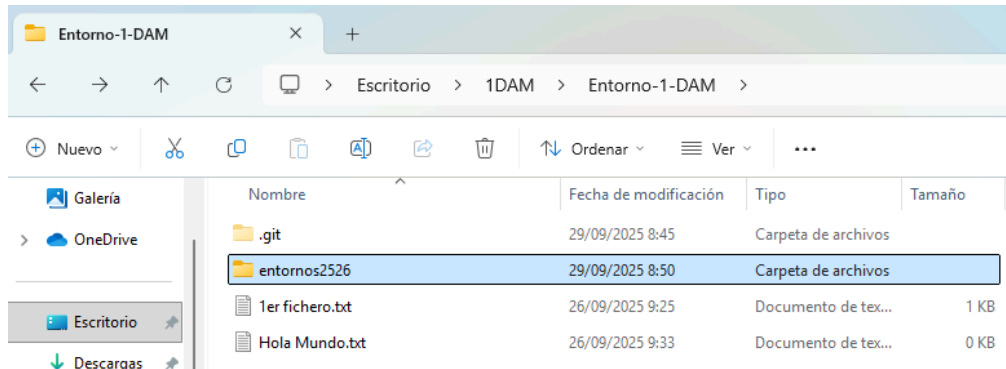


1.- Clonar un fichero

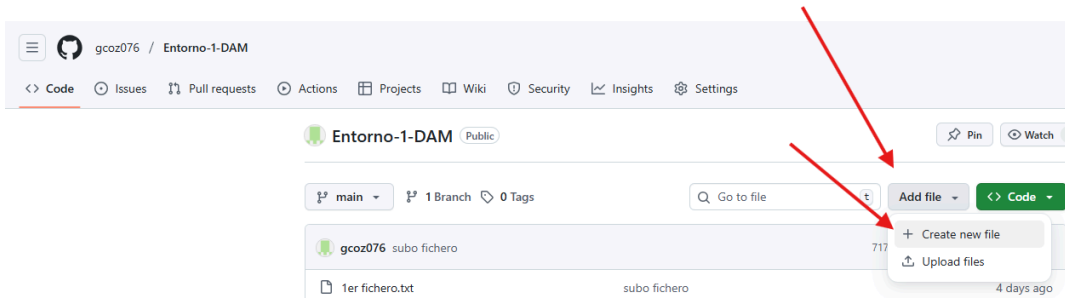
En la CMD utilizamos el comando *git clone "url"* sobre la ruta en la que queramos tener los archivos.

```
Símbolo del sistema
C:\Users\Alumno\Desktop\1DAM>git clone https://github.com/gcoz076/Entorno-1-DAM.git
```

Una vez que insertemos el comando se copiará el repositorio a nuestra ruta.



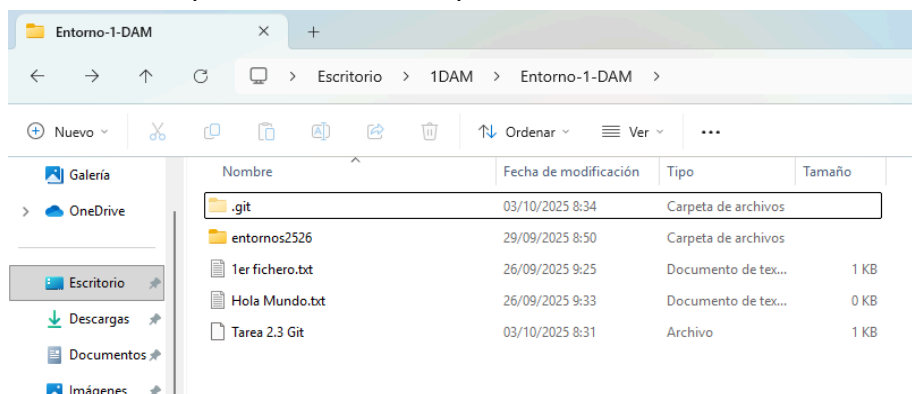
2.- Teniendo un repositorio en local que apunta a uno en remoto, haz un cambio directamente en la web (remoto) y propaga ese cambio de remoto a local. Primero añadimos un fichero al repositorio que se encuentra en Github.



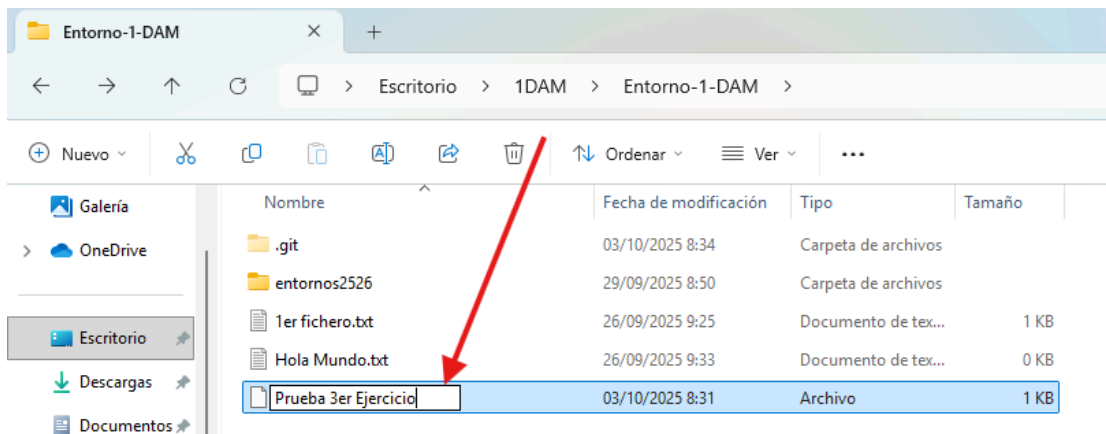
Cuando tengamos el archivo vamos a la cmd y escribimos el siguiente comando: *git pull "url"* dentro de la carpeta que hemos clonado antes en local.

```
C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM>git pull https://github.com/gcoz076/Entorno-1-DAM.git
From https://github.com/gcoz076/Entorno-1-DAM
* branch      HEAD       -> FETCH_HEAD
Already up to date.
```

Como resultado nos ha aparecido el archivo que hemos creado antes.



3.- Hacer un cambio en local y propagar el cambio a remoto SIN conflicto.
Podemos cambiarle el nombre al archivo que hemos creado anteriormente para generar un cambio.



A continuación en la CMD tenemos que realizar el comando **"git add ."** para añadir todos los cambios que hayamos realizado.

```
C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM>git add .
```

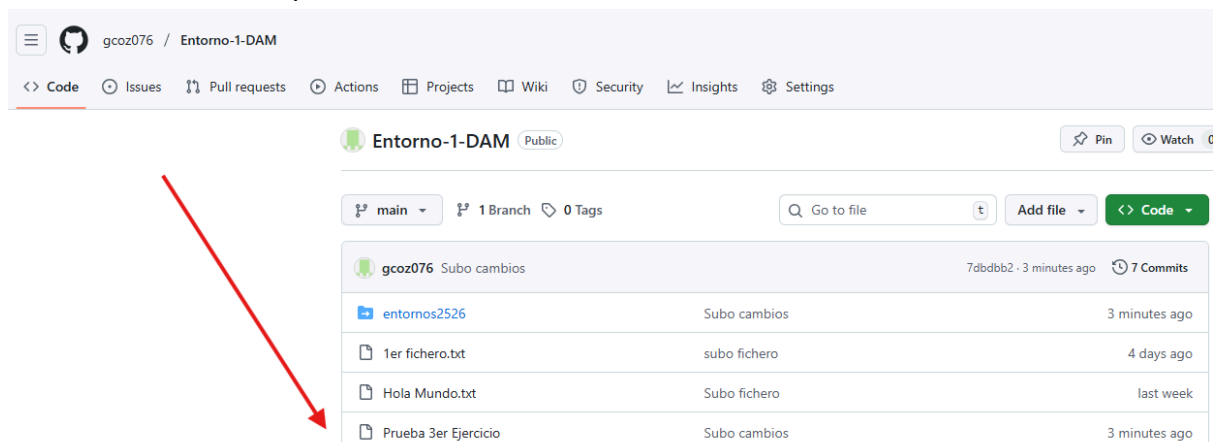
Luego hay que utilizar el comando : **"git commit -m 'texto'"**

```
C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM>git commit -m "Subo cambios"
[main 7dbdbb2] Subo cambios
3 files changed, 1 insertion(+)
delete mode 100644 Alexandru_Cozaru.txt
rename Tarea 2.3 Git => Prueba 3er Ejercicio (100%)
create mode 160000 entornos2526
```

Por último debemos utilizar el comando: **"git push 'url'"** para subir los archivos a Github.

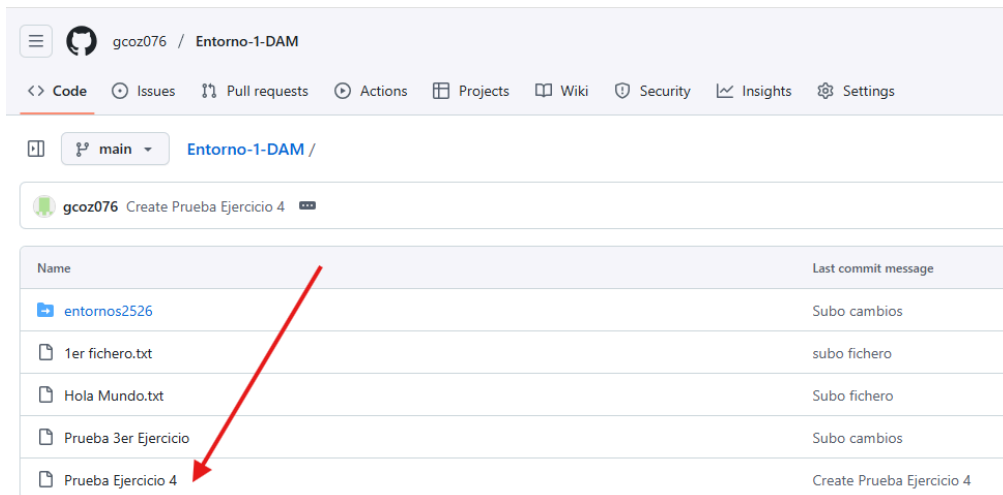
```
C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM>git push https://github.com/gcoz076/Entorno-1-DAM.git
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 12 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 769 bytes | 769.00 KiB/s, done.
Total 6 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
To https://github.com/gcoz076/Entorno-1-DAM.git
2a75a54..7dbdbb2 main -> main
```

Revisamos en Github para ver si se han realizado los cambios correctamente.



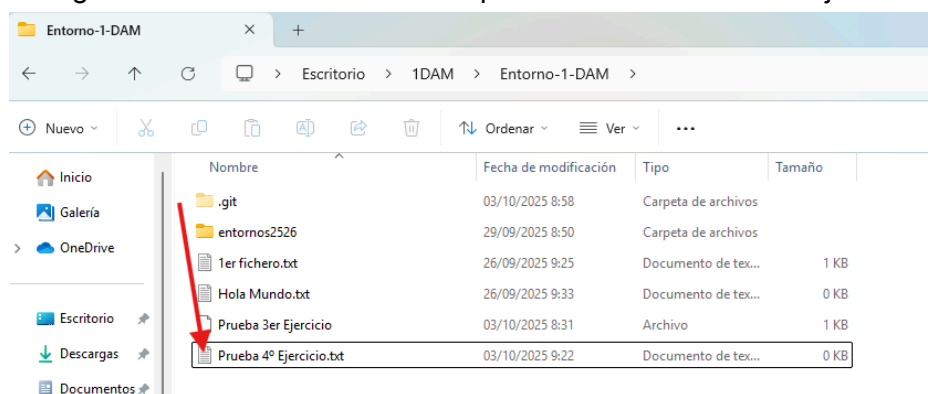
4.- Hacer un cambio en local y propagar el cambio a remoto CON conflicto realizando mergeo a mano.

Creamos un fichero en Github



Name	Last commit message
entornos2526	Subo cambios
1er fichero.txt	subo fichero
Hola Mundo.txt	Subo fichero
Prueba 3er Ejercicio	Subo cambios
Prueba Ejercicio 4	Create Prueba Ejercicio 4

A continuación generamos un archivo en local para intentar subirlo sin bajar el anterior.



Nombre	Fecha de modificación	Tipo	Tamaño
.git	03/10/2025 8:58	Carpeta de archivos	
entornos2526	29/09/2025 8:50	Carpeta de archivos	
1er fichero.txt	26/09/2025 9:25	Documento de tex...	1 KB
Hola Mundo.txt	26/09/2025 9:33	Documento de tex...	0 KB
Prueba 3er Ejercicio	03/10/2025 8:31	Archivo	1 KB
Prueba 4º Ejercicio.txt	03/10/2025 9:22	Documento de tex...	0 KB

Luego debemos hacer un **git add .** para subir el archivo cambiado.

```
PS C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM> git add .
```

Lo siguiente que debemos hacer es utilizar el comando: **git commit -m "texto"**

```
PS C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM> git commit -m "Subo archivo conflicto"
[main bdd4560] Subo archivo conflicto
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 "Prueba 4\302\272 Ejercicio.txt"
```

Por último intentamos hacer la subida para que aparezca el conflicto, para ello utilizamos el comando: **git push "url"**

```
PS C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM> git push Entorno-1-DAM main
To https://github.com/gcoz076/Entorno-1-DAM.git
! [rejected]        main -> main (fetch first)
error: failed to push some refs to 'https://github.com/gcoz076/Entorno-1-DAM.git'
hint: Updates were rejected because the remote contains work that you do not
hint: have locally. This is usually caused by another repository pushing to
hint: the same ref. If you want to integrate the remote changes, use
hint: 'git pull' before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
```

Tras este error tenemos que traer el fichero de la nube y después tendremos que seguir la secuencia predeterminada para subir cualquier fichero.

```
PS C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM> git status
On branch main
Your branch and 'origin/main' have diverged,
and have 1 and 1 different commits each, respectively.
(use "git pull" if you want to integrate the remote branch with yours)

You have unmerged paths.
(fix conflicts and run "git commit")
(use "git merge --abort" to abort the merge)

Unmerged paths:
  (use "git add <file>..." to mark resolution)
    both modified:   Hola Mundo.txt

no changes added to commit (use "git add" and/or "git commit -a")
PS C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM> git status
On branch main
Your branch and 'origin/main' have diverged,
and have 1 and 1 different commits each, respectively.
(use "git pull" if you want to integrate the remote branch with yours)

You have unmerged paths.
(fix conflicts and run "git commit")
(use "git merge --abort" to abort the merge)

Unmerged paths:
  (use "git add <file>..." to mark resolution)
    both modified:   Hola Mundo.txt

no changes added to commit (use "git add" and/or "git commit -a")
PS C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM> git add .
warning: in the working copy of 'Hola Mundo.txt', LF will be replaced by CRLF the next time Git touches it
PS C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM> git commit -m "Subo conflicto"
[main db2945c] Subo conflicto
PS C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM> git push origin main
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Delta compression using up to 12 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 603 bytes | 603.00 KiB/s, done.
Total 6 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
To https://github.com/gcoz076/Entorno-1-DAM.git
 e281a7c..db2945c  main -> main
PS C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM> |
```

5.- Hacer un cambio en local y propagar el cambio a remoto CON conflicto, haciendo que nuestros cambios en local sobrescriben los de del remoto.

Primero tendremos que intentar subir el archivo que hemos editado en local como normalmente lo hacemos.

```
Windows PowerShell
Copyright (C) Microsoft Corporation. Todos los derechos reservados.

Instale la versión más reciente de PowerShell para obtener nuevas características y mejoras. https://aka.ms/PSWindows

PS C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM> git status
On branch main
Your branch is up to date with 'origin/main'.

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:   Hola Mundo.txt

no changes added to commit (use "git add" and/or "git commit -a")
PS C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM> git add .
PS C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM> 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)
        modified:   Hola Mundo.txt

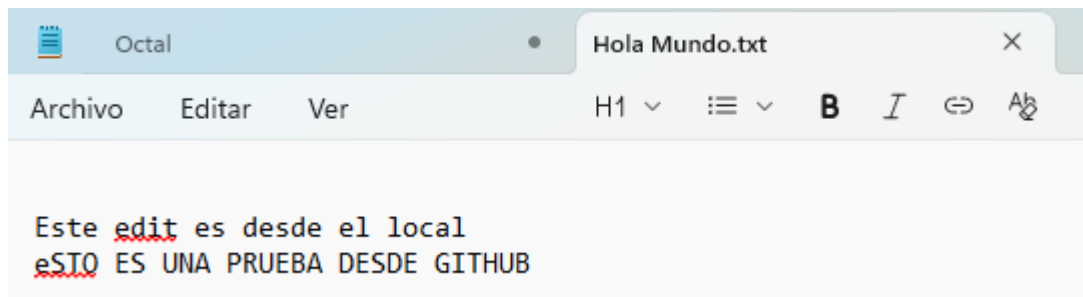
PS C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM> git commit -m "Subo conflicto mismo fichero"
[main blf9773] Subo conflicto mismo fichero
 1 file changed, 1 insertion(+)
PS C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM> git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
PS C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM> git push origin main
To https://github.com/gcoz076/Entorno-1-DAM.git
! [rejected]        main -> main (fetch first)
error: failed to push some refs to 'https://github.com/gcoz076/Entorno-1-DAM.git'
hint: Updates were rejected because the remote contains work that you do not
hint: have locally. This is usually caused by another repository pushing to
hint: the same ref. If you want to integrate the remote changes, use
hint: 'git pull' before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
```

Cuando nos hace el conflicto simplemente hacemos un [git pull origin main](#) para traer los ficheros.

```
PS C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM> git pull origin main
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 944 bytes | 94.00 KiB/s, done.
From https://github.com/gcoz076/Entorno-1-DAM
 * branch                main          -> FETCH_HEAD
 2blcce0..e281a7c main      -> origin/main
Auto-merging Hola Mundo.txt
CONFLICT (content): Merge conflict in Hola Mundo.txt
Automatic merge failed; fix conflicts and then commit the result.
```

Luego miramos el archivo y dejamos lo necesario para subirlo a continuación.



Por último volvemos a subir y ya nos debería de dejar.

```
PS C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM> git status
On branch main
Your branch and 'origin/main' have diverged,
and have 1 and 1 different commits each, respectively.
(use "git pull" if you want to integrate the remote branch with yours)

You have unmerged paths.
(fix conflicts and run "git commit")
(use "git merge --abort" to abort the merge)

Unmerged paths:
  (use "git add <file>..." to mark resolution)
    both modified:   Hola Mundo.txt

no changes added to commit (use "git add" and/or "git commit -a")
PS C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM> git status
On branch main
Your branch and 'origin/main' have diverged,
and have 1 and 1 different commits each, respectively.
(use "git pull" if you want to integrate the remote branch with yours)

You have unmerged paths.
(fix conflicts and run "git commit")
(use "git merge --abort" to abort the merge)

Unmerged paths:
  (use "git add <file>..." to mark resolution)
    both modified:   Hola Mundo.txt

no changes added to commit (use "git add" and/or "git commit -a")
PS C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM> git add .
warning: in the working copy of 'Hola Mundo.txt', LF will be replaced by CRLF the next time Git touches it
PS C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM> git commit -m "Subo conflicto"
[main db2945c] Subo conflicto
PS C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM> git push origin main
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Delta compression using up to 12 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 603 bytes | 603.00 KiB/s, done.
Total 6 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
To https://github.com/gcoz076/Entorno-1-DAM.git
 e281a7c..db2945c main -> main
PS C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM> |
```