

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

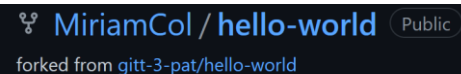
Versión 17 de java:

```
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
```

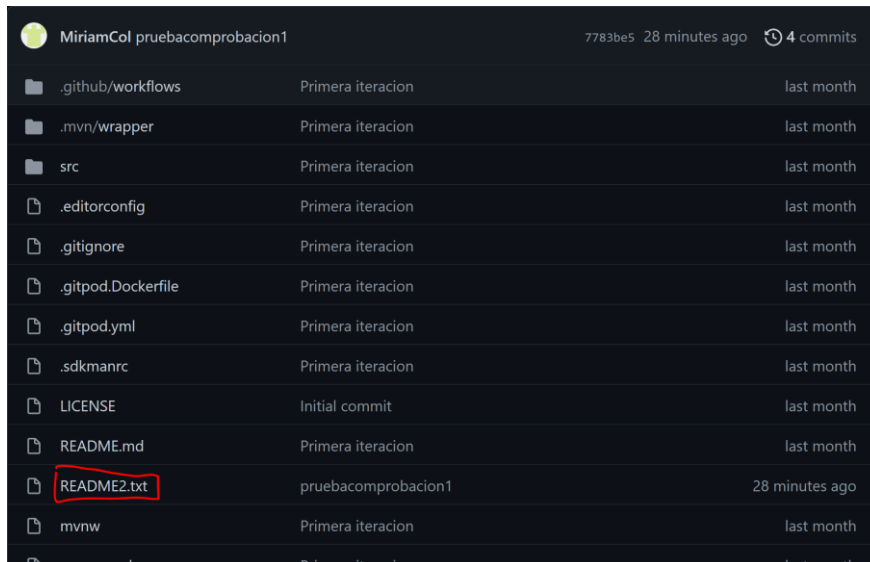
He añadido un README2 .txt en mi directorio y lo he comprobado con git status.

4. `git commit -m mensaje`

```
PS C:\Users\miria\Desktop\PAT2\hello-world> git commit -m prueba comprobacion1
[main 7783be5] prueba comprobacion1
1 file changed, 1 insertion(+)
create mode 100644 README2.txt
```

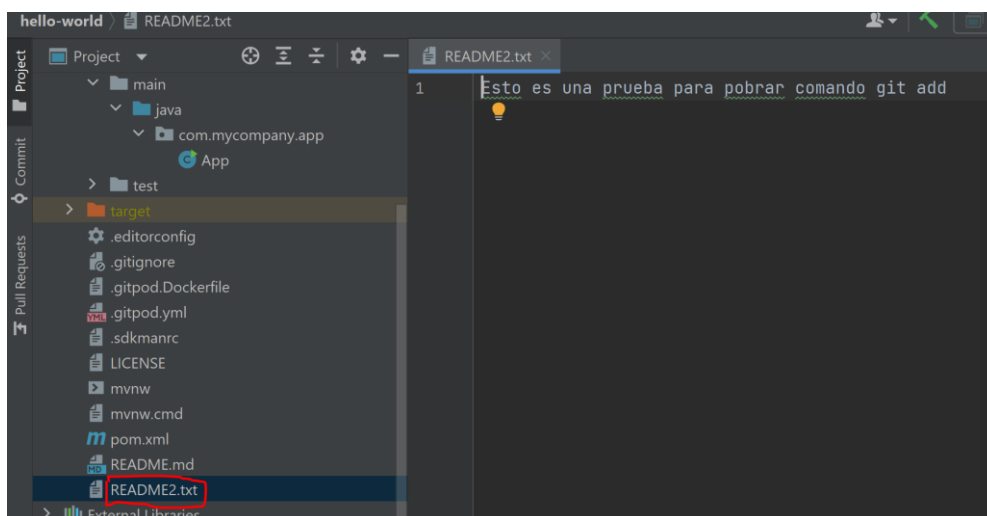
5. `git push`

```
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
```



The screenshot shows the GitHub repository interface for 'MiriamCol prueba comprobacion1'. The repository has 4 commits and was updated 28 minutes ago. A list of files is displayed, including .github/workflows, .mvn/wrapper, src, .editorconfig, .gitignore, .gitpod.Dockerfile, .gitpod.yml, .sdkmanrc, LICENSE, README.md, README2.txt, mvnw, and mvnw.cmd. The file 'README2.txt' is highlighted with a red box, indicating it is the latest commit.

File	Commit	Time
.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	prueba comprobacion1	28 minutes ago
mvnw	Primera iteracion	last month
mvnw.cmd	Primera iteracion	last month

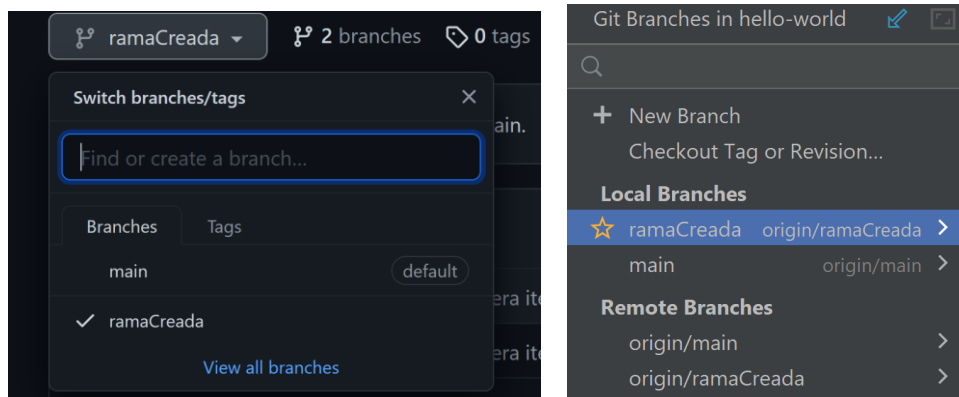


He comprobado en GitHub y en IntelliJ que se ha insertado correctamente el file.

6. `git checkout -b ramaCreada`

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

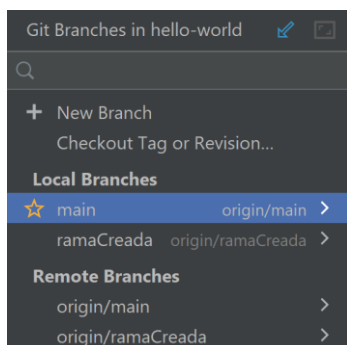
```
PS C:\Users\miria\Desktop\PAT2\hello-world> git push --set-upstream origin ramaCreada
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'ramaCreada' on GitHub by visiting:
remote:   https://github.com/MiriamCol/hello-world/pull/new/ramaCreada
remote:
To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

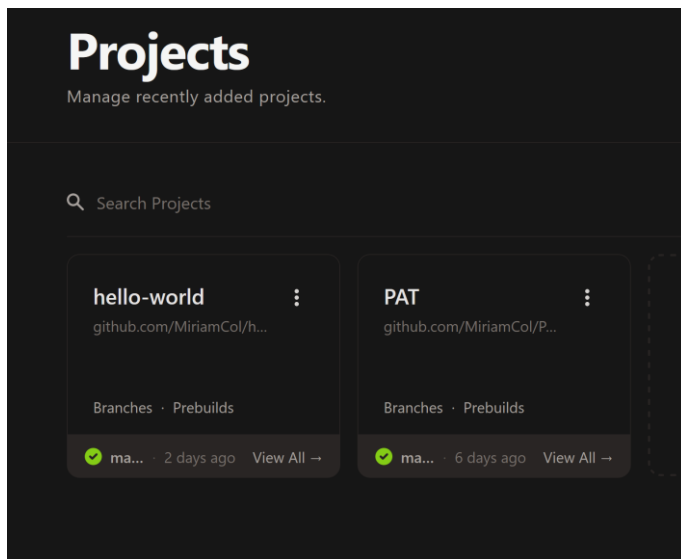
commit 7783be5ed2b512400753d0527f76bcb86bc6a1f2 (origin/ramaCreada, ramaCreada)
Author: MiriamCol <91241154+MiriamCol@users.noreply.github.com>
Date: Thu Jan 20 16:55:52 2022 +0100

    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.