

## Práctica 4 Enrique J.G.

# HOJA DE RESULTADOS

### **Git-Bash**

### **3 - inicialización**

```
$ git init
Initialized empty Git repository in
C:/Users/enriq/Documents/0Uni/MAP/Practica4/Grupo17/.git/
```

---

```
enriq@DESKTOP-RND6JMV MINGW64 ~/Documents/0Uni/MAP/Practica4/Grupo17 (master)
$ git config user.name "Enrique Juan Gamboa"
```

```
enriq@DESKTOP-RND6JMV MINGW64 ~/Documents/0Uni/MAP/Practica4/Grupo17 (master)
$ git config user.email enrijuan@ucm.es
```

---

```
enriq@DESKTOP-RND6JMV MINGW64 ~/Documents/0Uni/MAP/Practica4/Grupo17 (master)
$ git status
On branch master
```

No commits yet

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

```
Coor.cs
Ppal.cs
Tablero.cs
obj/
prac2.csproj
prac2.sln
```

nothing added to commit but untracked files present (use "git add" to track)

---

```
enriq@DESKTOP-RND6JMV MINGW64 ~/Documents/0Uni/MAP/Practica4/Grupo17 (master)
$ git add
Nothing specified, nothing added.
hint: Maybe you wanted to say 'git add .'
hint: Turn this message off by running
hint: "git config advice.addEmptyPaths false"
```

```
enriq@DESKTOP-RND6JMV MINGW64 ~/Documents/0Uni/MAP/Practica4/Grupo17 (master)
$ git add .
warning: LF will be replaced by CRLF in Coor.cs.
The file will have its original line endings in your working directory
```

```
enriq@DESKTOP-RND6JMV MINGW64 ~/Documents/0Uni/MAP/Practica4/Grupo17 (master)
$ git status
On branch master
```

No commits yet

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

```
new file:   Coor.cs
new file:   Ppal.cs
new file:   Tablero.cs
new file:   obj/Debug/netcoreapp3.1/.NETCoreApp,Version=v3.1.AssemblyAttributes.cs
```

```
new file:   obj/Debug/netcoreapp3.1/prac2.AssemblyInfo.cs
new file:   obj/Debug/netcoreapp3.1/prac2.AssemblyInfoInputs.cache
new file:   obj/Debug/netcoreapp3.1/prac2.assets.cache
new file:   obj/Debug/netcoreapp3.1/prac2.csprojAssemblyReference.cache
new file:   obj/prac2.csproj.nuget.dgspec.json
new file:   obj/prac2.csproj.nuget.g.props
new file:   obj/prac2.csproj.nuget.g.targets
new file:   obj/project.assets.json
new file:   obj/project.nuget.cache
new file:   prac2.csproj
new file:   prac2.sln
```

---

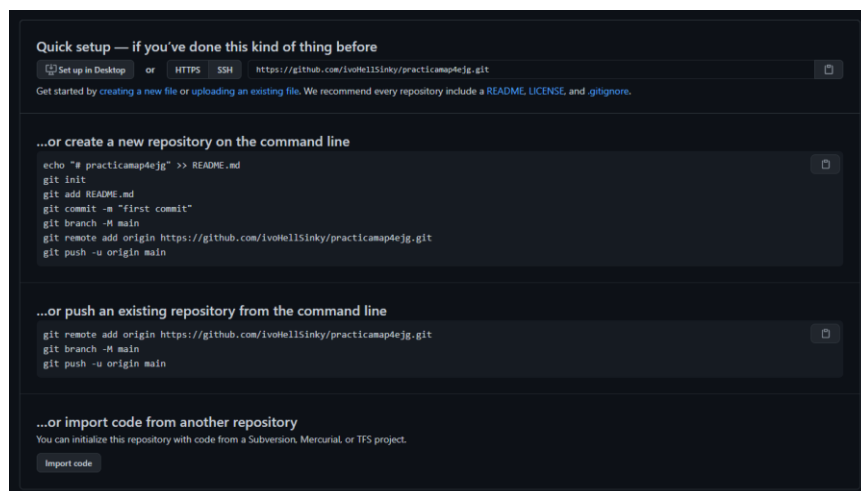
```
enriq@DESKTOP-RND6JMV MINGW64 ~/Documents/0Uni/MAP/Practica4/Grupo17 (master)
$ git commit -m "archivos iniciales pal repositorio"
[master (root-commit) f81b47d] archivos iniciales pal repositorio
15 files changed, 294 insertions(+)
create mode 100644 Coor.cs
create mode 100644 Ppal.cs
create mode 100644 Tablero.cs
create mode 100644
obj/Debug/netcoreapp3.1/.NETCoreApp,Version=v3.1.AssemblyAttributes.cs
create mode 100644 obj/Debug/netcoreapp3.1/prac2.AssemblyInfo.cs
create mode 100644 obj/Debug/netcoreapp3.1/prac2.AssemblyInfoInputs.cache
create mode 100644 obj/Debug/netcoreapp3.1/prac2.assets.cache
create mode 100644 obj/Debug/netcoreapp3.1/prac2.csprojAssemblyReference.cache
create mode 100644 obj/prac2.csproj.nuget.dgspec.json
create mode 100644 obj/prac2.csproj.nuget.g.props
create mode 100644 obj/prac2.csproj.nuget.g.targets
create mode 100644 obj/project.assets.json
create mode 100644 obj/project.nuget.cache
create mode 100644 prac2.csproj
create mode 100644 prac2.sln
```

---

```
enriq@DESKTOP-RND6JMV MINGW64 ~/Documents/0Uni/MAP/Practica4/Grupo17 (master)
$ git commit -m "añadido el gitignore"
[master 22fcf90] añadido el gitignore
1 file changed, 370 insertions(+)
create mode 100644 .gitignore
```

---

## 4 – repositorio remoto



---

```
enriq@DESKTOP-RND6JMV MINGW64 ~/Documents/0Uni/MAP/Practica4/Grupo17 (master)
$ git remote add origin https://github.com/ivoHellsinky/practicamap4ejg.git

enriq@DESKTOP-RND6JMV MINGW64 ~/Documents/0Uni/MAP/Practica4/Grupo17 (master)
$ git push -u origin master
Enumerating objects: 23, done.
Counting objects: 100% (23/23), done.
Delta compression using up to 4 threads
Compressing objects: 100% (21/21), done.
Writing objects: 100% (23/23), 8.04 KiB | 823.00 KiB/s, done.
Total 23 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), done.
remote:
remote: Create a pull request for 'master' on GitHub by visiting:
remote:   https://github.com/ivoHellsinky/practicamap4ejg/pull/new/master
remote:
To https://github.com/ivoHellsinky/practicamap4ejg.git
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
```

---

## 5 - Clonación

*La clonación iba dirigida al estudiante B para tener la práctica.*

---

### 6.1 – gestión de cambios

```
enriq@DESKTOP-RND6JMV MINGW64 ~/Documents/0Uni/MAP/Practica4/Grupo17 (master)
$ git commit -m "añadido un readme"
On branch master
Your branch is up to date with 'origin/master'.

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

enriq@DESKTOP-RND6JMV MINGW64 ~/Documents/0Uni/MAP/Practica4/Grupo17 (master)
$ git add README.txt

enriq@DESKTOP-RND6JMV MINGW64 ~/Documents/0Uni/MAP/Practica4/Grupo17 (master)
$ git commit -m "añadido un readme"
[master 9929a64] añadido un readme
1 file changed, 3 insertions(+)
create mode 100644 README.txt

enriq@DESKTOP-RND6JMV MINGW64 ~/Documents/0Uni/MAP/Practica4/Grupo17 (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

enriq@DESKTOP-RND6JMV MINGW64 ~/Documents/0Uni/MAP/Practica4/Grupo17 (master)
$ git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 357 bytes | 357.00 KiB/s, done.
```

```
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/ivoHellsinky/practicamap4ejg.git
22fcf90..9929a64 master -> master
```

---

## 6.2 - logs

```
enriq@DESKTOP-RND6JMV MINGW64 ~/Documents/0Uni/MAP/Practica4/Grupo17 (master)
$ git log
commit 9929a643e62c8069c21b07386c250ee9ec414a1a (HEAD -> master, origin/master)
Author: Enrique Juan Gamboa <enrijuan@ucm.es>
Date: Thu Apr 22 17:44:33 2021 +0200

    añadido un readme

commit 22fcf906e32246bd7a83d5b1c64b897b0cc463d4
Author: Enrique Juan <enrijuan@ucm.es>
Date: Thu Apr 22 17:33:02 2021 +0200

    añadido el gitignore

commit f81b47d4a85c094b2943c692043104335f421166
Author: Enrique Juan <enrijuan@ucm.es>
Date: Mon Apr 12 11:30:35 2021 +0200

    archivos iniciales pal repositorio

enriq@DESKTOP-RND6JMV MINGW64 ~/Documents/0Uni/MAP/Practica4/Grupo17 (master)
$ git log -pretty=oneline
fatal: unrecognized argument: -pretty=oneline

enriq@DESKTOP-RND6JMV MINGW64 ~/Documents/0Uni/MAP/Practica4/Grupo17 (master)
$ git log --pretty=oneline
9929a643e62c8069c21b07386c250ee9ec414a1a (HEAD -> master, origin/master) añadido un
readme
22fcf906e32246bd7a83d5b1c64b897b0cc463d4 añadido el gitignore
f81b47d4a85c094b2943c692043104335f421166 archivos iniciales pal repositorio

enriq@DESKTOP-RND6JMV MINGW64 ~/Documents/0Uni/MAP/Practica4/Grupo17 (master)
$ git log --pretty=format:"%h %ad | %s%d [%an]" --graph --date=short --all
fatal: ambiguous argument '--all': unknown revision or path not in the working tree.
Use '--' to separate paths from revisions, like this:
'git <command> [<revision>...] -- [<file>...]'
```

---

## 7.1/7.2 – gestión de ramas

```
enriq@DESKTOP-RND6JMV MINGW64 /d/Docs/0Uni/MAP/Practica4/Grupo17 (master)
$ git branch addColor

enriq@DESKTOP-RND6JMV MINGW64 /d/Docs/0Uni/MAP/Practica4/Grupo17 (master)
$ git switch
fatal: missing branch or commit argument

enriq@DESKTOP-RND6JMV MINGW64 /d/Docs/0Uni/MAP/Practica4/Grupo17 (master)
$ git switch addColor
Switched to branch 'addColor'

enriq@DESKTOP-RND6JMV MINGW64 /d/Docs/0Uni/MAP/Practica4/Grupo17 (addColor)
$ git branch
* addColor
  delete
  help
```

master

```
enriq@DESKTOP-RND6JMV MINGW64 /d/Docs/0Uni/MAP/Practica4/Grupo17 (addColor)
$
```

---

```
enriq@DESKTOP-RND6JMV MINGW64 /d/Docs/0Uni/MAP/Practica4/Grupo17 (addColor)
$ git add Codigo_relleno_para_branch.cs
```

```
enriq@DESKTOP-RND6JMV MINGW64 /d/Docs/0Uni/MAP/Practica4/Grupo17 (addColor)
$ git status
On branch addColor
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   Codigo_relleno_para_branch.cs
```

```
enriq@DESKTOP-RND6JMV MINGW64 /d/Docs/0Uni/MAP/Practica4/Grupo17 (addColor)
$ git commit -m "Añadido un nuevo código para el color"
[addColor 7641e32] Añadido un nuevo código para el color
1 file changed, 9 insertions(+)
create mode 100644 Codigo_relleno_para_branch.cs
```

```
enriq@DESKTOP-RND6JMV MINGW64 /d/Docs/0Uni/MAP/Practica4/Grupo17 (addColor)
$ git log
commit 7641e328147aa7acb553dc106f36a62a9652740e (HEAD -> addColor)
Author: Enrique Juan Gamboa <enrijuan@ucm.es>
Date:   Sun Apr 25 17:43:36 2021 +0200
```

Añadido un nuevo código para el color

```
commit 9929a643e62c8069c21b07386c250ee9ec414a1a (origin/master, master, help, delete)
Author: Enrique Juan Gamboa <enrijuan@ucm.es>
Date:   Thu Apr 22 17:44:33 2021 +0200
```

añadido un readme

```
commit 22fcf906e32246bd7a83d5b1c64b897b0cc463d4
Author: Enrique Juan <enrijuan@ucm.es>
Date:   Thu Apr 22 17:33:02 2021 +0200
```

añadido el gitignore

```
commit f81b47d4a85c094b2943c692043104335f421166
Author: Enrique Juan <enrijuan@ucm.es>
Date:   Mon Apr 12 11:30:35 2021 +0200
```

archivos iniciales pal repositorio

---

```
enriq@DESKTOP-RND6JMV MINGW64 /d/Docs/0Uni/MAP/Practica4/Grupo17 (addColor)
$ git switch master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
```

```
enriq@DESKTOP-RND6JMV MINGW64 /d/Docs/0Uni/MAP/Practica4/Grupo17 (master)
$ git branch
  addColor
  delete
  help
* master
```

```
enriq@DESKTOP-RND6JMV MINGW64 /d/Docs/0Uni/MAP/Practica4/Grupo17 (master)
$ git status
On branch master
Your branch is up to date with 'origin/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: Readme.txt

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

```
enriq@DESKTOP-RND6JMV MINGW64 /d/Docs/0Uni/MAP/Practica4/Grupo17 (master)
$ git add Readme.txt
```

```
enriq@DESKTOP-RND6JMV MINGW64 /d/Docs/0Uni/MAP/Practica4/Grupo17 (master)
$ git commit -m "modificado el readme"
[master 87238a9] modificado el readme
1 file changed, 4 insertions(+), 1 deletion(-)
```

```
enriq@DESKTOP-RND6JMV MINGW64 /d/Docs/0Uni/MAP/Practica4/Grupo17 (master)
$ git log
commit 87238a91b7ec022ed52c08c63c5250c576baa2f3 (HEAD -> master)
Author: Enrique Juan Gamboa <enrijuan@ucm.es>
Date: Sun Apr 25 17:47:08 2021 +0200
```

modificado el readme

```
commit 9929a643e62c8069c21b07386c250ee9ec414a1a (origin/master, help, delete)
Author: Enrique Juan Gamboa <enrijuan@ucm.es>
Date: Thu Apr 22 17:44:33 2021 +0200
```

añadido un readme

```
commit 22fcf906e32246bd7a83d5b1c64b897b0cc463d4
Author: Enrique Juan <enrijuan@ucm.es>
Date: Thu Apr 22 17:33:02 2021 +0200
```


añadido el gitignore

```
commit f81b47d4a85c094b2943c692043104335f421166
Author: Enrique Juan <enrijuan@ucm.es>
Date: Mon Apr 12 11:30:35 2021 +0200
```

archivos iniciales pal repositorio

- Veo que ahora aparece HEAD -> master, así que supongo que me está indicando que la modificación ha sido en la "cabeza" del proyecto.

Name	Date modified	Type	Size
.git	4/25/2021 17:47	File folder	
.vs	4/24/2021 11:48	File folder	
bin	4/24/2021 11:48	File folder	
obj	4/24/2021 11:48	File folder	
.gitignore	4/12/2021 18:03	Text Document	7 KB
Coor.cs	4/12/2021 09:40	Visual C# Source F...	1 KB
Ppal.cs	4/12/2021 09:40	Visual C# Source F...	1 KB
prac2.csproj	4/12/2021 09:05	Visual C# Project ...	1 KB
prac2.sln	4/12/2021 09:05	Visual Studio Solu...	2 KB
Readme.txt	4/25/2021 17:46	Text Document	1 KB
Tablero.cs	4/12/2021 09:40	Visual C# Source F...	2 KB



```
enriq@DESKTOP-RND6JMV MINGW64 /d/Docs/0Uni/MAP/Practica4/Grupo17 (master)
$ git switch addColor
Switched to branch 'addColor'
```

Name	Date modified	Type	Size
.git	4/25/2021 17:51	File folder	
.vs	4/24/2021 11:48	File folder	
bin	4/24/2021 11:48	File folder	
obj	4/24/2021 11:48	File folder	
.gitignore	4/12/2021 18:03	Text Document	7 KB
Codigo_relleno_para_branch.cs	4/25/2021 17:51	Visual C# Source F...	1 KB
Coord.cs	4/12/2021 09:40	Visual C# Source F...	1 KB
Ppal.cs	4/12/2021 09:40	Visual C# Source F...	1 KB
prac2.csproj	4/12/2021 09:05	Visual C# Project ...	1 KB
prac2.sln	4/12/2021 09:05	Visual Studio Solu...	2 KB
Readme.txt	4/25/2021 17:51	Text Document	1 KB
Tablero.cs	4/12/2021 09:40	Visual C# Source F...	2 KB

- El archivo Readme.txt también aparece cambiado

```
enriq@DESKTOP-RND6JMV MINGW64 /d/Docs/0Uni/MAP/Practica4/Grupo17 (addColor)
$ git switch master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 1 commit.
(use "git push" to publish your local commits)
```

```
enriq@DESKTOP-RND6JMV MINGW64 /d/Docs/0Uni/MAP/Practica4/Grupo17 (master)
$ git merge
Already up to date.
```

```
enriq@DESKTOP-RND6JMV MINGW64 /d/Docs/0Uni/MAP/Practica4/Grupo17 (master)
$ git merge addColor -m "Añadiendo los cambios de color en la rama ppal"
Merge made by the 'recursive' strategy.
Codigo_relleno_para_branch.cs | 9 ++++++++
1 file changed, 9 insertions(+)
create mode 100644 Codigo_relleno_para_branch.cs
```

```
enriq@DESKTOP-RND6JMV MINGW64 /d/Docs/0Uni/MAP/Practica4/Grupo17 (master)
$ git log
commit 5fa80bbde1836bd1e46be1310f0eb2d19c40b973 (HEAD -> master)
Merge: 87238a9 7641e32
Author: Enrique Juan Gamboa <enrijuan@ucm.es>
Date: Sun Apr 25 17:54:17 2021 +0200
```

Añadiendo los cambios de color en la rama ppal

```
commit 87238a91b7ec022ed52c08c63c5250c576baa2f3
Author: Enrique Juan Gamboa <enrijuan@ucm.es>
Date: Sun Apr 25 17:47:08 2021 +0200
```

modificado el readme

```
commit 7641e328147aa7acb553dc106f36a62a9652740e (addColor)
Author: Enrique Juan Gamboa <enrijuan@ucm.es>
Date: Sun Apr 25 17:43:36 2021 +0200
```

Añadido un nuevo código para el color

```
commit 9929a643e62c8069c21b07386c250ee9ec414a1a (origin/master, help, delete)
Author: Enrique Juan Gamboa <enrijuan@ucm.es>
Date: Thu Apr 22 17:44:33 2021 +0200
```

```
enriq@DESKTOP-RND6JMV MINGW64 /d/Docs/0Uni/MAP/Practica4/Grupo17 (master)
$ git push
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 4 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (7/7), 858 bytes | 429.00 KiB/s, done.
Total 7 (delta 4), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (4/4), completed with 1 local object.
To https://github.com/ivoHellsinky/practicamap4ejg.git
9929a64..5fa80bb master -> master
```

- *Por lo que veo en el log, se han unido las dos ramas y sus características se han fusionado*

---

### 7.3 - tags

```
enriq@DESKTOP-RND6JMV MINGW64 /d/Docs/0Uni/MAP/Practica4/Grupo17 (master)
$ git tag -a vobligatoria -m "Versión con la parte obligatoria de la práctica"
```

```
enriq@DESKTOP-RND6JMV MINGW64 /d/Docs/0Uni/MAP/Practica4/Grupo17 (master)
$ git tag -a vobligatoria -m "Versión con la parte obligatoria de la práctica"
fatal: tag 'vobligatoria' already exists
```

```
enriq@DESKTOP-RND6JMV MINGW64 /d/Docs/0Uni/MAP/Practica4/Grupo17 (master)
$ git log
commit 5fa80bbde1836bd1e46be1310f0eb2d19c40b973 (HEAD -> master, tag: vobligatoria, origin/master)
Merge: 87238a9 7641e32
Author: Enrique Juan Gamboa <enrijuan@ucm.es>
Date: Sun Apr 25 17:54:17 2021 +0200
```

Añadiendo los cambios de color en la rama ppa1

```
commit 87238a91b7ec022ed52c08c63c5250c576baa2f3
Author: Enrique Juan Gamboa <enrijuan@ucm.es>
Date: Sun Apr 25 17:47:08 2021 +0200
```

modificado el readme

```
commit 7641e328147aa7acb553dc106f36a62a9652740e (addColor)
Author: Enrique Juan Gamboa <enrijuan@ucm.es>
Date: Sun Apr 25 17:43:36 2021 +0200
```

Añadido un nuevo código para el color

```
commit 9929a643e62c8069c21b07386c250ee9ec414a1a (help, delete)
Author: Enrique Juan Gamboa <enrijuan@ucm.es>
Date: Thu Apr 22 17:44:33 2021 +0200
```

```
enriq@DESKTOP-RND6JMV MINGW64 /d/Docs/0Uni/MAP/Practica4/Grupo17 (master)
$ git show v1.0
fatal: ambiguous argument 'v1.0': unknown revision or path not in the working tree.
Use '--' to separate paths from revisions, like this:
'git <command> [<revision>...] -- [<file>...]'
```

```
enriq@DESKTOP-RND6JMV MINGW64 /d/Docs/0Uni/MAP/Practica4/Grupo17 (master)
$ git show
commit 5fa80bbde1836bd1e46be1310f0eb2d19c40b973 (HEAD -> master, tag: vobligatoria, origin/master)
Merge: 87238a9 7641e32
```



Author: Enrique Juan Gamboa <enrijuan@ucm.es>  
Date: Sun Apr 25 17:54:17 2021 +0200

Añadiendo los cambios de color en la rama ppal

---

## **8 - Git-Bash vs Git-GUI**

Antes de esta práctica llevaba usando un par de meses ya el Git-GUI, lo que implica que mi opinión seguramente esté condicionada, pero he de decir que repetir todo este proceso con el GUI ha sido muchísimo más rápido y sencillo.

A la hora de los update, nunca me ha hecho falta hacer uno porque el GUI me lo indicaba automáticamente. Los logs son mucho más bonitos y estructurados, son lo que el *git log --pretty* intenta ser. Te escanea si algo está desactualizado con tan sólo presionar un botón en vez de reescribir todo el comando otra vez porque se te escapó una “ç” al pulsar Enter (me ha pasado más veces de las que me gustaría admitir), y el Commit y Push igual. Incluso puedes desconectarte, algo que no sabía que se podía hacer.

También es mucho mas atractivo para aquellos que la consola los intimida o simplemente quieren un programa que les permita sincronizar su trabajo con sus compañeros sin tener que armar mucho lío ni acordarse de los comandos, ya que he tenido que reempezar la práctica más de una vez porque hice comandos en orden diferente desde el Git-Bash cuando en Git-GUI te avisa de lo que estás haciendo.

En conclusión, me parece mucho más sencillo e intuitivo el Git-GUI, y seguramente haya más programas del estilo que son mucho más fáciles de usar para aquellos que, como yo, tienen memoria de pez y siempre se les escapa alguna letra al escribir comandos.