



# GIT



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# Parte 1: Configuración de Git

## Instalar Git:

Abrimos la terminal y escribimos el comando **git version** de esta forma revisamos que este instalado y la versión

```
D:\OneDrive - Centre d'Estudis Monlau>git version  
git version 2.49.0.windows.1
```

En caso de que no estuviera instalado deberíamos ir a instalarlo a la siguiente web:

<https://git-scm.com/book/en/v2/Getting-Started-Installing-Git>.

## Configurar Git:

Ahora configuramos nuestro usuario y correo con el que queremos que los commits se registren bien

```
D:\OneDrive - Centre d'Estudis Monlau>git config --global user.name "Daniel"  
D:\OneDrive - Centre d'Estudis Monlau>git config --global user.email danielgarbrut3@gmail.com  
D:\OneDrive - Centre d'Estudis Monlau>
```

Ahora creamos los repositorios locales para esto creamos una carpeta para el proyecto para esto usamos mkdir y cd

```
D:\OneDrive - Centre d'Estudis Monlau>mkdir mi-primer-repo  
D:\OneDrive - Centre d'Estudis Monlau>cd mi-primer-repo  
D:\OneDrive - Centre d'Estudis Monlau\mi-primer-repo>
```

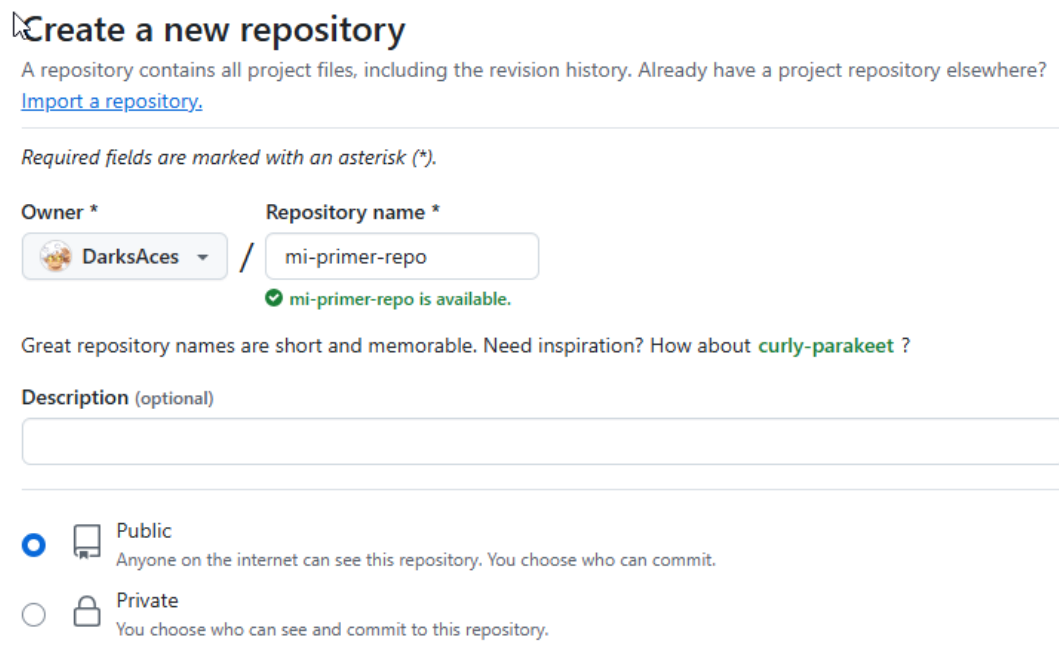
Ahora iniciamos el repositorio con git init

```
D:\OneDrive - Centre d'Estudis Monlau\mi-primer-repo>git init  
Initialized empty Git repository in D:/OneDrive - Centre d'Estudis Monlau/mi-primer-repo/.git/  
D:\OneDrive - Centre d'Estudis Monlau\mi-primer-repo>
```

## Parte 2: Crear un repositorio en GitHub y clonar en tu máquina local

### Crear un repositorio en GitHub

Accedemos a GitHub, inicia sesión y haz clic en "New repository". • Nombra tu repositorio (ej. "mi-primer-repo") y crea el repositorio




**Create a new repository**

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

---

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

Owner \*      Repository name \*


 DarksAces      /      mi-primer-repo


✓ mi-primer-repo is available.

Great repository names are short and memorable. Need inspiration? How about [curly-parakeet](#) ?

Description (optional)

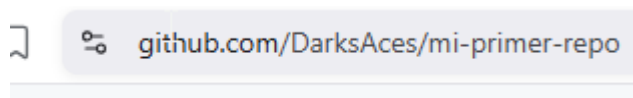
---

☒  **Public**  
Anyone on the internet can see this repository. You choose who can commit.

☐  **Private**  
You choose who can see and commit to this repository.

### Clonar el repositorio en tu máquina local

Copiamos la url del repositorio



github.com/DarksAces/mi-primer-repo

Y en terminal ponemos: `git clone https://github.com/DarksAces/mi-primer-repo`

```
D:\OneDrive - Centre d'Estudis Monlau\mi-primer-repo>git clone https://github.com/DarksAces/mi-primer-repo
Cloning into 'mi-primer-repo'...
warning: You appear to have cloned an empty repository.
```

## Parte 3: Trabajando con Ramas en Git

### Crear una nueva rama



Ahora debemos crear una rama llamada nueva-funcionalidad para esto debemos usar el comando `git checkout -b nueva-funcionalidad`

```
D:\OneDrive - Centre d'Estudis Monlau\mi-primer-repo>git checkout -b nueva-funcionalidad
Switched to a new branch 'nueva-funcionalidad'

D:\OneDrive - Centre d'Estudis Monlau\mi-primer-repo>
```

### Hacer cambios en el repositorio

Ahora para los cambios vamos a crear un archivo al repositorio para esto vamos a crear un `.txt` que lo llamaremos por ejemplo `ReadMe` para esto en consola escribimos `git add ReadMe.txt`

 ReadMe  04/04/2025 12:15 Documento de tex... 0 KB

```
D:\OneDrive - Centre d'Estudis Monlau\mi-primer-repo>git add ReadMe.txt
```

### Realizar un commit

Registra los cambios con un commit: `git commit -m "Añadir archivo.txt con saludo"`

```
D:\OneDrive - Centre d'Estudis Monlau\mi-primer-repo>git commit -m "Añadir ReadMe.txt con saludo"
[nueva-funcionalidad (root-commit) 2be2ad0] Añadir ReadMe.txt con saludo
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 ReadMe.txt

D:\OneDrive - Centre d'Estudis Monlau\mi-primer-repo>
```

## Parte 4: Subir los Cambios a GitHub

### Subir la rama a GitHub

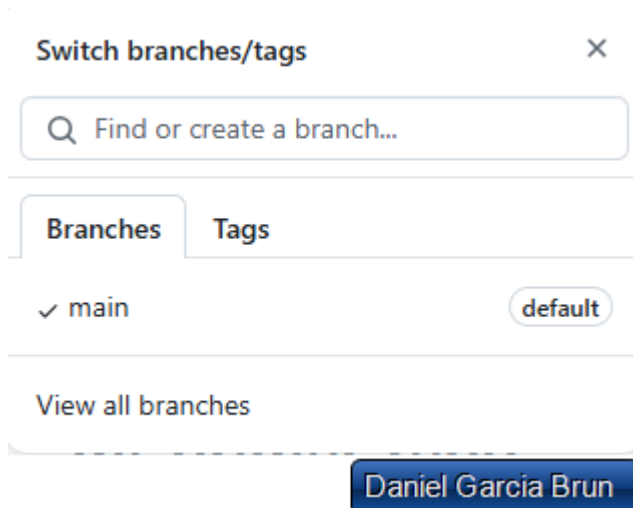
Sube la rama “nueva-funcionalidad” a GitHub: `git push origin nueva-funcionalidad`

```
D:\OneDrive - Centre d'Estudis Monlau\mi-primer-repo>git push Reoositorio-prueba nueva-funcionalidad
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 231 bytes | 231.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To Reoositorio-prueba
```

## Parte 5: Pull Request en GitHub

### Crear un Pull Request

Ve a tu repositorio en GitHub y verás un mensaje para crear un pull request (PR) de la rama “nueva-funcionalidad” a la rama “main”



Creemos una nueva rama con lo que trabajar

```
D:\OneDrive - Centre d'Estudis Monlau\mi-primer-repo>git checkout -b Daniel
Switched to a new branch 'Daniel'

D:\OneDrive - Centre d'Estudis Monlau\mi-primer-repo>
```

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Y subimos archivos como se puede ver aun no esta subido a git y nos dice que es lo que ha sido modificado

```
D:\OneDrive - Centre d'Estudis Monlau\mi-primer-repo>git status
On branch Daniel2
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:   ReadMe.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        ReadMe - copia.txt
        demo-DGB/
        mi-primer-repo/

no changes added to commit (use "git add" and/or "git commit -a")
D:\OneDrive - Centre d'Estudis Monlau\mi-primer-repo>
```

Ahora le decimos que archivo queremos añadir

```
D:\OneDrive - Centre d'Estudis Monlau\GitRepositorios\Programacion\SpringBootExample>git add .
warning: in the working copy of 'demo-DGB/.gitattributes', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'demo-DGB/.gitignore', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'demo-DGB/.mvn/wrapper/maven-wrapper.properties', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'demo-DGB/mvnw.cmd', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'demo-DGB/pom.xml', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'demo-DGB/src/main/java/com/example/demo_DGB/DemoDgbApplication.java', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'demo-DGB/src/main/resources/data.sql', LF will be replaced by CRLF the next time Git touches it
warning: in the working copy of 'demo-DGB/src/test/java/com/example/demo_DGB/DemoDgbApplicationTests.java', LF will be replaced by CRLF the next time Git touches it
```

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Ahora comprobamos que se a subido

```
D:\OneDrive - Centre d'Estudis Monlau\mi-primer-repo>git status
On branch Daniel2
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   README - copia.txt
    new file:   demo-DGB/.gitattributes
    new file:   demo-DGB/.gitignore
    new file:   demo-DGB/.mvn/wrapper/maven-wrapper.properties
    new file:   demo-DGB/mvnw
    new file:   demo-DGB/mvnw.cmd
    new file:   demo-DGB/pom.xml
    new file:   demo-DGB/src/main/java/com/example/demo_DGB/DemoDgbApplication.java
    new file:   demo-DGB/src/main/java/com/example/demo_DGB/Service/CategoryService.java
    new file:   demo-DGB/src/main/java/com/example/demo_DGB/Service/ProductService.java
    new file:   demo-DGB/src/main/java/com/example/demo_DGB/controller/ProductController.java
    new file:   demo-DGB/src/main/java/com/example/demo_DGB/controller/categoryController.java
    new file:   demo-DGB/src/main/java/com/example/demo_DGB/dto/categoryDTO.java
    new file:   demo-DGB/src/main/java/com/example/demo_DGB/dto/productCreateDTO.java
    new file:   demo-DGB/src/main/java/com/example/demo_DGB/dto/productDTO.java
    new file:   demo-DGB/src/main/java/com/example/demo_DGB/model/category.java
    new file:   demo-DGB/src/main/java/com/example/demo_DGB/model/product.java
    new file:   demo-DGB/src/main/java/com/example/demo_DGB/repository/CategoryRepository.java
    new file:   demo-DGB/src/main/java/com/example/demo_DGB/repository/ProductRepository.java
    new file:   demo-DGB/src/main/resources/data.sql
    new file:   demo-DGB/src/test/java/com/example/demo_DGB/DemoDgbApplicationTests.java
```

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Le subimos los cambios

```
D:\OneDrive - Centre d'Estudis Monlau\GitRepositorios\Programacion\SpringBootExample>git commit -m "prueba"
[main c2a5607] prueba
20 files changed, 1097 insertions(+)
create mode 100644 demo-DGB/.gitattributes
create mode 100644 demo-DGB/.gitignore
create mode 100644 demo-DGB/.mvn/wrapper/maven-wrapper.properties
create mode 100644 demo-DGB/mvnw
create mode 100644 demo-DGB/mvnw.cmd
create mode 100644 demo-DGB/pom.xml
create mode 100644 demo-DGB/src/main/java/com/example/demo_DGB/DemoDgbApplication.java
create mode 100644 demo-DGB/src/main/java/com/example/demo_DGB/Service/CategoryService.java
create mode 100644 demo-DGB/src/main/java/com/example/demo_DGB/Service/ProductService.java
create mode 100644 demo-DGB/src/main/java/com/example/demo_DGB/controller/ProductController.java
create mode 100644 demo-DGB/src/main/java/com/example/demo_DGB/controller/categoryController.java
create mode 100644 demo-DGB/src/main/java/com/example/demo_DGB/dto/categoryDTO.java
create mode 100644 demo-DGB/src/main/java/com/example/demo_DGB/dto/productCreateDTO.java
create mode 100644 demo-DGB/src/main/java/com/example/demo_DGB/dto/productDTO.java
create mode 100644 demo-DGB/src/main/java/com/example/demo_DGB/model/category.java
create mode 100644 demo-DGB/src/main/java/com/example/demo_DGB/model/product.java
create mode 100644 demo-DGB/src/main/java/com/example/demo_DGB/repository/CategoryRepository.java
create mode 100644 demo-DGB/src/main/java/com/example/demo_DGB/repository/ProductRepository.java
create mode 100644 demo-DGB/src/main/resources/data.sql
create mode 100644 demo-DGB/src/test/java/com/example/demo_DGB/DemoDgbApplicationTests.java
```





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```
D:\OneDrive - Centre d'Estudis Monlau\mi-primer-repo>git push mi-primer-repo Daniel2
Enumerating objects: 44, done.
Counting objects: 100% (44/44), done.
Delta compression using up to 8 threads
Compressing objects: 100% (32/32), done.
Writing objects: 100% (43/43), 14.17 KiB | 426.00 KiB/s, done.
Total 43 (delta 5), reused 0 (delta 0), pack-reused 0 (from 0)
To mi-primer-repo
 * [new branch]      Daniel2 -> Daniel2

D:\OneDrive - Centre d'Estudis Monlau\mi-primer-repo>
```

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Y ahora ya lo tenemos subido

 Leinad333 prueba		c2a5607 · 2 minutes ago	 2 Commits
 demo-DGB	prueba	2 minutes ago	
 README.md	Initial commit	4 hours ago	

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