

# Examen Git

## 1. Primer ejercicio:

1. Config user.name y user.mail.

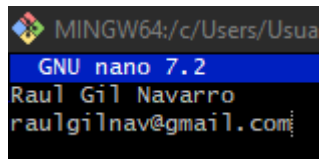
```
Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (master)
$ git config --global user.name "Raul"

Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (master)
$ git config --global user.email "raulgilnav@gmail.com"
```

2. Modificar el fichero.

```
Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (master)
$ git init
```

```
Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (master)
$ nano PrimeroFichero.txt
```



MINGW64:/c/Users/Usua  
GNU nano 7.2  
Raul Gil Navarro  
raulgilnav@gmail.com

3. Pasarlo al área stage.

```
Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (master)
$ git add .
```

4. Ver el estado.

```
Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   PrimeroFichero.txt
```

```

Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (master)
$ cat > SegundoFichero.txt

Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   PrimeroFichero.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        SegundoFichero.txt

```

5. Crear la primera versión

```

Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (master)
$ git commit -m "version 1"
[master (root-commit) 2d524dc] version 1
1 file changed, 2 insertions(+)
create mode 100644 PrimeroFichero.txt

```

```

MINGW64:/c/Users/Usuari
GNU nano 7.2
Raul Gil Navarro
raulgilnav@gmail.com
preparando Version 2...

```

```

Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (master)
$ nano > TercerFichero.txt

```

```

Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (master)
$ git status
On branch master

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   PrimeroFichero.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        SegundoFichero.txt
        TercerFichero.txt

no changes added to commit (use "git add" and/or "git commit -a")

```

6. Borrar SegundoFichero desde Git

```

Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (master)
$ rm SegundoFichero.txt

```

7. Crear segunda versión.

```

Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (master)
$ git add .
warning: in the working copy of 'PrimerFichero.txt', LF will be
Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (master)
$ git commit -m "version 2"
[master a58e037] version 2
2 files changed, 2 insertions(+)
create mode 100644 TercerFichero.txt

```

8. Ver las versiones.

```

Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (master)
$ git log
commit a58e037b34258339791f164c6bbed6ff7020305e (HEAD -> master)
Author: Raul <raulgilnav@gmail.com>
Date: Wed May 29 12:25:28 2024 +0200

    version 2

commit 2d524dc74b19588b24f1626d0153588472489406
Author: Raul <raulgilnav@gmail.com>
Date: Wed May 29 12:21:56 2024 +0200

    version 1

```

```

MINGW64:/c/Users/
GNU nano 7.2
i. Hola
ii. Buenas
iii. Adios

```

9. Añadir cambios a la zona temporal.

```

Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (master)
$ git add .

```

10. Quitar los cambios en TercerFichero.

```

Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (master)
$ git restore TercerFichero.txt

```

11. Mostrar los últimos cambios del repositorio.

12. Deshacer cambios en el fichero TercerFichero.

```

Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (master)
$ git restore TercerFichero.txt

```

```

MINGW64:/c/Users/Usuari
GNU nano 7.2
Raul Gil Navarro
raulgilnav@gmail.com
preparando Version 3...

```

13. Mostrar los cambios

```

Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (master)
$ git diff
warning: in the working copy of 'PrimerOfichero.txt', LF will
diff --git a/PrimerOfichero.txt b/PrimerOfichero.txt
index b328320..c25f2a9 100644
--- a/PrimerOfichero.txt
+++ b/PrimerOfichero.txt
@@ -1,3 +1,3 @@
 Raul Gil Navarro
 raulgilnav@gmail.com
-preparando Version 2
+preparando Version 3

```

```

Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (master)
$ git commit -m "version 3"
[master 1be7df5] version 3
1 file changed, 1 insertion(+), 1 deletion(-)

```

```

Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (master)
$ git log
commit 1be7df5e9ce674b17c63793042b9b61c9ee55586 (HEAD -> master)
Author: Raul <raulgilnav@gmail.com>
Date: Wed May 29 12:47:56 2024 +0200

    version 3

commit a58e037b34258339791f164c6bbbed6ff7020305e
Author: Raul <raulgilnav@gmail.com>
Date: Wed May 29 12:25:28 2024 +0200

    version 2

commit 2d524dc74b19588b24f1626d0153588472489406
Author: Raul <raulgilnav@gmail.com>
Date: Wed May 29 12:21:56 2024 +0200

    version 1

```

## 2. Ramas

Crear una nueva rama

```

Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (master)
$ git checkout -b RamaDos
Switched to a new branch 'RamaDos'

```

Mostrar las ramas

```

Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (RamaDos)
$ git branch
* RamaDos
master

```

Cambiarse a la rama dos

(ya estoy en la RamaDos porque usé checkout)

Crear un fichero y añadirle contenido

```
Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (RamaDos)
$ cat > ficheroRamaDos.txt
Contenido
```

Fusionar esta rama con la master

```
Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (RamaDos)
$ git merge RamaDos master
```

Eliminar la rama

```
Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (master)
$ git branch -d RamaDos
Deleted branch RamaDos (was 1be7df5).
```

### 3. Conectar con GitHub

1. Conectar el repositorio local con el remoto

```
Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (master)
$ git remote add Arduino https://github.com/arduino/Arduino.git
```


2. Crear un fork

## Create a new fork

A *fork* is a copy of a repository. Forking a repository allows you to freely experiment with changes without affecting the original project. [View existing forks.](#)


*Required fields are marked with an asterisk (\*).*

Owner \*

 raulgilnav ▾

Repository name \*


Examen\_Git

 Examen\_Git is available.

By default, forks are named the same as their upstream repository. You can customize the name to distinguish it further.

Description (optional)

☒ **Copy the `main` branch only**  
Contribute back to ptorluj/Examen\_Git by adding your own branch. [Learn more.](#)

 You are creating a fork in your personal account.

Create fork

3. Mostrar los repositorios remotos

```
Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (master)
$ git remote -v
Arduino https://github.com/arduino/Arduino.git (fetch)
Arduino https://github.com/arduino/Arduino.git (push)
ExamenGit https://github.com/raulgilnav/Examen_Git.git (fetch)
ExamenGit https://github.com/raulgilnav/Examen_Git.git (push)
```

#### 4. Clonar el repositorio

```
Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (master)
$ git clone https://github.com/raulgilnav/Examen_Git.git
Cloning into 'Examen_Git'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
```

#### 5. Crear una nueva rama

```
Usuario@Z2-20-009 MINGW64 ~/Documents/git/gitRaulGil (master)
$ git checkout -b Raul
Switched to a new branch 'Raul'
```