

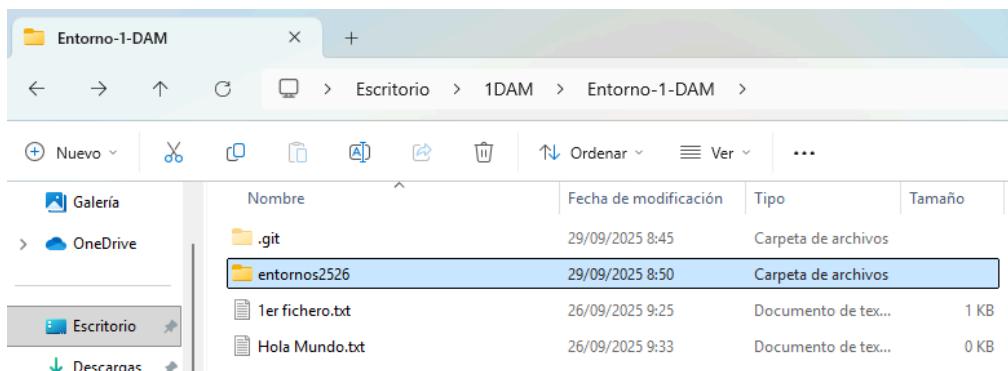
1.- Clonar un fichero

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

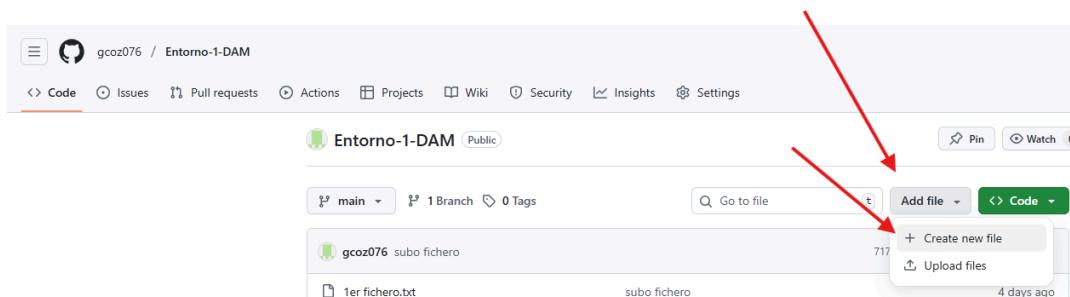


```
C:\Users\Alumno\Desktop\1DAM>git clone https://github.com/gcoz076/Entorno-1-DAM.git|
```

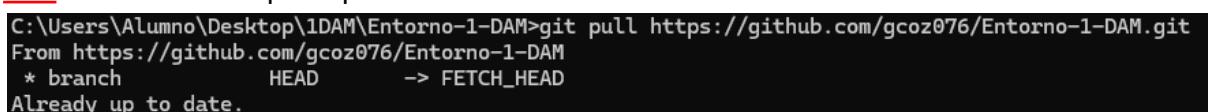
Una vez que insertemos el comando se copiará el repositorio a nuestra ruta.



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.

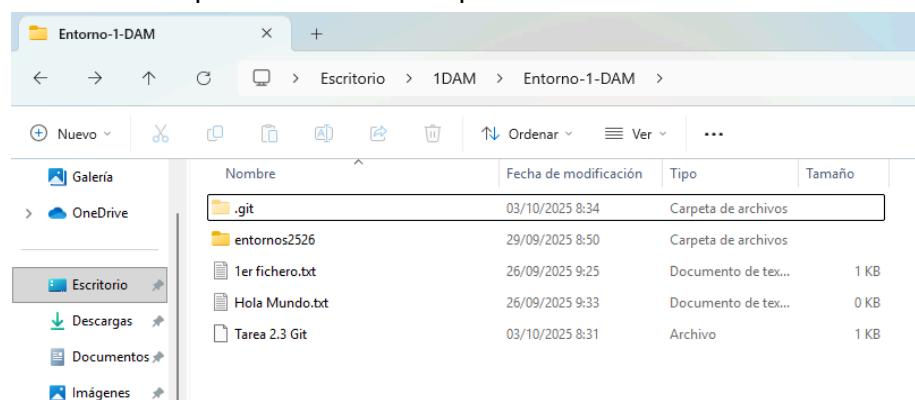


Cuando tengamos el archivo vamos a la cmd y escribimos el siguiente comando: "git pull "url" dentro de la carpeta que hemos clonado antes en local.



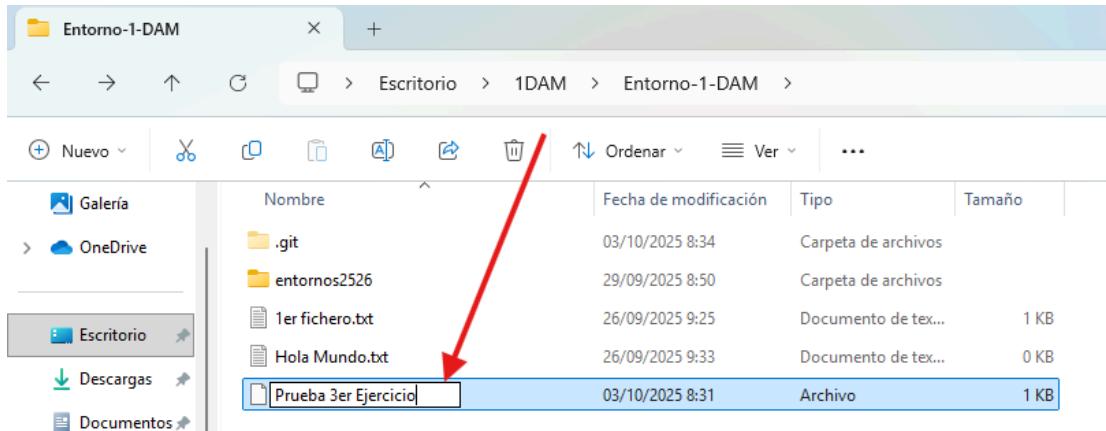
```
C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM>git pull https://github.com/gcoz076/Entorno-1-DAM.git
From https://github.com/gcoz076/Entorno-1-DAM
 * branch            HEAD      -> FETCH_HEAD
Already up to date.
```

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.

| Author | Commit Message | Date |
|----------------------|----------------|-------------------------|
| gcoz076 | Subo cambios | 7dbdbb2 · 3 minutes ago |
| entornos2526 | Subo cambios | 3 minutes ago |
| 1er fichero.txt | subo fichero | 4 days ago |
| Hola Mundo.txt | Subo fichero | last week |
| Prueba 3er Ejercicio | Subo cambios | 3 minutes ago |

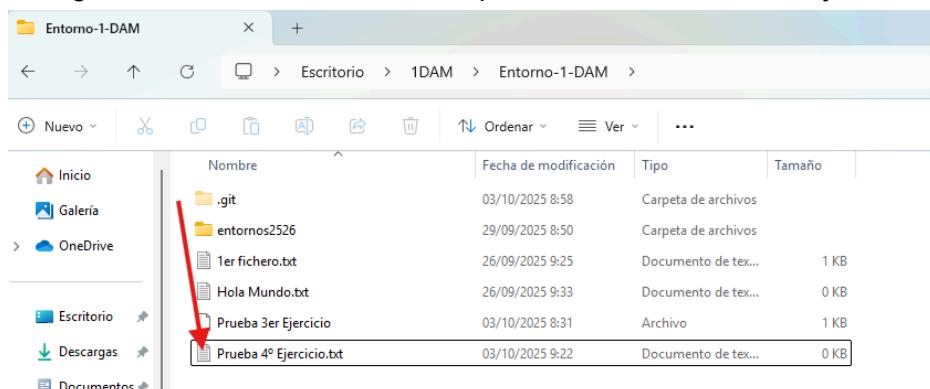
4.- Hacer un cambio en local y propagar el cambio a remoto CON conflicto realizando mergeo a mano.

Creamos un fichero en Github

A screenshot of a GitHub repository named 'Entorno-1-DAM'. The commit history shows the following entries:

| 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.



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 4º 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)

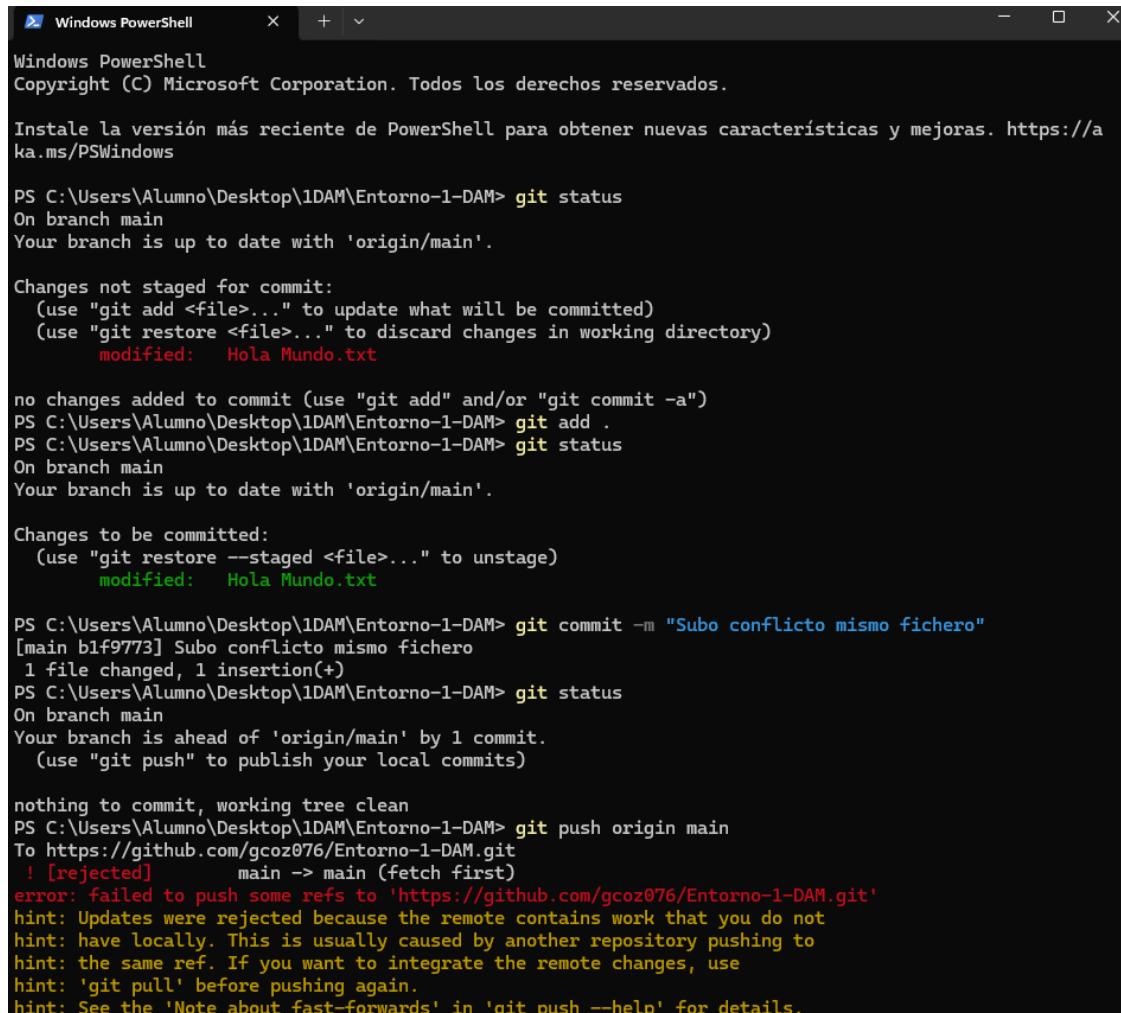
You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)

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 sobreescriben los de del remoto.

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



```
Windows PowerShell
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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

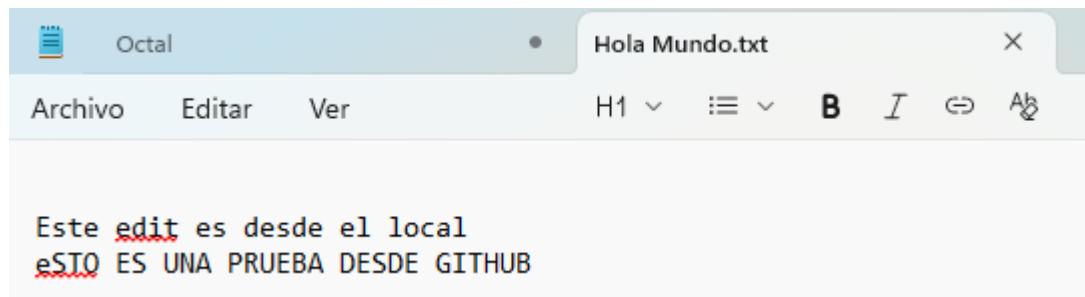
PS C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM> git commit -m "Subo conflicto mismo fichero"
[main bf9f773] Subo conflicto mismo fichero
 1 file changed, 1 insertion(+)
PS C:\Users\Alumno\Desktop\1DAM\Entorno-1-DAM> git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git 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
   2b1cce0..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> |
```