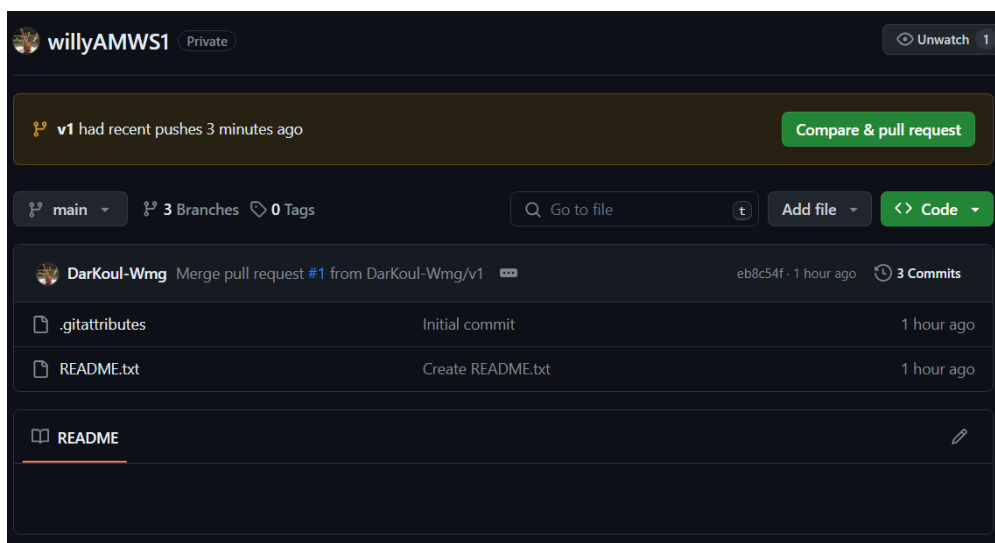
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   README.txt

drags@DESKTOP-LNGNKE6 MINGW64 ~/willyAMWS1 (v1)
$ git commit -m "version del director"
[v1 03e5197] version del director
 1 file changed, 2 insertions(+), 1 deletion(-)

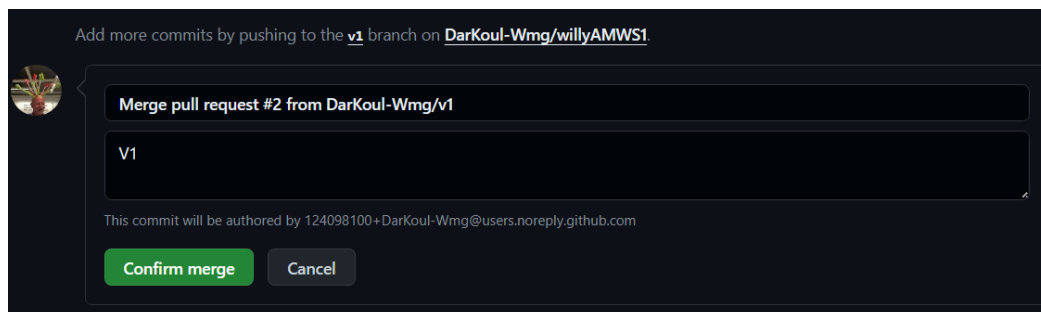
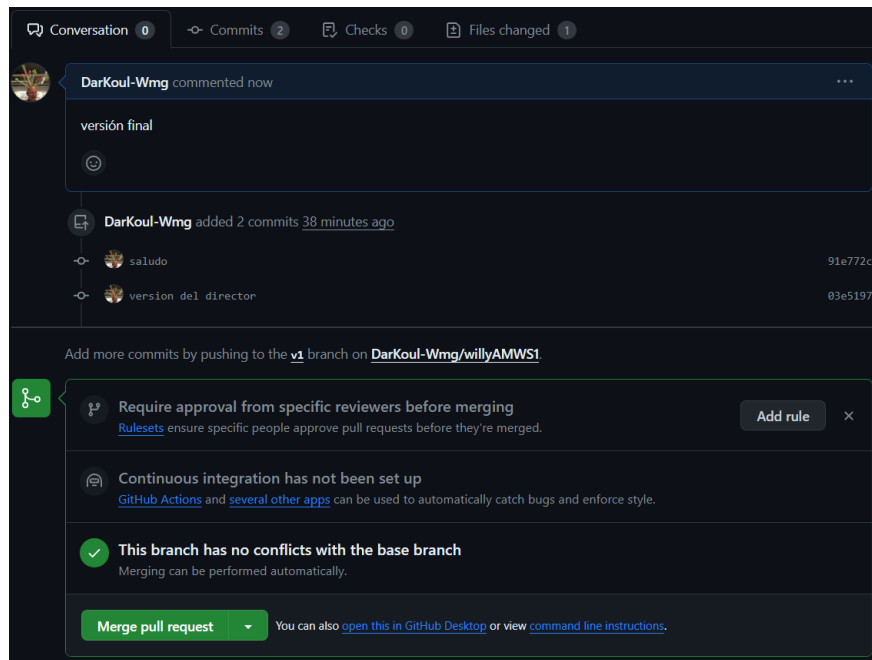
drags@DESKTOP-LNGNKE6 MINGW64 ~/willyAMWS1 (v1)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 311 bytes | 311.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/DarKoul-Wmg/willyAMWS1.git
   91e772c..03e5197  v1 -> v1

drags@DESKTOP-LNGNKE6 MINGW64 ~/willyAMWS1 (v1)
$ |
```

- Pull request desde el repositorio remoto



- Confirmación del merge:



- Una vez cerrada, nos sale la opción de eliminar la rama creada, y observamos que ya no tenemos ninguna pull request:

