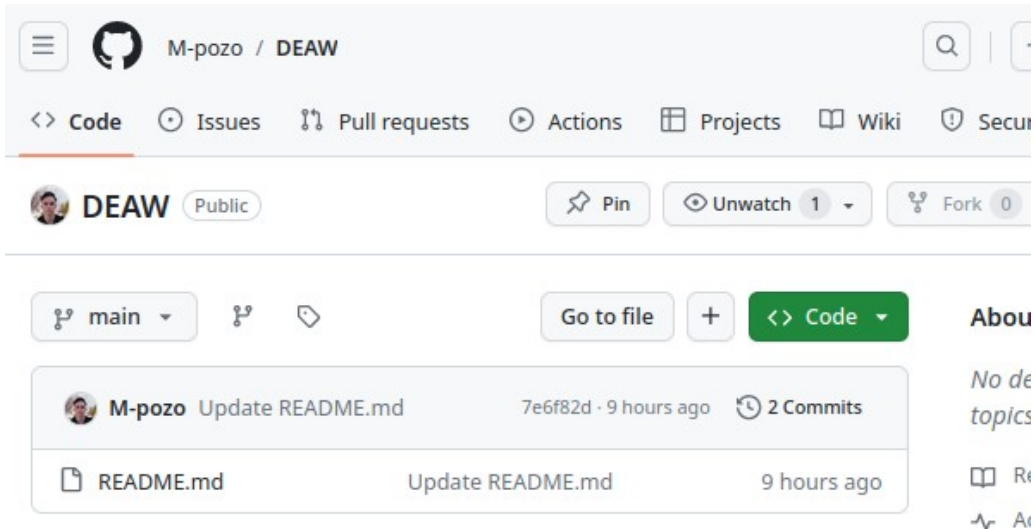

Práctica 5.1

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Repositorio DEAW

Creamos un repositorio



README

Creamos un documento README

```
[ec2-user@ip-172-31-22-16 practica4-1]$ echo "# Practica 4.1 DEAW" >> README.md
[ec2-user@ip-172-31-22-16 practica4-1]$ cat README.md
# Practica 4.1 DEAW
[ec2-user@ip-172-31-22-16 practica4-1]$
```

Commit inicial

```
[ec2-user@ip-172-31-22-16 practica4-1]$ git commit -m "Comenzamos con los ejercicios de Git"
[main (root-commit) db0e18d] Comenzamos con los ejercicios de Git
1 file changed, 1 insertion(+)
create mode 100644 README.md
[ec2-user@ip-172-31-22-16 practica4-1]$
```

Push inicial

```
[ec2-user@ip-172-31-22-16 practica4-1]$ git push -u origin main
Username for 'https://github.com': M-pozo
Password for 'https://M-pozo@github.com':
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 250 bytes | 250.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/M-pozo/DEAW.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
[ec2-user@ip-172-31-22-16 practica4-1]$
```

Ignorar archivos

Con .gitignore y escribiendo dentro los archivos o directorios pertinentes los ignora git

```
[ec2-user@ip-172-31-22-16 practica4-1]$ touch privado.txt
[ec2-user@ip-172-31-22-16 practica4-1]$ mkdir privada
[ec2-user@ip-172-31-22-16 practica4-1]$ ls
README.md  privada  privado.txt
[ec2-user@ip-172-31-22-16 practica4-1]$ nano .gitignore
[ec2-user@ip-172-31-22-16 practica4-1]$ cat .git
.git/
.gitignore
[ec2-user@ip-172-31-22-16 practica4-1]$ cat .git
.git/
.gitignore
[ec2-user@ip-172-31-22-16 practica4-1]$ cat .gitignore
privado.txt
privada/
[ec2-user@ip-172-31-22-16 practica4-1]$
```

Añadir fichero 1.txt

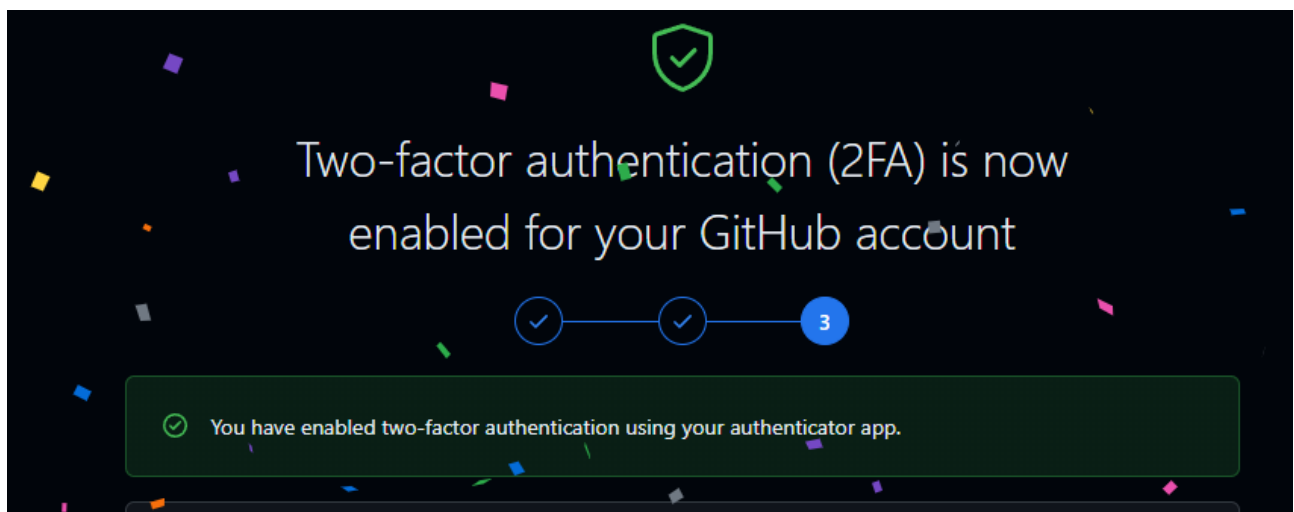
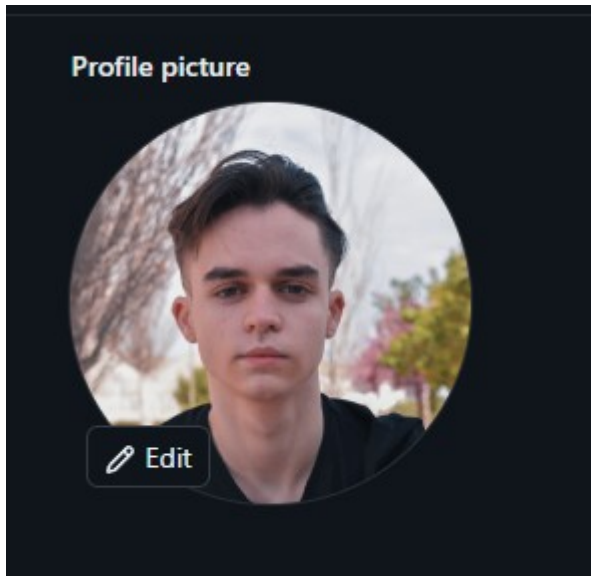
```
ec2-user@ip-172-31-22-16:~/practica4-1
[ec2-user@ip-172-31-22-16 practica4-1]$ touch 1.txt
[ec2-user@ip-172-31-22-16 practica4-1]$ git add .
[ec2-user@ip-172-31-22-16 practica4-1]$ git commit -m ""
Aborting commit due to empty commit message.
[ec2-user@ip-172-31-22-16 practica4-1]$ git commit -m "Create 1.txt"
[main bd4971f] Create 1.txt
2 files changed, 2 insertions(+)
create mode 100644 .gitignore
create mode 100644 1.txt
```

Crear y subir el tag v0.1

```
[ec2-user@ip-172-31-22-16 practica4-1]$ git tag -a v0.1 -m "Versión 0.1"
[ec2-user@ip-172-31-22-16 practica4-1]$ git push --tags
Username for 'https://github.com': M-pozo
Password for 'https://M-pozo@github.com':
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (5/5), 467 bytes | 467.00 KiB/s, done.
Total 5 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/M-pozo/DEAW.git
 * [new tag]          v0.1 -> v0.1
[ec2-user@ip-172-31-22-16 practica4-1]$
```

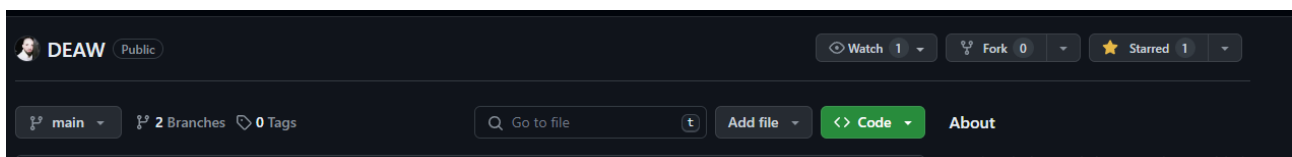
Cuenta de GitHub

Ponemos imagen de perfil y doble factor de autenticación.



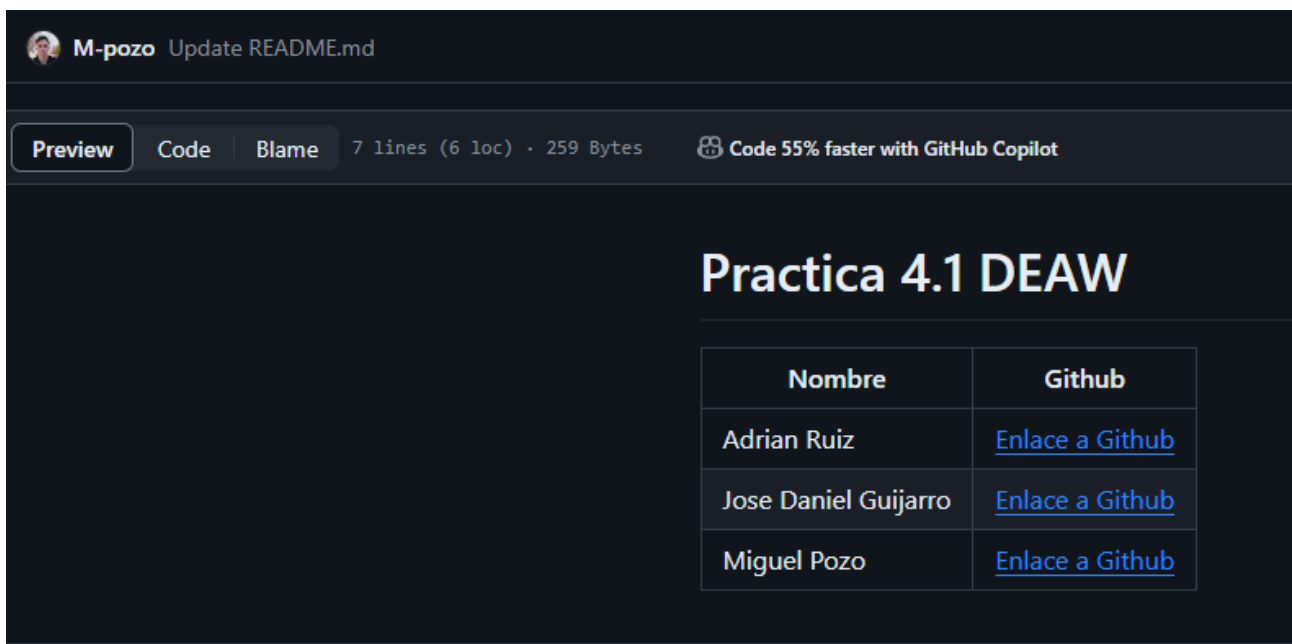
Uso social de GitHub

En el apartado social de GitHub podremos seguir a gente poner repositorios en favoritos etc...



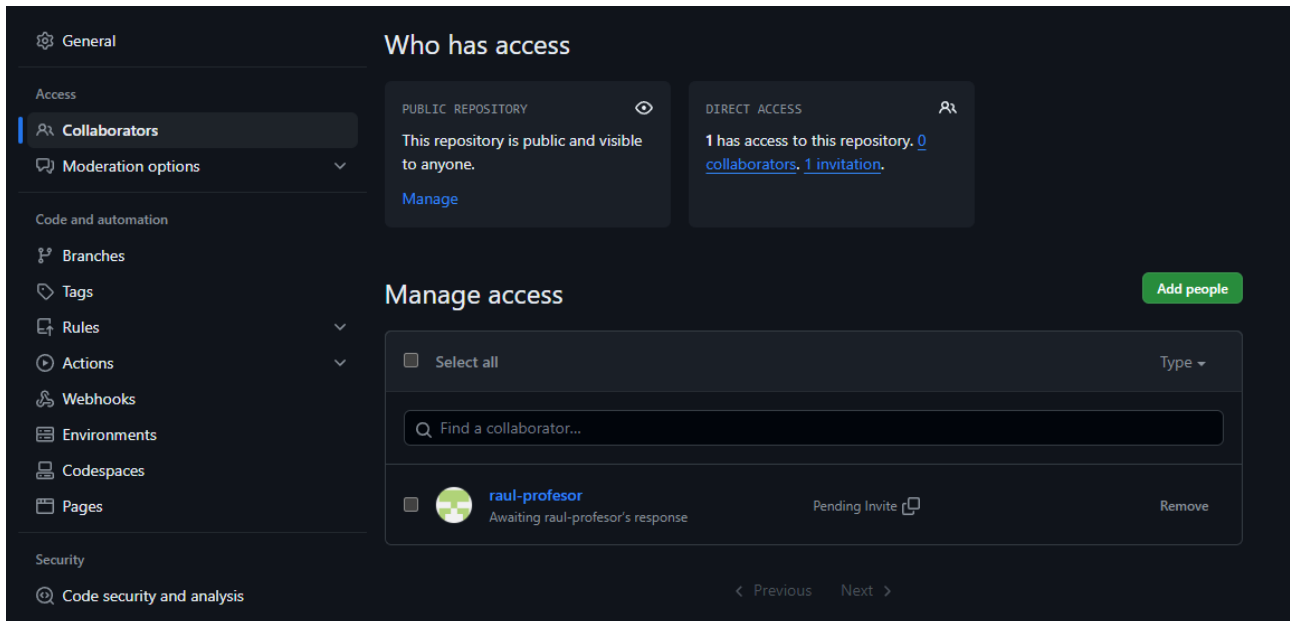
Crear una tabla

Con cierta sintaxis en un txt podremos hacer tablas



Colaboradores

Añadimos un colaborador el github



Crear una rama v0.2 y Añadir fichero 2.txt

```
[ec2-user@ip-172-31-22-16 practica4-1]$ git branch v0.2
[ec2-user@ip-172-31-22-16 practica4-1]$ git checkout v0.2
Switched to branch 'v0.2'
[ec2-user@ip-172-31-22-16 practica4-1]$ touch 2.txt
[ec2-user@ip-172-31-22-16 practica4-1]$ git add -
fatal: pathspec '-' did not match any files
[ec2-user@ip-172-31-22-16 practica4-1]$ git add .
[ec2-user@ip-172-31-22-16 practica4-1]$ git commit -m "Create 2.txt"
[v0.2 5df116b] Create 2.txt
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 2.txt
```

```
[ec2-user@ip-172-31-22-16 practica4-1]$ git push origin v0.2
Username for 'https://github.com': M-pozo
Password for 'https://M-pozo@github.com':
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 225 bytes | 225.00 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.
remote:
remote: Create a pull request for 'v0.2' on GitHub by visiting:
remote:   https://github.com/M-pozo/DEAW/pull/new/v0.2
remote:
To https://github.com/M-pozo/DEAW.git
 * [new branch]      v0.2 -> v0.2
[ec2-user@ip-172-31-22-16 practica4-1]$
```

Merge directo

```
[ec2-user@ip-172-31-22-16 practica4-1]$ git merge v0.2
Updating bd4971f..5df116b
Fast-forward
 2.txt | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 2.txt
[ec2-user@ip-172-31-22-16 practica4-1]$
```

Merge con conflictos

```
> ec2-user@ip-172-31-22-16:~/practica4-1
[ec2-user@ip-172-31-22-16 practica4-1]$ git add .
[ec2-user@ip-172-31-22-16 practica4-1]$ git commit -m "Update 1.txt"
[main c35aa34] Update 1.txt
 1 file changed, 1 insertion(+)
[ec2-user@ip-172-31-22-16 practica4-1]$ git checkout v0.2
Switched to branch 'v0.2'
[ec2-user@ip-172-31-22-16 practica4-1]$ nano 1.txt
[ec2-user@ip-172-31-22-16 practica4-1]$ [ec2-user@ip-172-31-22-16 practica4-1]$ git add .
[ec2-user@ip-172-31-22-16 practica4-1]$ git commit -m "Update 1.txt"
[v0.2 28e82a3] Update 1.txt
 1 file changed, 1 insertion(+)
[ec2-user@ip-172-31-22-16 practica4-1]$ git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 3 commits.
  (use "git push" to publish your local commits)
[ec2-user@ip-172-31-22-16 practica4-1]$ git merge v0.2
Auto-merging 1.txt
CONFLICT (content): Merge conflict in 1.txt
Automatic merge failed; fix conflicts and then commit the result.
[ec2-user@ip-172-31-22-16 practica4-1]$
```

Lista de ramas

```
branch
[ec2-user@ip-172-31-22-16 practica4-1]$ git branch --merged
* main
  v0.2
[ec2-user@ip-172-31-22-16 practica4-1]$ git branch --no-merged
[ec2-user@ip-172-31-22-16 practica4-1]$
```

Borrar rama

```
[ec2-user@ip-172-31-22-16 practica4-1]$ git tag -a v0.2 -m "Versión v0.2"
[ec2-user@ip-172-31-22-16 practica4-1]$ git branch -d v0.2
Deleted branch v0.2 (was 28e82a3).
[ec2-user@ip-172-31-22-16 practica4-1]$
```


Listado de cambios

```
[ec2-user@ip-172-31-22-16 practica4-1]$ git log
commit d3575b0946c2f07264cc5233ed3dfa6ad262b3e2 (HEAD -> main, tag: v0.2, tag: nombre_del_tag)
Merge: c35aa34 28e82a3
Author: M-pozo <m.pozo.2002@gmail.com>
Date: Tue Feb 20 09:09:28 2024 +0000

    Fix conflict

commit 28e82a32e5af403cea69c7fca6a9c34933fc753e
Author: M-pozo <m.pozo.2002@gmail.com>
Date: Tue Feb 20 09:07:21 2024 +0000

    Update 1.txt

commit c35aa3471ff5581a26e7ce7bea37c65a1cf609e0
Author: M-pozo <m.pozo.2002@gmail.com>
Date: Tue Feb 20 09:06:51 2024 +0000

    Update 1.txt

commit 5df116b5acbcd3bab2bdd1518847ee301ee4cbc (origin/v0.2)
Author: M-pozo <m.pozo.2002@gmail.com>
Date: Tue Feb 20 09:01:54 2024 +0000

    Create 2.txt

commit bd4971f34a21663e95adce7fad7440005b9416c8 (tag: v0.1)
Author: M-pozo <m.pozo.2002@gmail.com>
Date: Tue Feb 20 08:45:39 2024 +0000

    Create 1.txt

commit db0e18d97d1183dbe1848eee8a63fd148afccb29
Author: M-pozo <m.pozo.2002@gmail.com>
Date: Tue Feb 20 08:35:47 2024 +0000

    Comenzamos con los ejercicios de Git
[ec2-user@ip-172-31-22-16 practica4-1]$
```