

Práctica 1 - Programación de Aplicaciones Telemáticas: Plataforma Github & Git

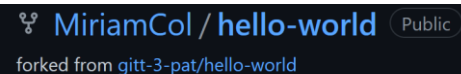
Versión 17 de java:

```
PS C:\Users\miria> java -version
java version "17.0.1" 2021-10-19 LTS
Java(TM) SE Runtime Environment (build 17.0.1+12-LTS-39)
Java HotSpot(TM) 64-Bit Server VM (build 17.0.1+12-LTS-39, mixed mode, sharing)
```

Versión Maven:

```
PS C:\Users\miria> mvn --version
Apache Maven 3.8.4 (9b656c72d54e5bacbed989b64718c159fe39b537)
Maven home: C:\Program Files\apache-maven-3.8.4
Java version: 11.0.12, vendor: Oracle Corporation, runtime: C:\Program Files\Java\jdk-11.0.12
Default locale: es_ES, platform encoding: Cp1252
OS name: "windows 10", version: "10.0", arch: "amd64", family: "windows"
```

Habiendo hecho *fork* sobre el repositorio hello-world, voy probando los comandos pedidos:

A screenshot of a GitHub repository page. It shows the repository name 'MiriamCol / hello-world' with a 'Public' badge. Below it, it says 'forked from gitt-3-pat/hello-world'.

1. git clone

```
PS C:\Users\miria> cd C:\Users\miria\Desktop\PAT2
PS C:\Users\miria\Desktop\PAT2> git clone https://github.com/MiriamCol/hello-world
Cloning into 'hello-world'...
remote: Enumerating objects: 38, done.
remote: Counting objects: 100% (38/38), done.
remote: Compressing objects: 100% (23/23), done.
remote: Total 38 (delta 1), reused 31 (delta 0), pack-reused 0R
Receiving objects: 100% (38/38), 58.97 KiB | 3.10 MiB/s, done.
Resolving deltas: 100% (1/1), done.
```

Con este comando he clonado ese repositorio en una carpeta de mi escritorio.

2. git status

```
PS C:\Users\miria\Desktop\PAT2> cd hello-world
PS C:\Users\miria\Desktop\PAT2\hello-world> git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
```

Usando este comando mostramos el estado del directorio y podemos ver los cambios (en este caso ninguno).

3. git add

```
PS C:\Users\miria\Desktop\PAT2\hello-world> git add README2.txt
PS C:\Users\miria\Desktop\PAT2\hello-world> git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   README2.txt
```

He añadido un README2 .txt en mi directorio y lo he comprobado con git status.


4. `git commit -m mensaje`

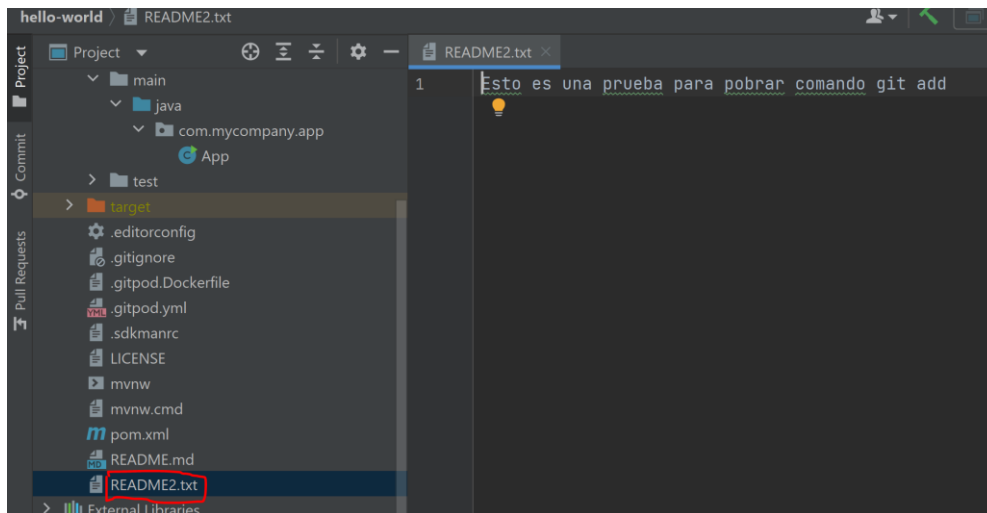
```
PS C:\Users\miria\Desktop\PAT2\hello-world> git commit -m pruebacomprobacion1
[main 7783be5] pruebacomprobacion1
1 file changed, 1 insertion(+)
create mode 100644 README2.txt
```

Guarda todos los cambios hechos (con `git add`) además de una descripción/mensaje del usuario.

5. `git push`

```
PS C:\Users\miria\Desktop\PAT2\hello-world> git push
info: please complete authentication in your browser...
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 339 bytes | 169.00 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/MiriamCol/hello-world
48fe276..7783be5 main -> main
```

| | | | |
|---|-------------------------------|------------------------|-------------|
|  | MiriamCol pruebacomprobacion1 | 7783be5 28 minutes ago | 🕒 4 commits |
| 📁 .github/workflows | Primera iteracion | last month | |
| 📁 .mvn/wrapper | Primera iteracion | last month | |
| 📁 src | Primera iteracion | last month | |
| 📄 .editorconfig | Primera iteracion | last month | |
| 📄 .gitignore | Primera iteracion | last month | |
| 📄 .gitpod.Dockerfile | Primera iteracion | last month | |
| 📄 .gitpod.yml | Primera iteracion | last month | |
| 📄 .sdkmanrc | Primera iteracion | last month | |
| 📄 LICENSE | Initial commit | last month | |
| 📄 README.md | Primera iteracion | last month | |
| 📄 README2.txt | pruebacomprobacion1 | 28 minutes ago | |
| 📄 mvnw | Primera iteracion | last month | |
| 📄 mvnw.cmd | Primera iteracion | last month | |

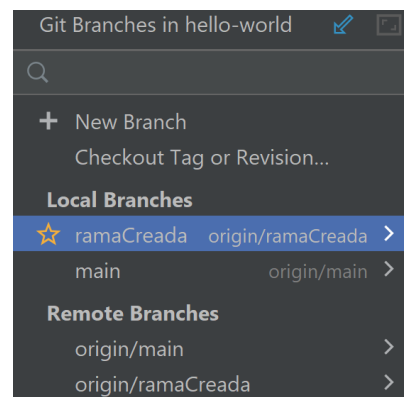
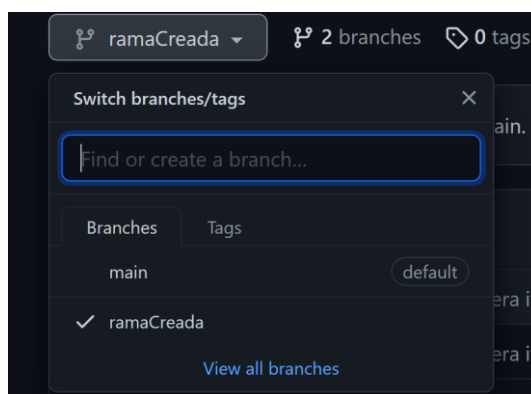


He comprobado en GitHub y en IntelliJ que se ha insertado correctamente el file. Por tanto, con este comando se suben los commits realizados al repositorio remoto.

6. `git checkout -b ramaCreada`

```
PS C:\Users\miria\Desktop\PAT2\hello-world> git checkout -b ramaCreada
Switched to a new branch 'ramaCreada'
```

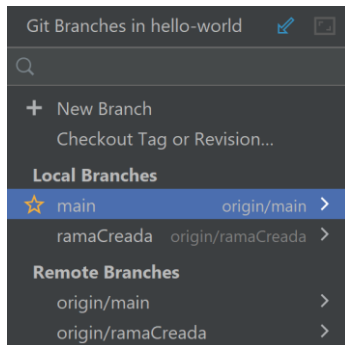
```
PS C:\Users\miria\Desktop\PAT2\hello-world> git push --set-upstream origin ramaCreada
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'ramaCreada' on GitHub by visiting:
remote:   https://github.com/MiriamCol/hello-world/pull/new/ramaCreada
remote:
To https://github.com/MiriamCol/hello-world
 * [new branch]      ramaCreada -> ramaCreada
Branch 'ramaCreada' set up to track remote branch 'ramaCreada' from 'origin'.
```



Comprobado que he creado una nueva rama llamada “ramaCreada” y estoy ahora en esa.

7. `git checkout main`

```
PS C:\Users\miria\Desktop\PAT2\hello-world> git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
```



Ahora estamos en la branch main (la default). Por tanto, checkout nos permite movernos entre nuestras ramas.

Comandos extra

8. `git branch`

```
PS C:\Users\miria\Desktop\PAT2\hello-world> git branch
main
* ramaCreada
```

Podemos ver con este comando un listado de nuestras ramas.

9. `git rm`

Añadí otro README al repositorio para poder eliminarlo con este comando

| | | | |
|---|-------------|---------------------|----------------|
|  | README2.txt | pruebacomprobacion1 | 8 days ago |
|  | README3.txt | pruebaEliminacion | 32 seconds ago |

```
PS C:\Users\miria\Desktop\PAT2\hello-world> git rm README3.txt
PS C:\Users\miria\Desktop\PAT2\hello-world> git commit -m eliminacion
[main 33ad47d] eliminacion
1 file changed, 1 deletion(-)
delete mode 100644 README3.txt
PS C:\Users\miria\Desktop\PAT2\hello-world> git push
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 240 bytes | 240.00 KiB/s, done.
Total 2 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/MiriamCol/hello-world
bfb2501..33ad47d main -> main
```

Y ya se nos ha eliminado correctamente.

10. git log

```
PS C:\Users\miria\Desktop\PAT2\hello-world> git log --no-merges --raw --since='2 weeks ago'
commit 33ad47df217f8615e0e2f88f7abf0a997361dd51 (HEAD -> main, origin/main, origin/HEAD)
Author: MiriamCol <91241154+MiriamCol@users.noreply.github.com>
Date:   Fri Jan 28 09:02:01 2022 +0100

    eliminacion

:100644 000000 4974437 0000000 D      README3.txt

commit bfb2501e3b6dd5ccbfdc526027c1b4d5b307cb36
Author: MiriamCol <91241154+MiriamCol@users.noreply.github.com>
Date:   Fri Jan 28 08:55:54 2022 +0100

    pruebaEliminacion

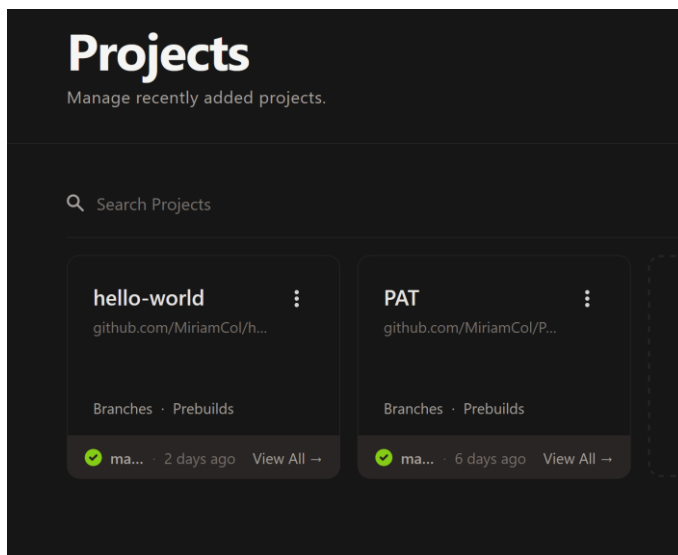
:000000 100644 0000000 4974437 A      README3.txt

commit 7783be5ed2b512400753d0527f76bcb86bc6a1f2 (origin/ramaCreada, ramaCreada)
Author: MiriamCol <91241154+MiriamCol@users.noreply.github.com>
Date:   Thu Jan 20 16:55:52 2022 +0100

    pruebaComprobacion1

:000000 100644 0000000 f936537 A      README2.txt
```

Vemos los cambios que hemos hecho en el tiempo que le indicamos (2 semanas en este caso).
Gitpod:



Link a mi GitHub: <https://github.com/MiriamCol/hello-world>

He añadido el pdf del informe al repositorio en la carpeta Resources.