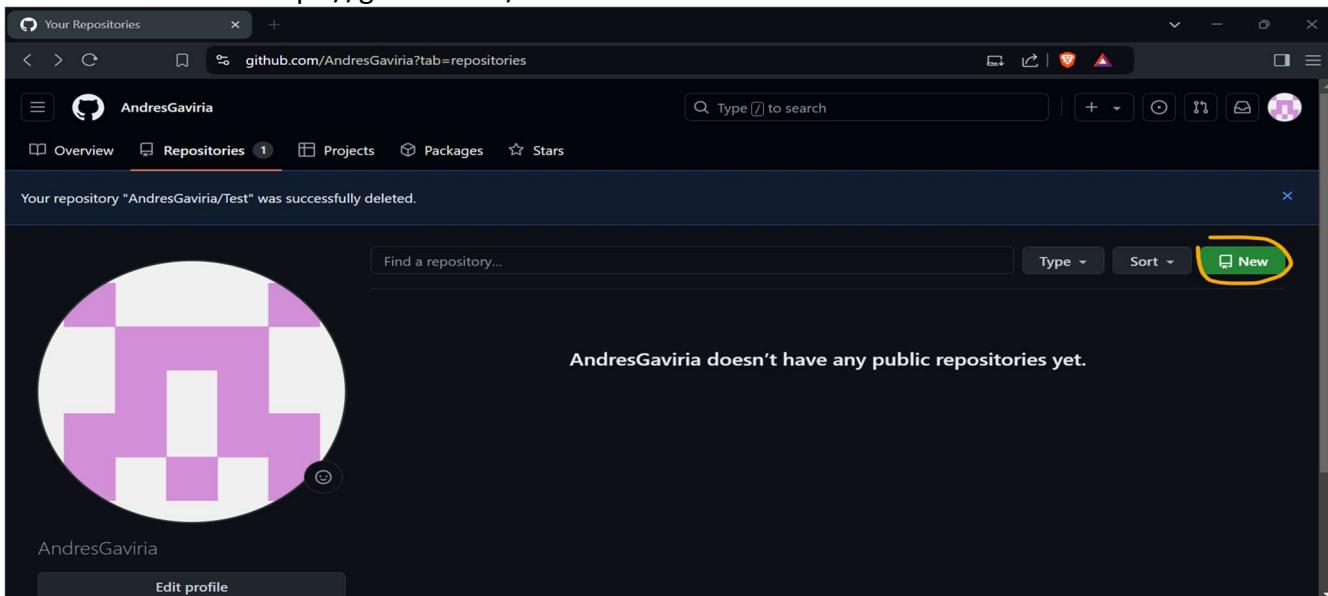


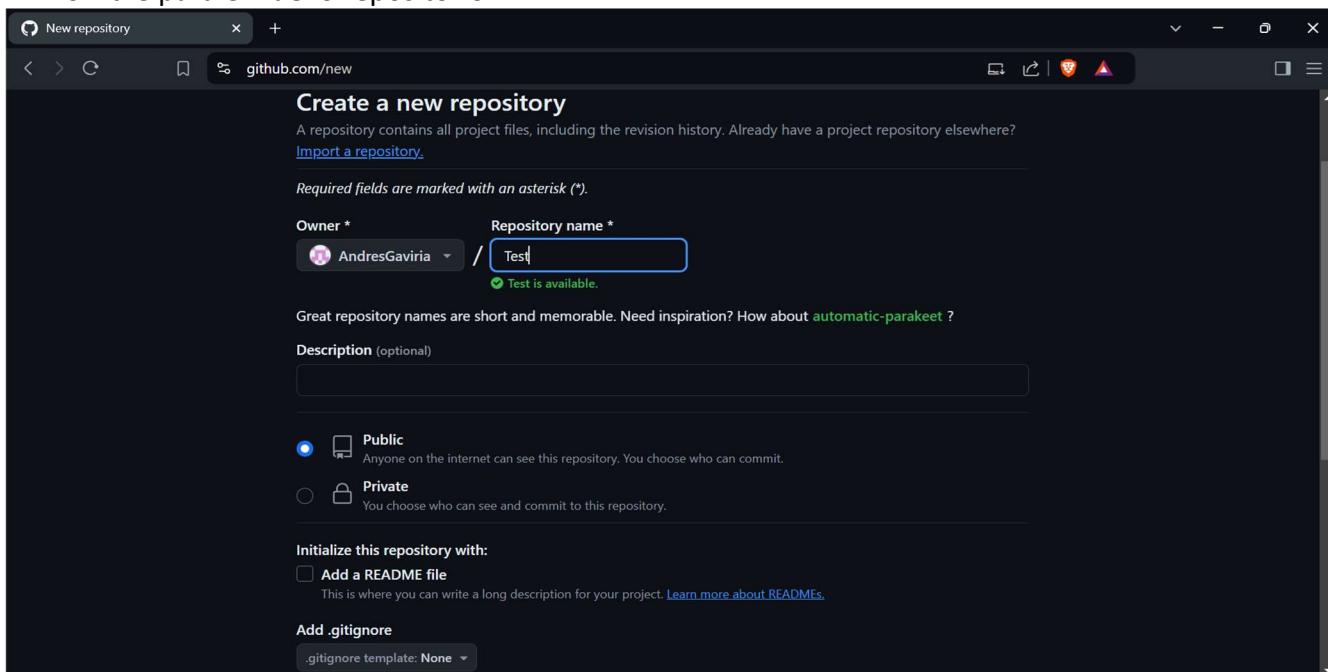
Programación de Software

Unidad 1: Control de versiones y Repositorios con Branches

Crear cuenta en <https://github.com/>



Nombre para el nuevo repositorio



Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository](#).

Required fields are marked with an asterisk (*).

Owner * Repository name *

AndresGaviria / Test

Test is available.

Great repository names are short and memorable. Need inspiration? How about [automatic-parakeet](#) ?

Description (optional)

Public Anyone on the internet can see this repository. You choose who can commit.

Private You choose who can see and commit to this repository.

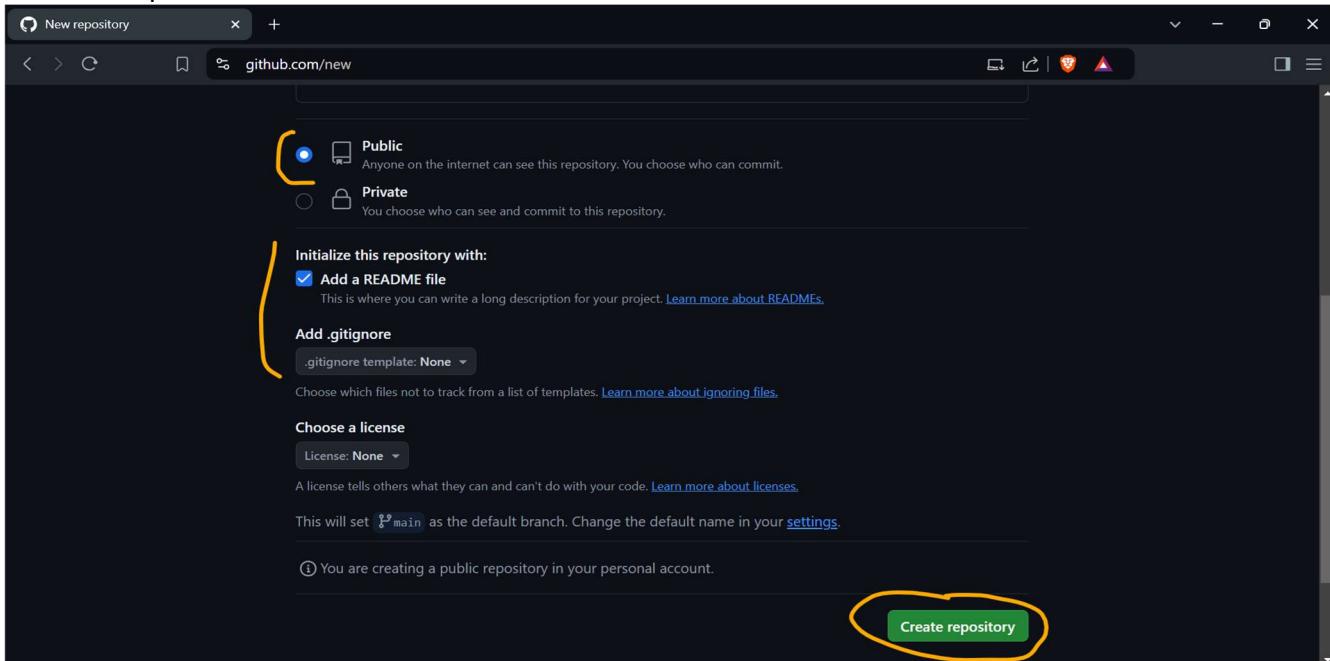
Initialize this repository with:

Add a README file This is where you can write a long description for your project. [Learn more about READMEs](#).

Add .gitignore

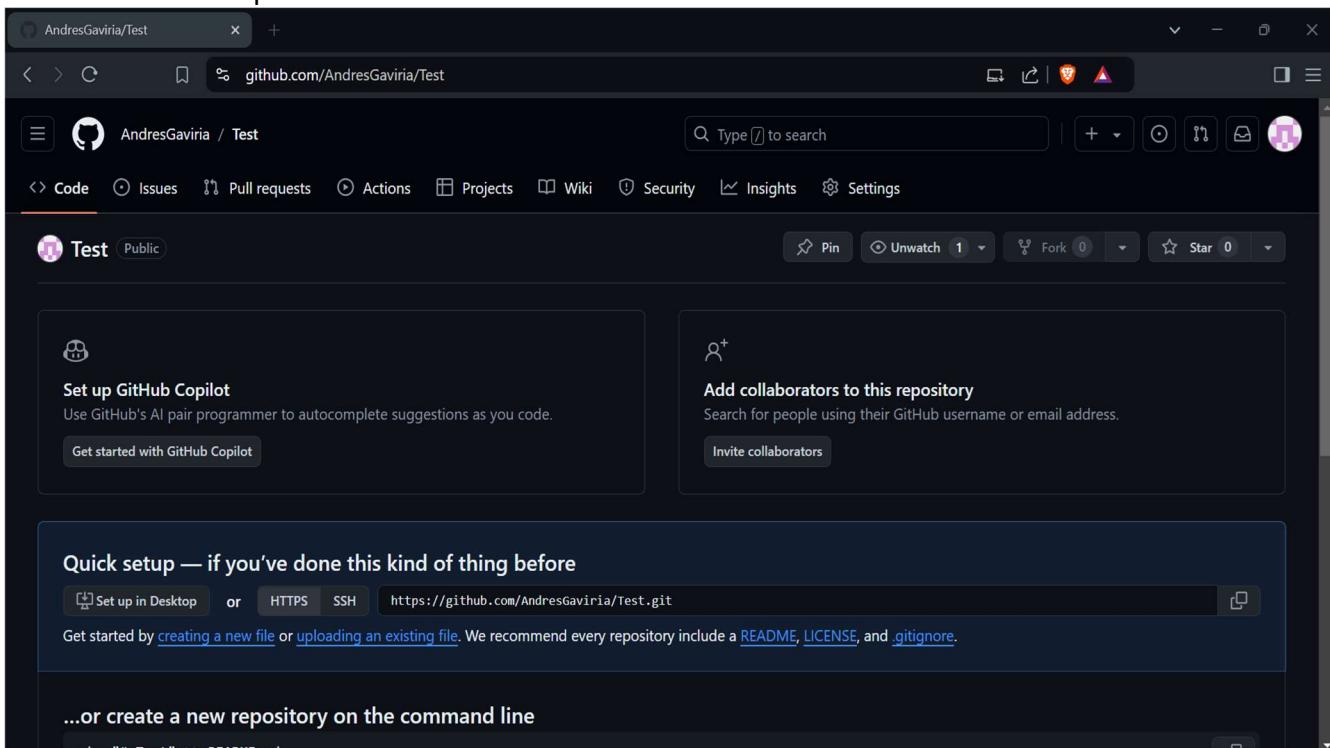
.gitignore template: None

Crear repositorio



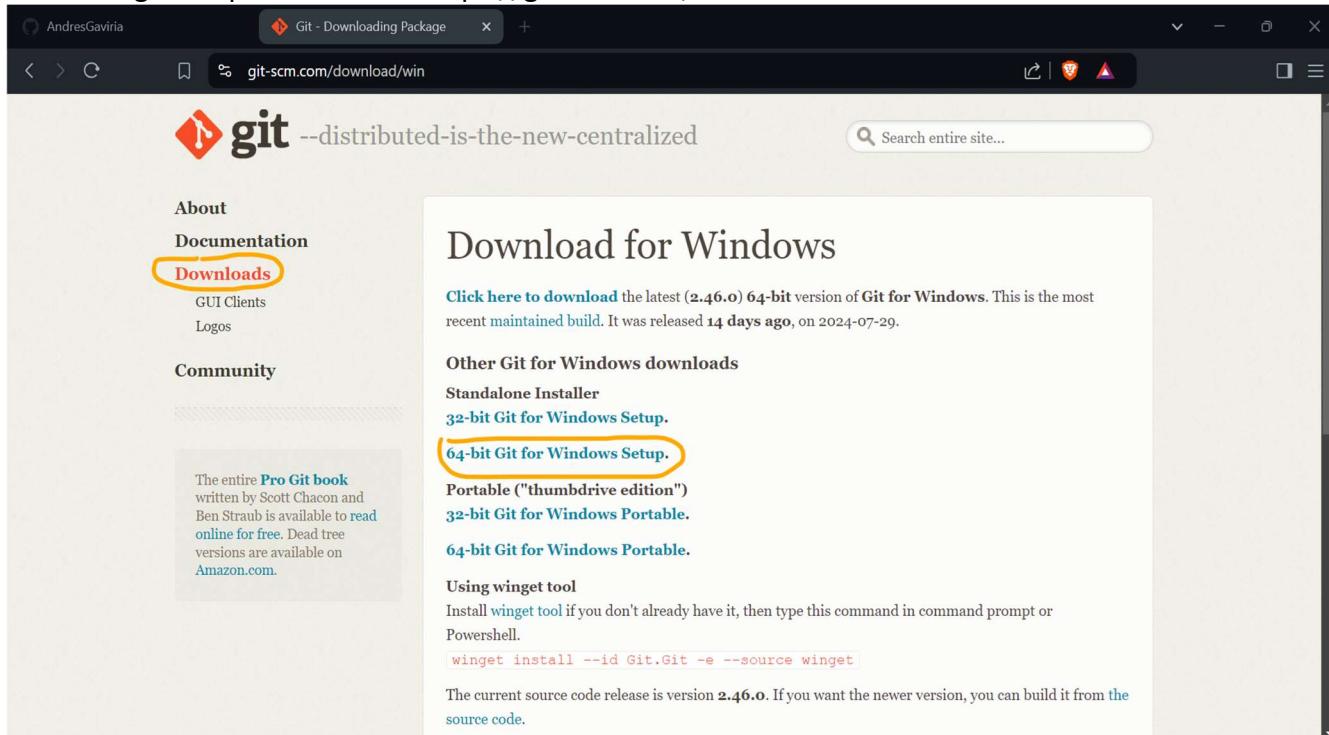
The screenshot shows the GitHub 'New repository' creation interface. It includes fields for repository type (Public or Private), README file, .gitignore template, license selection, and a note about default branches. A yellow arrow points from the 'Public' button to the 'Public' section. Another yellow arrow points from the 'Add a README file' checkbox to the 'README file' section. A yellow circle highlights the 'Create repository' button at the bottom right.

Validación de repositorio creado



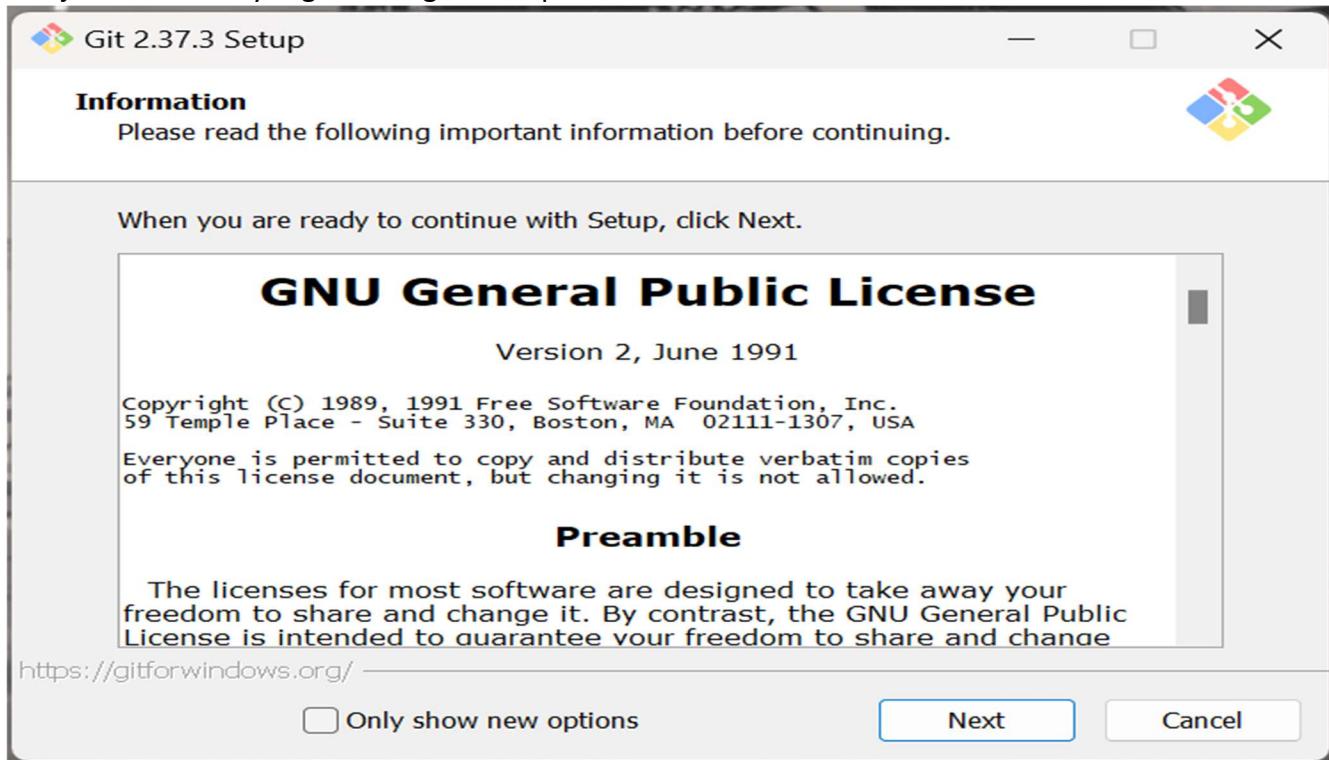
The screenshot shows the GitHub repository page for 'AndresGaviria/Test'. It displays basic repository information like code, issues, pull requests, and actions. A yellow circle highlights the 'Create repository' button at the bottom right of the main content area.

Descargar Git para Windows <https://git-scm.com/downloads>

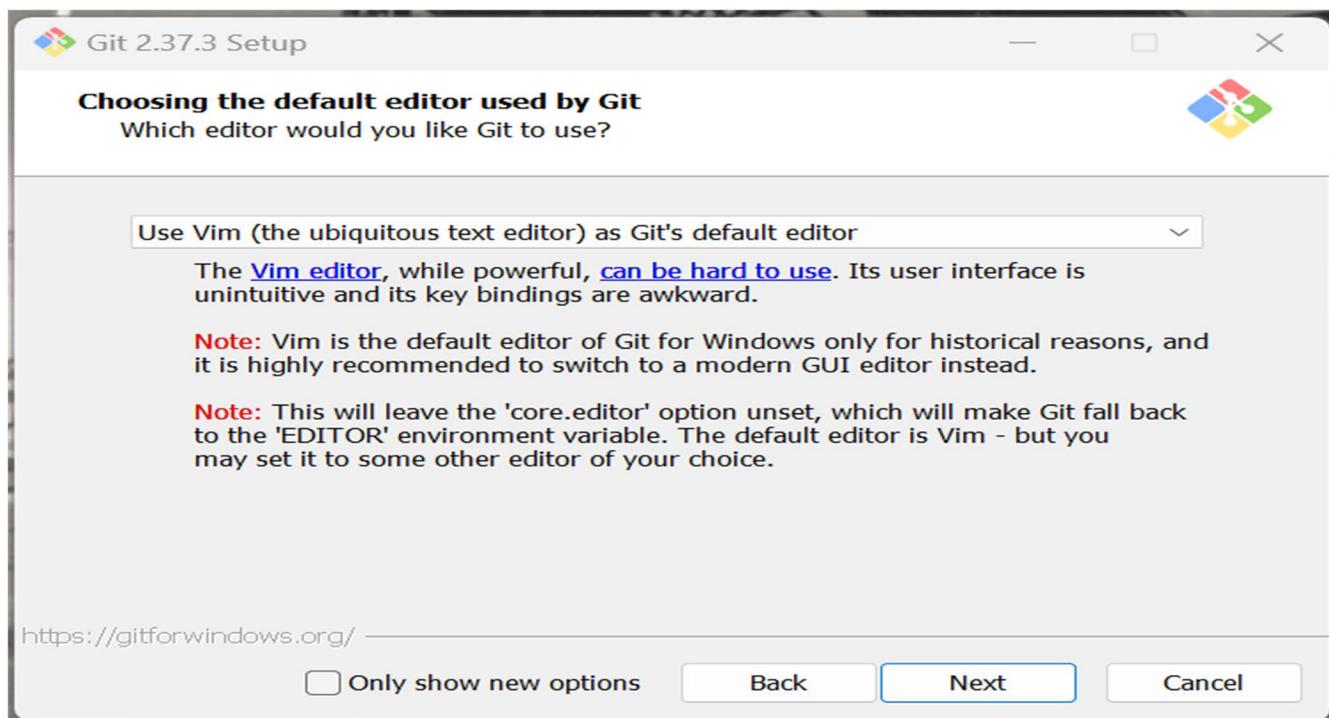
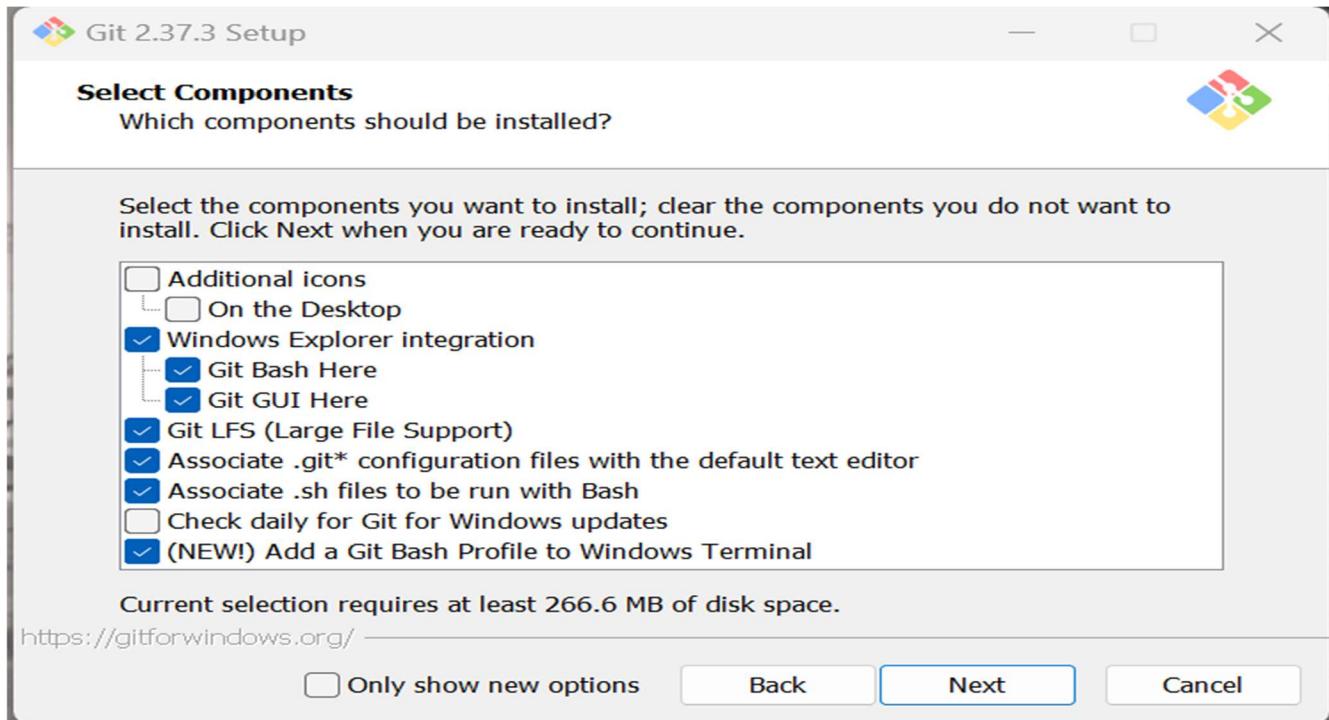


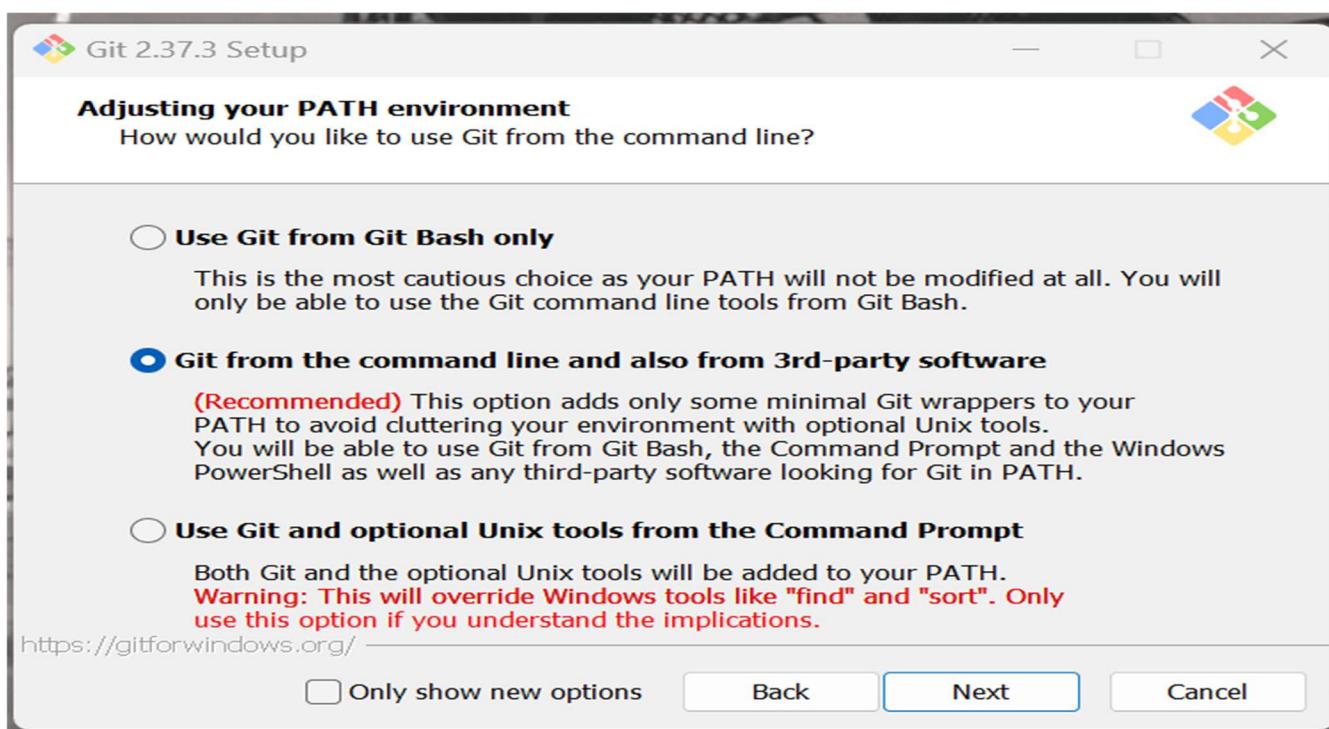
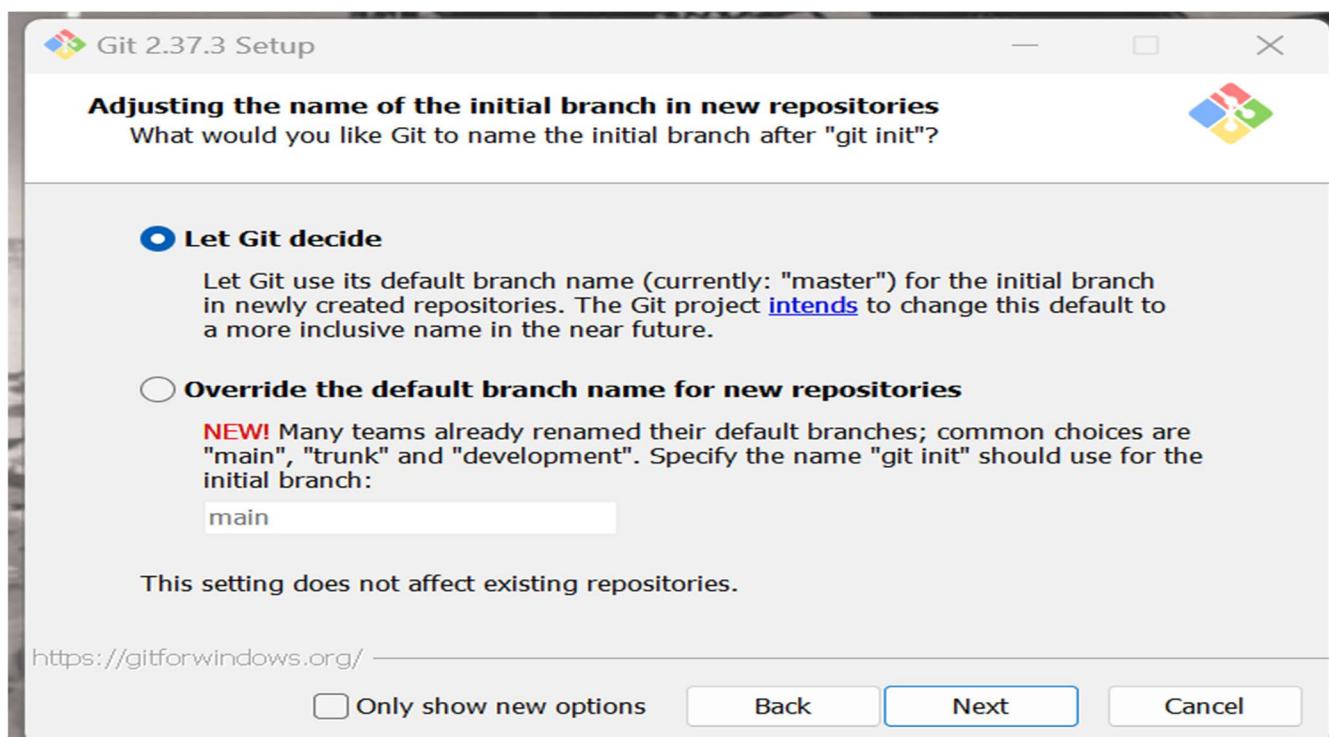
The screenshot shows a web browser window with the URL git-scm.com/download/win. The left sidebar has links for About, Documentation, Downloads (which is highlighted with a yellow circle), GUI Clients, Logos, and Community. The main content area is titled "Download for Windows". It says "Click here to download the latest (2.46.0) 64-bit version of Git for Windows. This is the most recent maintained build. It was released 14 days ago, on 2024-07-29." Below this, there are links for "Other Git for Windows downloads", "Standalone Installer", "32-bit Git for Windows Setup." (which is highlighted with a yellow circle), "64-bit Git for Windows Setup." (also highlighted with a yellow circle), "Portable ("thumbdrive edition")", "32-bit Git for Windows Portable.", and "64-bit Git for Windows Portable.". A note about winget tool and its command line is shown, followed by a note about the source code release.

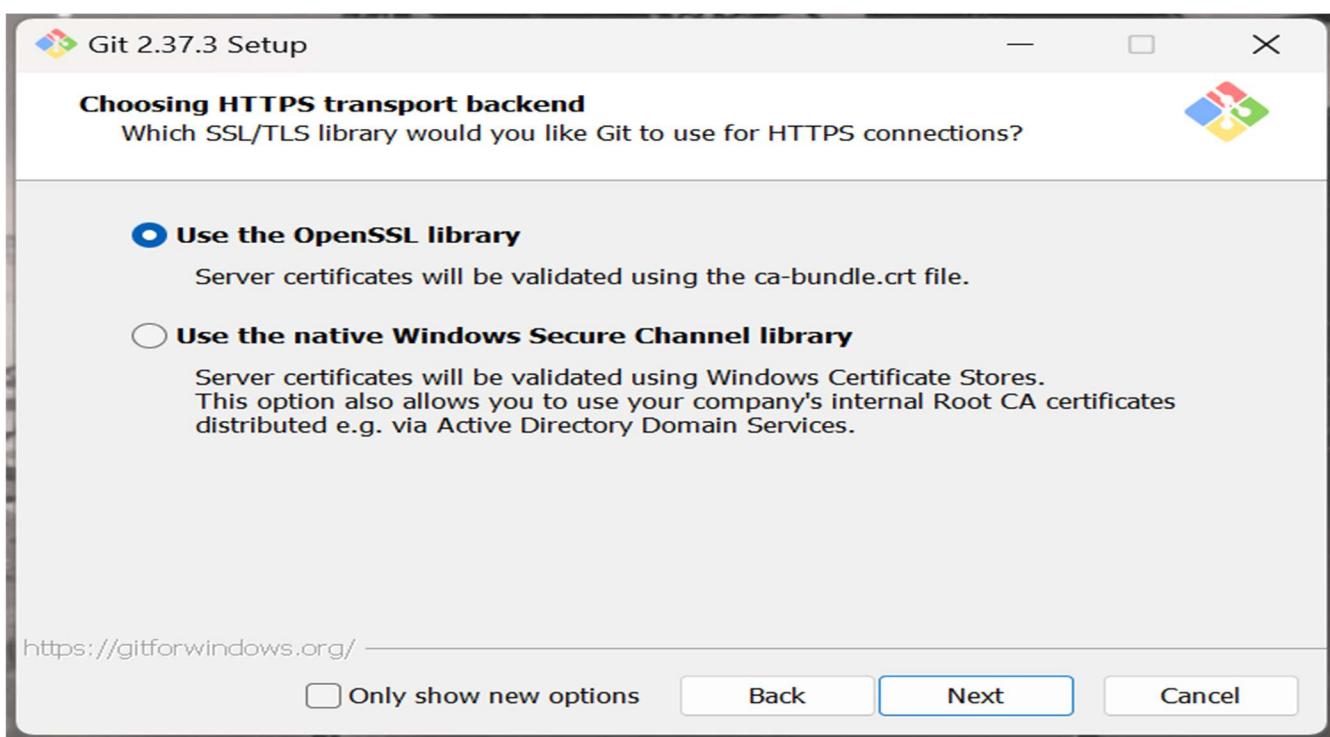
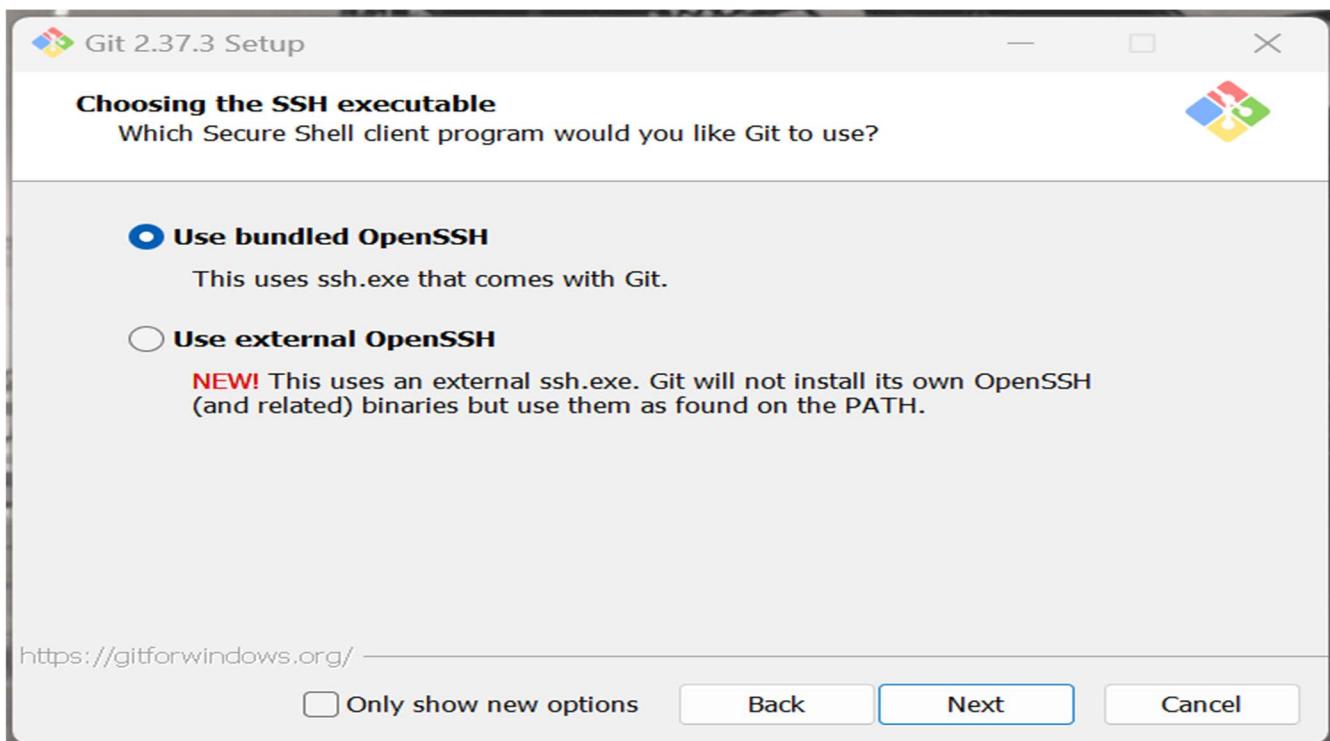
Ejecutar él .exe y seguir los siguientes pasos

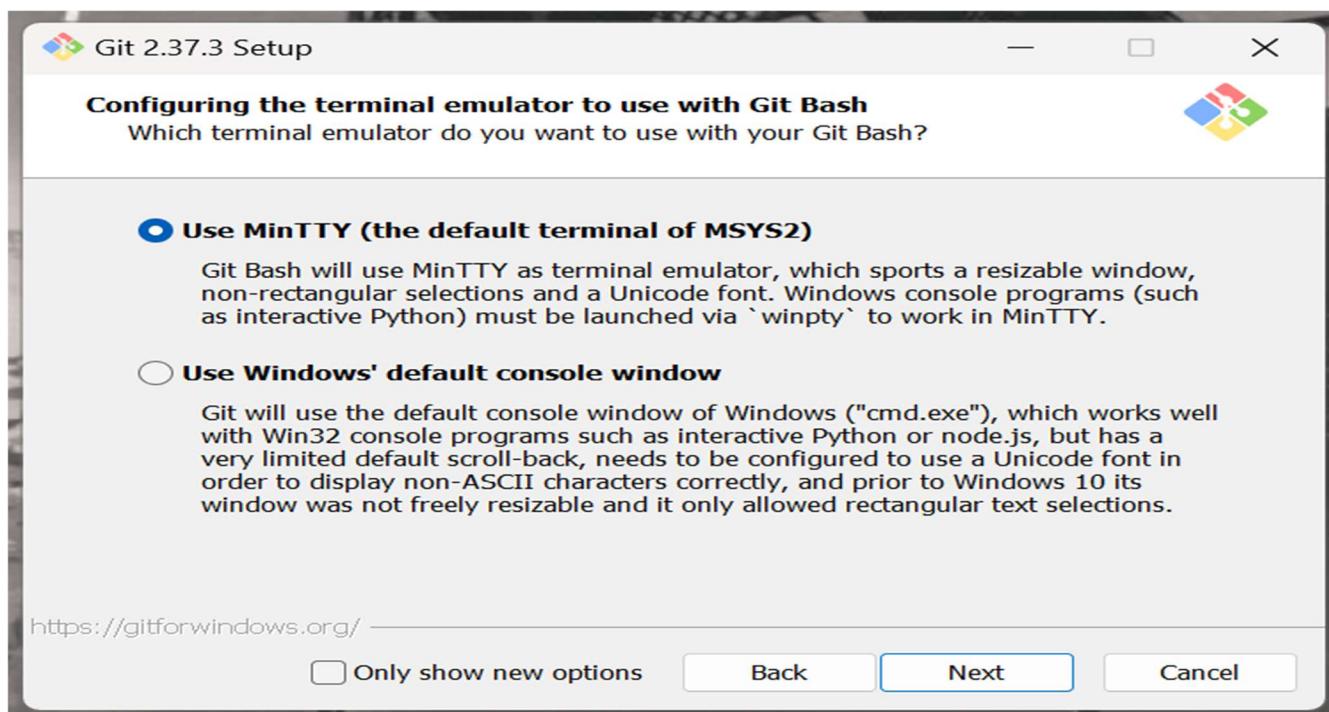
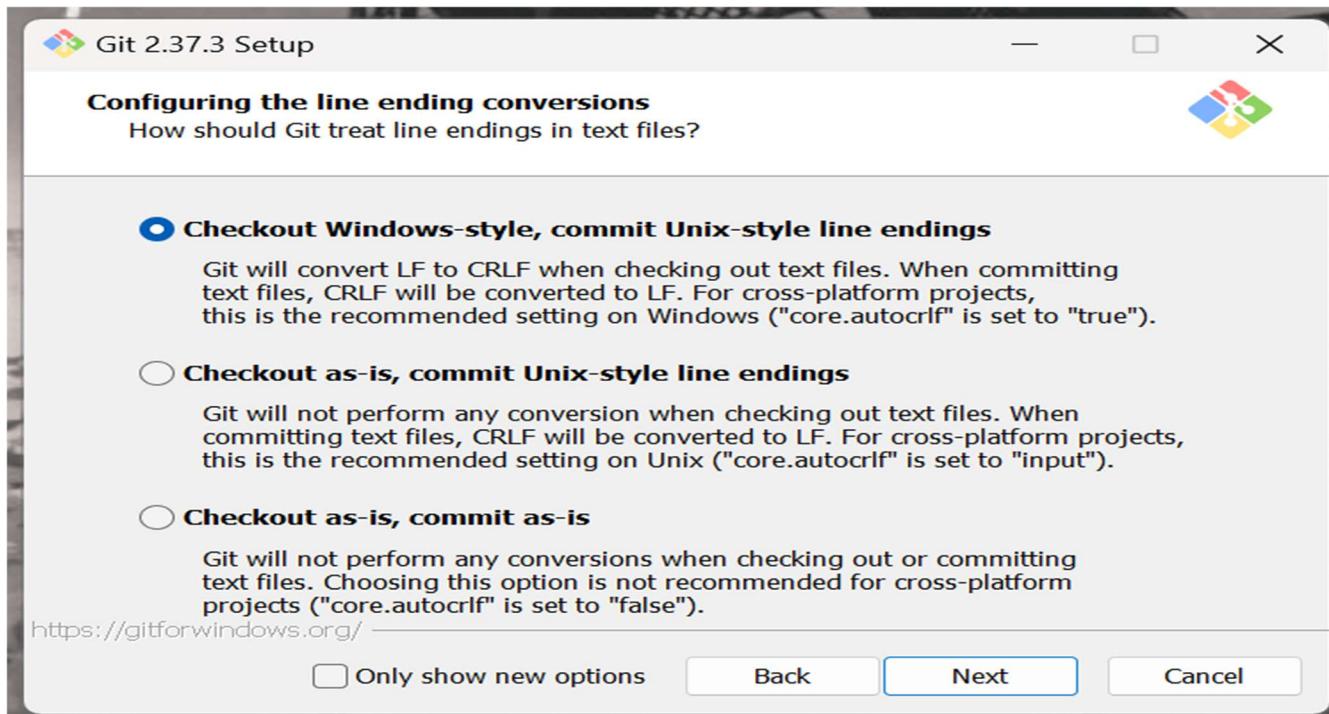


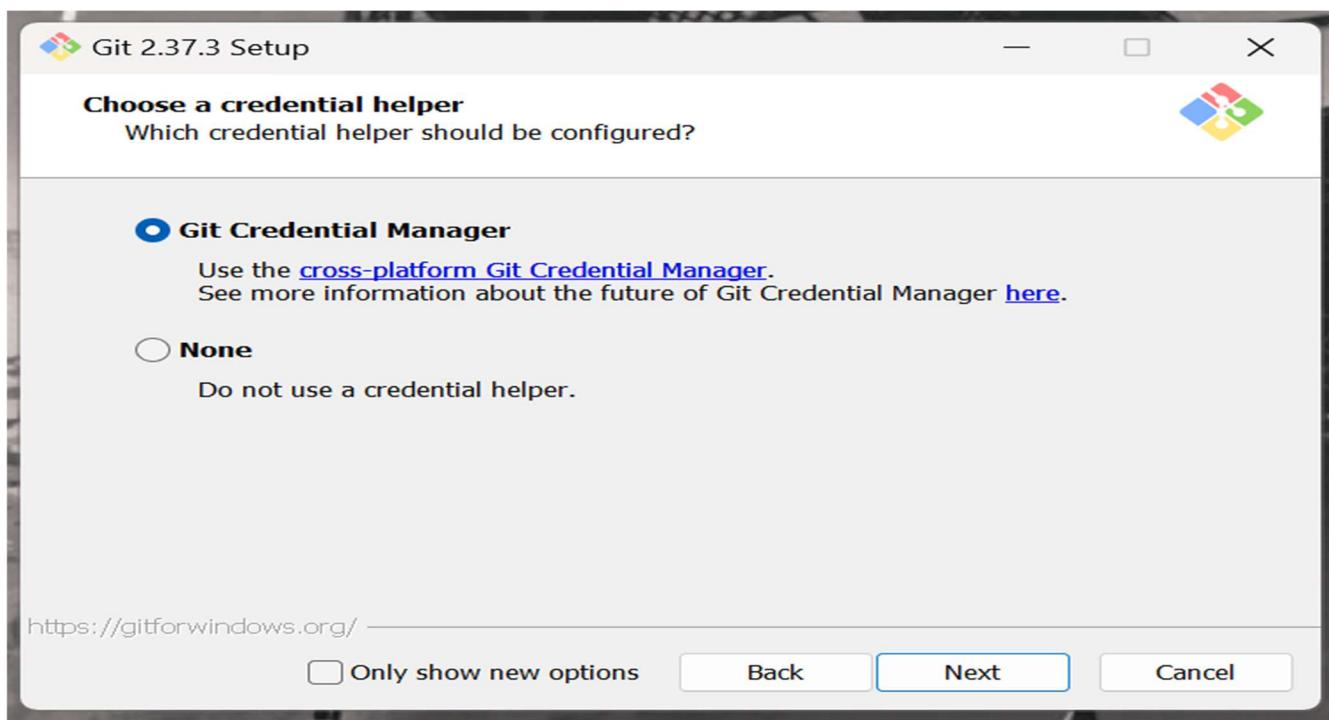
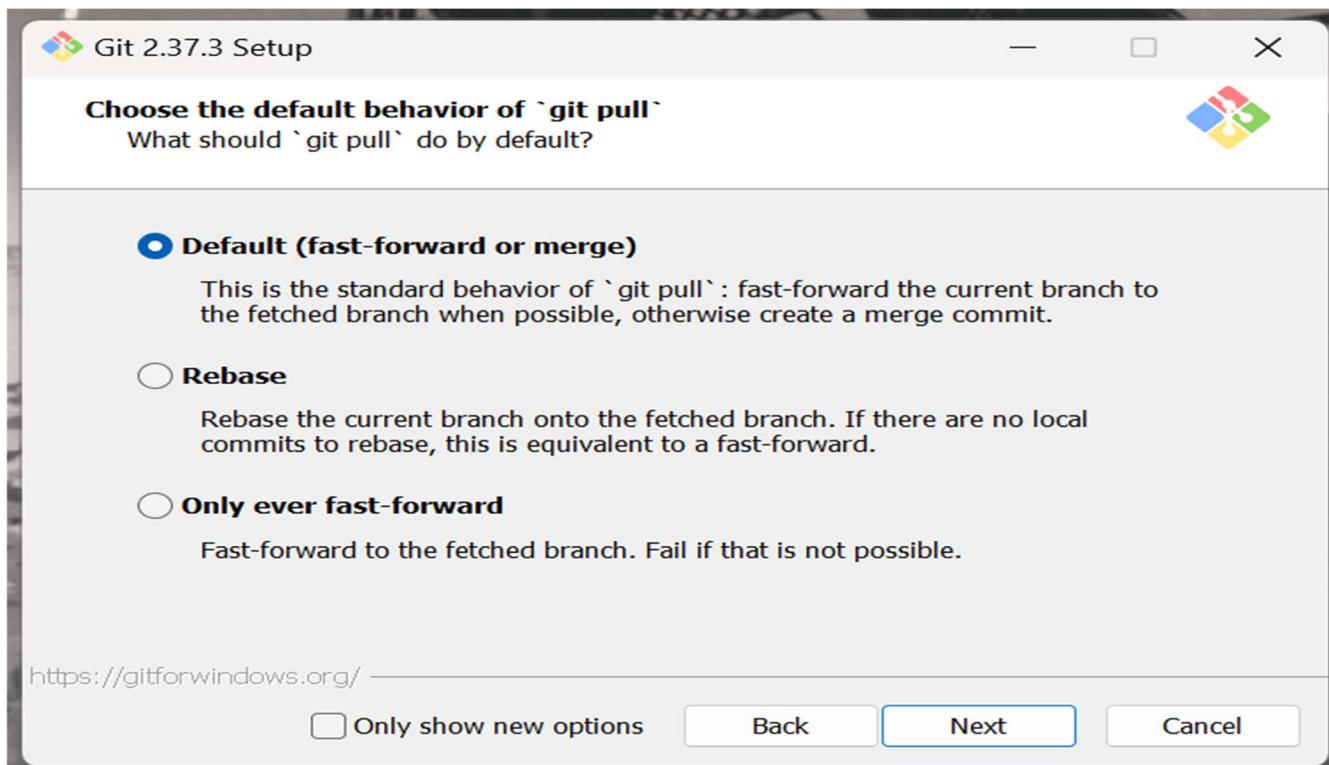
The screenshot shows the "Git 2.37.3 Setup" window. The title bar says "Git 2.37.3 Setup". The main area is titled "Information" and contains the message "Please read the following important information before continuing." Below this, it says "When you are ready to continue with Setup, click Next." A large box displays the "GNU General Public License" document, specifically Version 2, June 1991. It includes the copyright notice for the Free Software Foundation, Inc., and a statement that everyone is permitted to copy and distribute verbatim copies of the license document. The "Preamble" section is also visible. At the bottom of the window, there is a note about the licenses for most software being designed to take away freedom to share and change, while the GNU General Public License is intended to guarantee your freedom to share and change. There are "Next" and "Cancel" buttons at the bottom right.

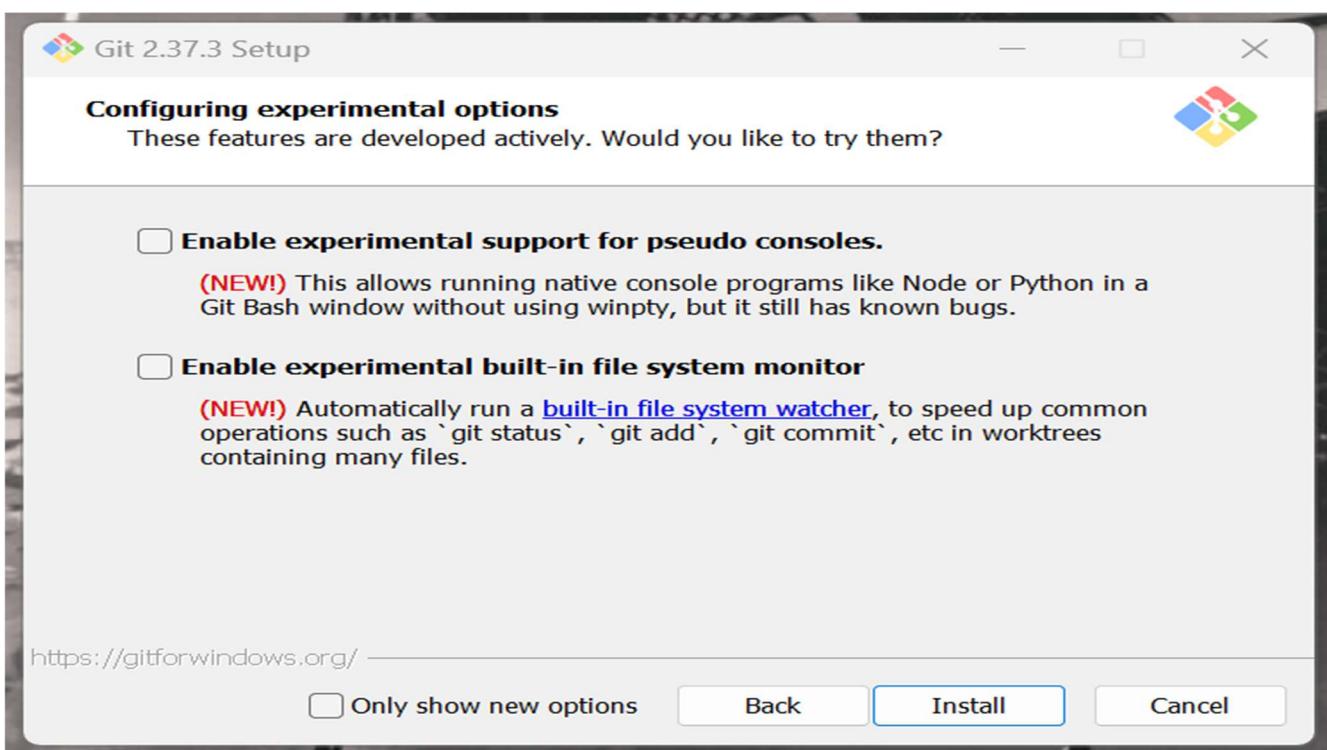
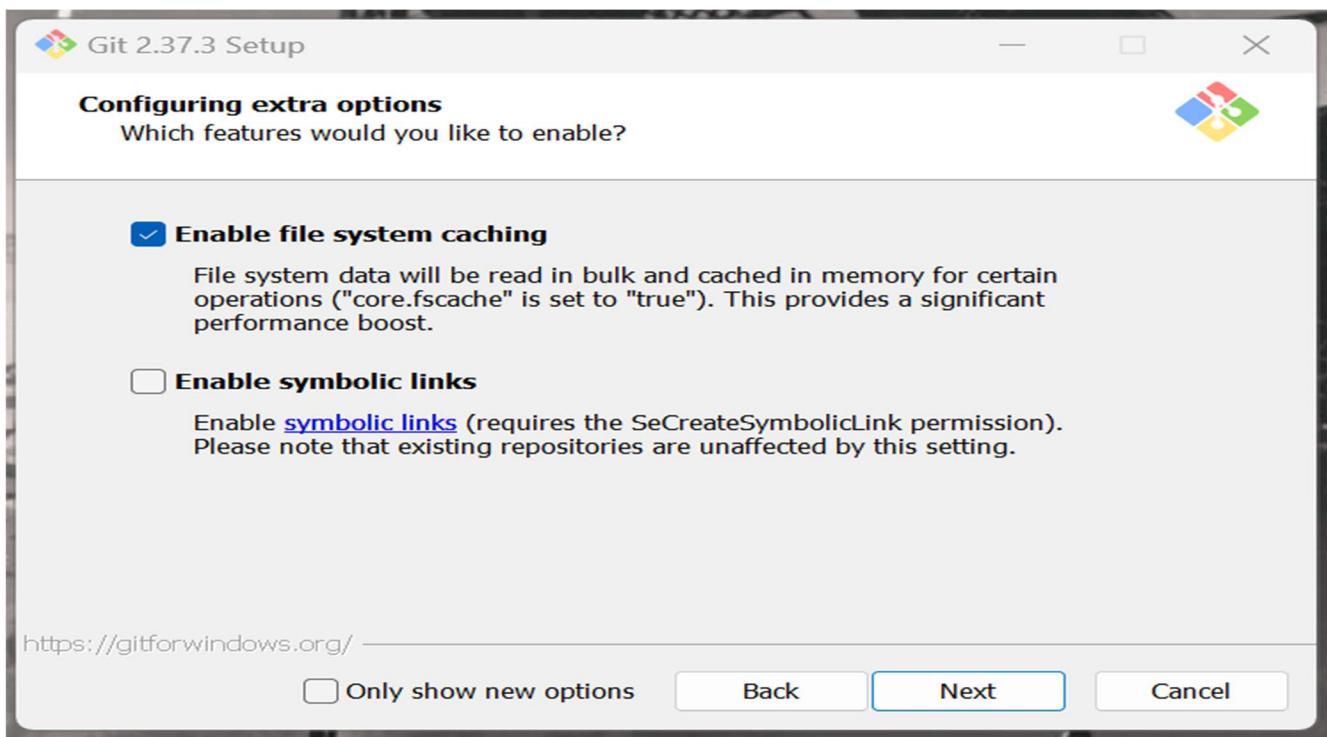




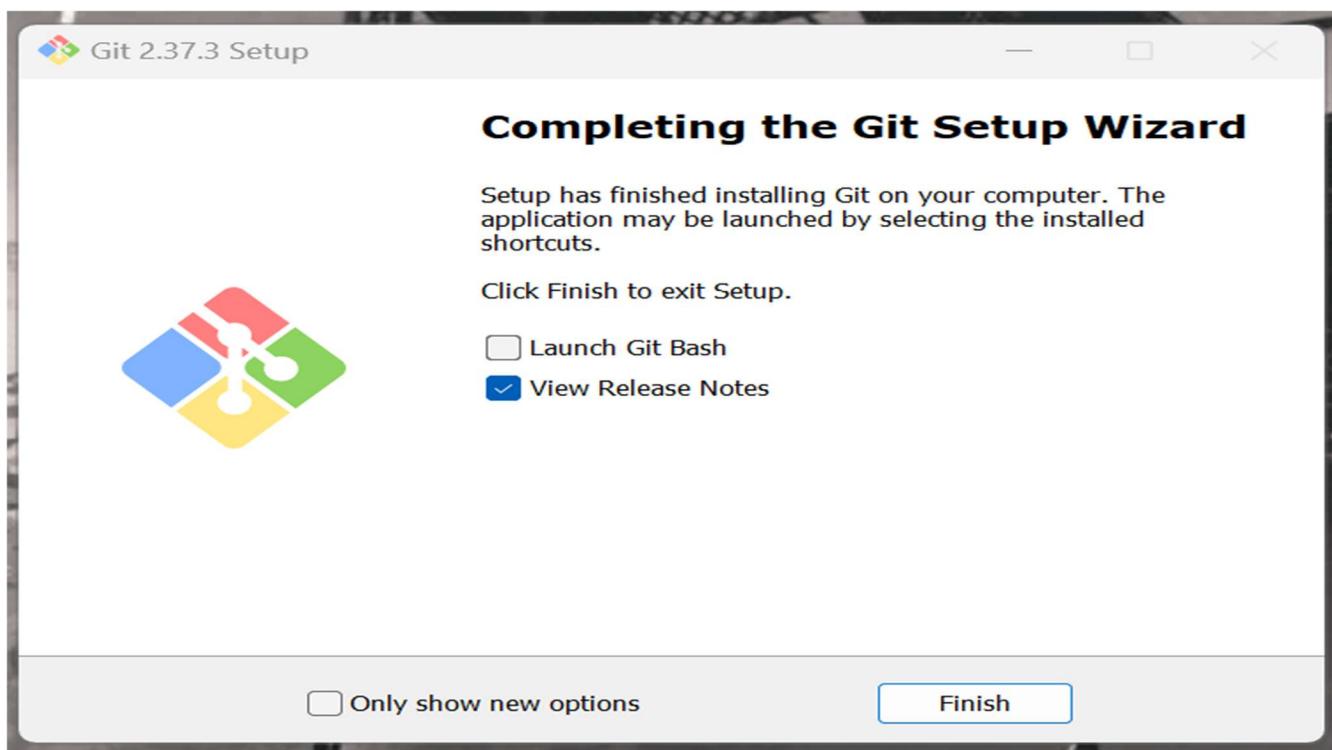
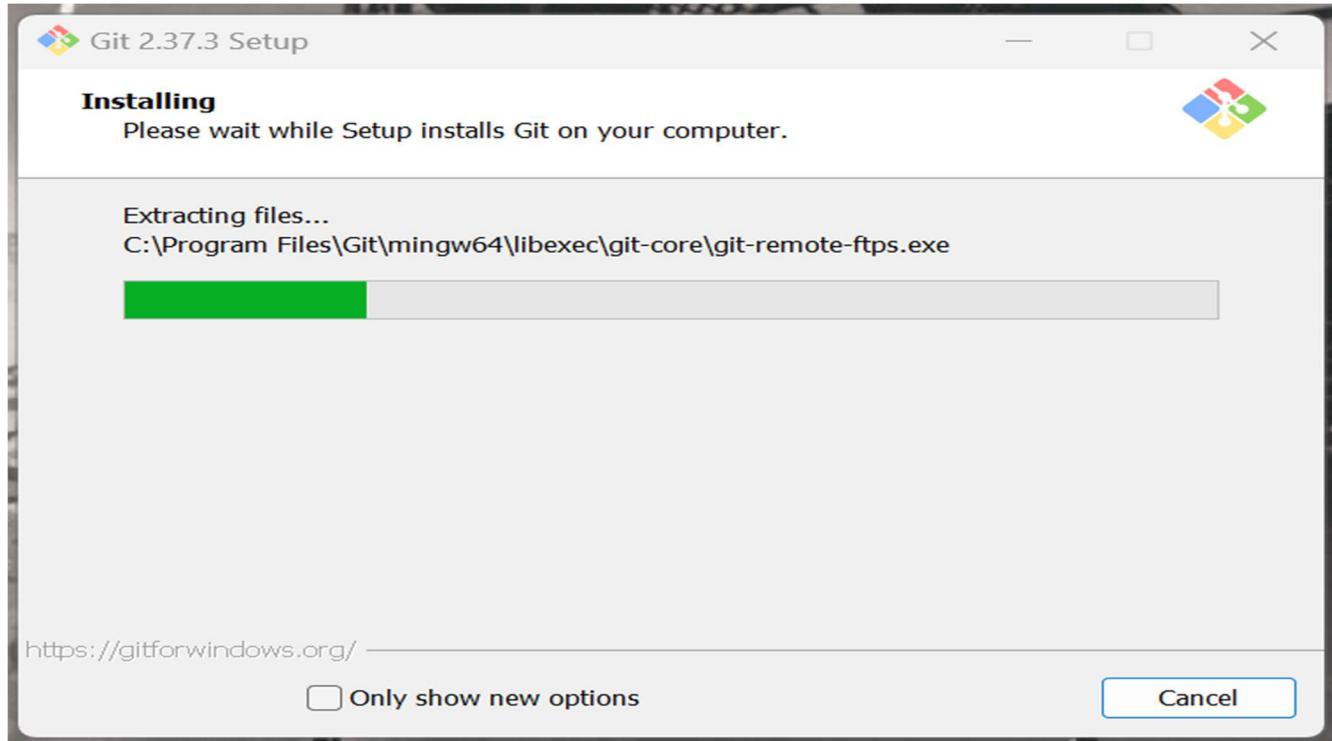




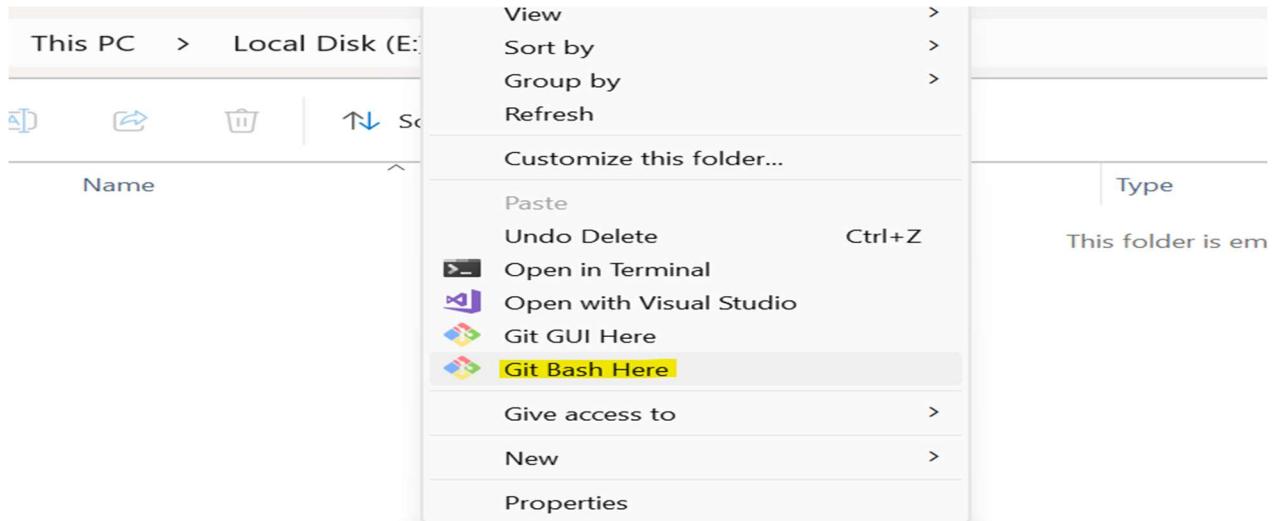




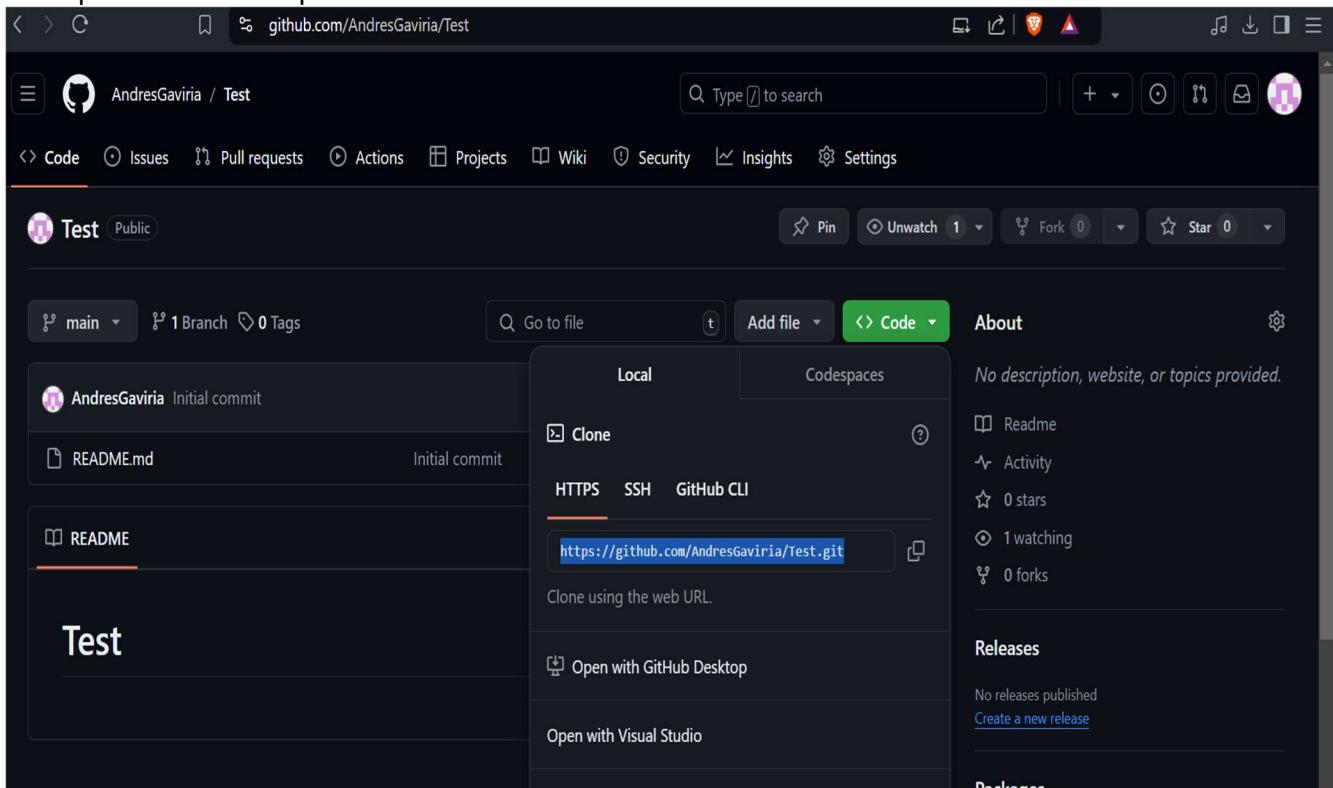
Esperar



Buscar la carpeta donde se almacenara la copia, clic derecho, propiedades GIT BASH

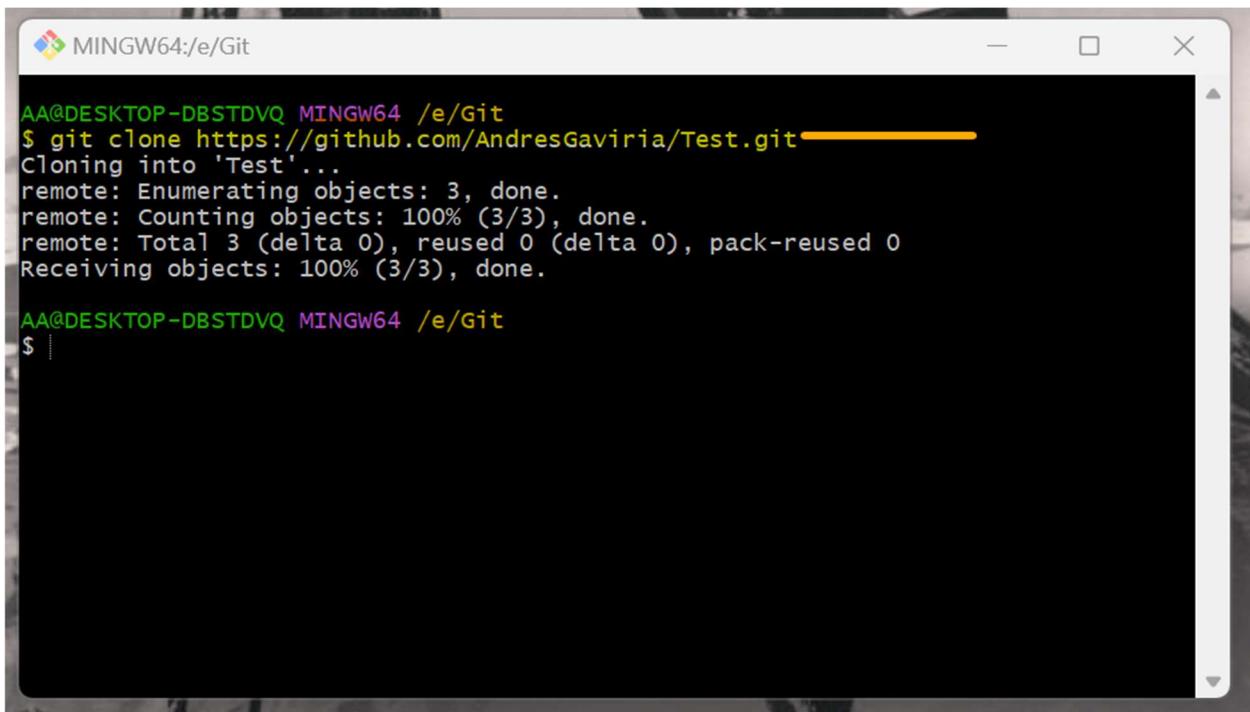


Copiar la URL del repositorio



The screenshot shows a GitHub repository page for 'AndresGaviria/Test'. The 'Code' tab is selected. A context menu is open over the 'Clone' button, highlighting the 'https' link: <https://github.com/AndresGaviria/Test.git>. The repository has 1 branch and 0 tags. It contains files 'README.md' and 'README'. The repository has 0 stars, 1 watching, and 0 forks. There are no releases published.

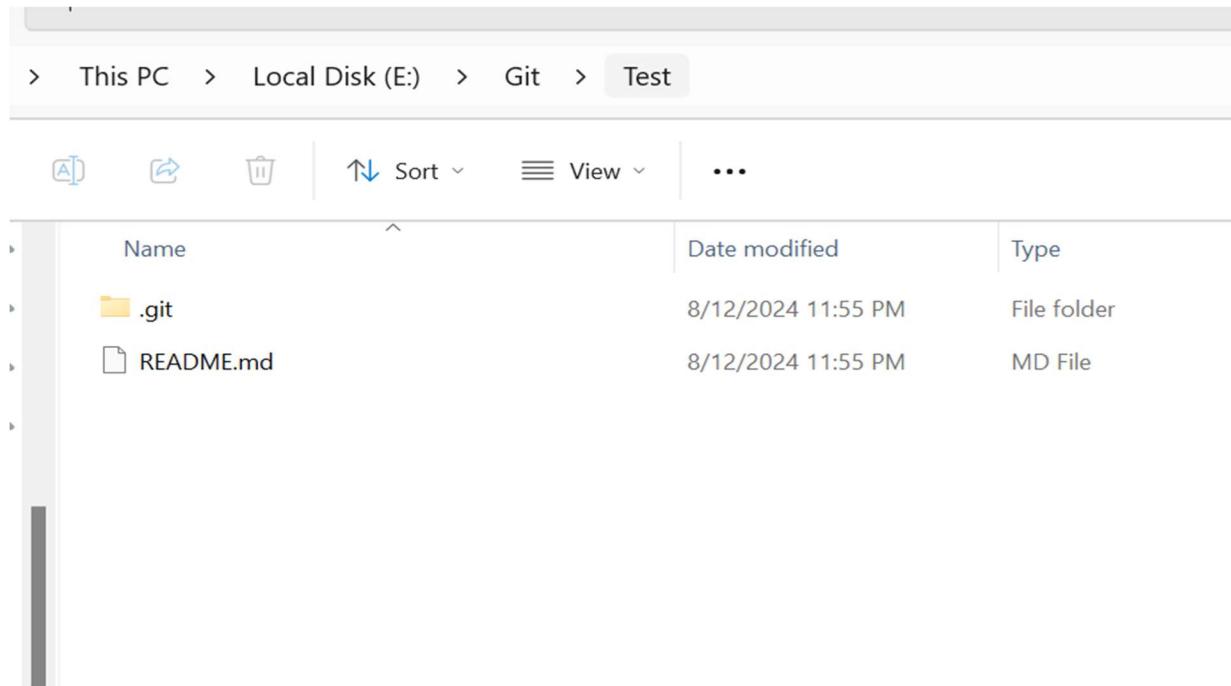
Clonar el repositorio creado en la máquina local



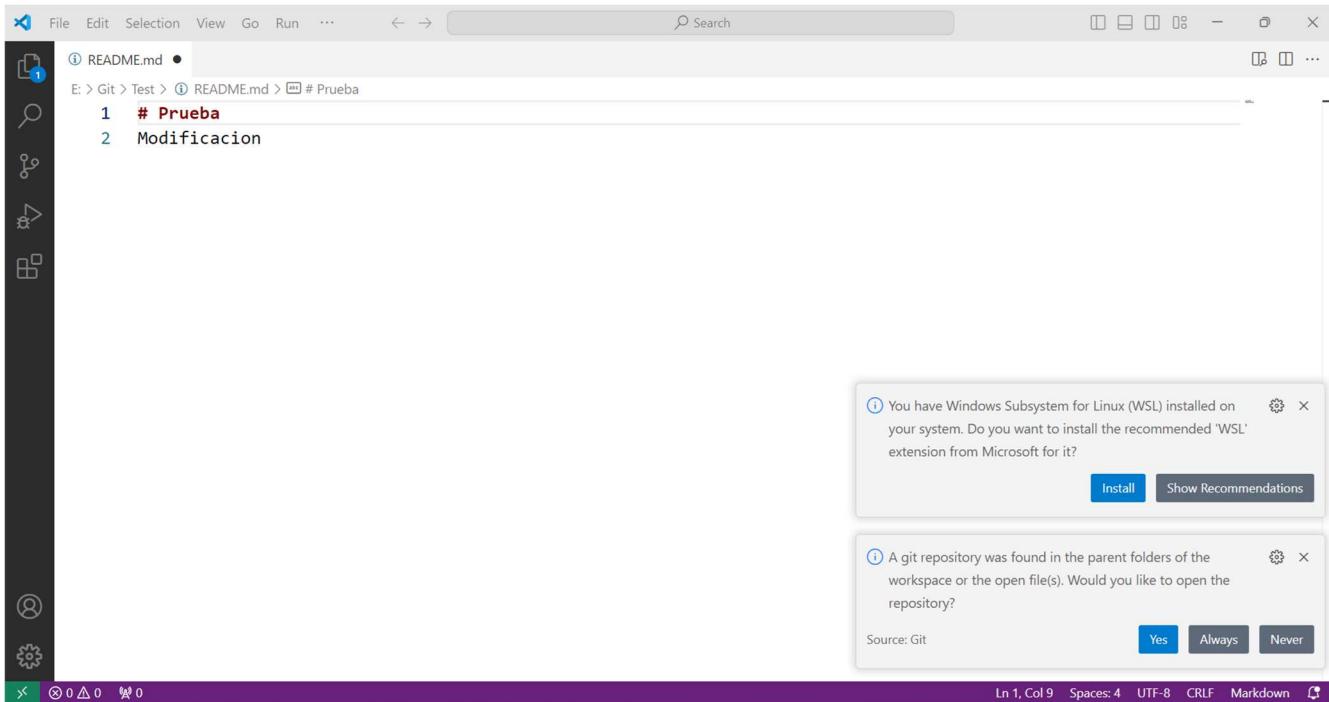
```
AA@DESKTOP-DBSTDVQ MINGW64 /e/Git
$ git clone https://github.com/AndresGaviria/Test.git
Cloning into 'Test'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.

AA@DESKTOP-DBSTDVQ MINGW64 /e/Git
$
```

Resultado de la clonación



> This PC > Local Disk (E:) > Git > Test			
A ... Sort View ...			
Name	Date modified	Type	
.git	8/12/2024 11:55 PM	File folder	
README.md	8/12/2024 11:55 PM	MD File	

Editar el archivo **Readme**

```
① README.md •  
E: > Git > Test > ① README.md > # Prueba  
1 # Prueba  
2 Modificacion
```

① You have Windows Subsystem for Linux (WSL) installed on your system. Do you want to install the recommended 'WSL' extension from Microsoft for it?
Install Show Recommendations

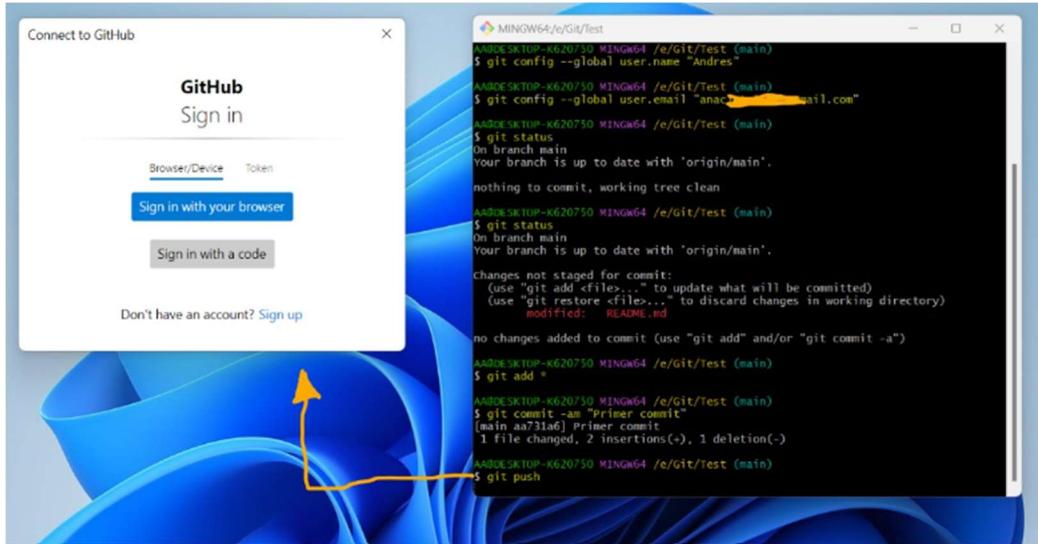
① A git repository was found in the parent folders of the workspace or the open file(s). Would you like to open the repository?
Source: Git
Yes Always Never

Ln 1, Col 9 Spaces: 4 UTF-8 CRLF Markdown

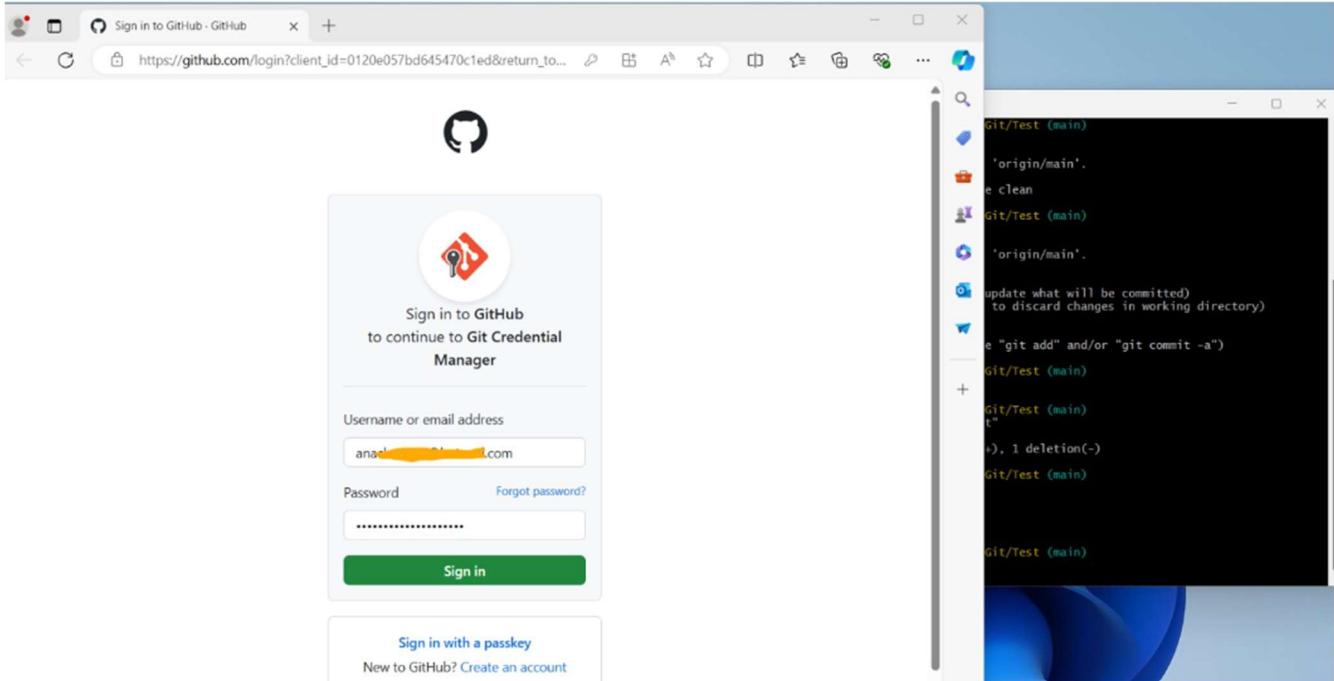
Seleccionar la carpeta del repositorio y validar las modificaciones en la ventana de comandos

```
AA@DESKTOP-DBSTDVQ MINGW64 /e/Git  
$ cd Test  
  
AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)  
$ 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: README.md  
  
no changes added to commit (use "git add" and/or "git commit -a")
```

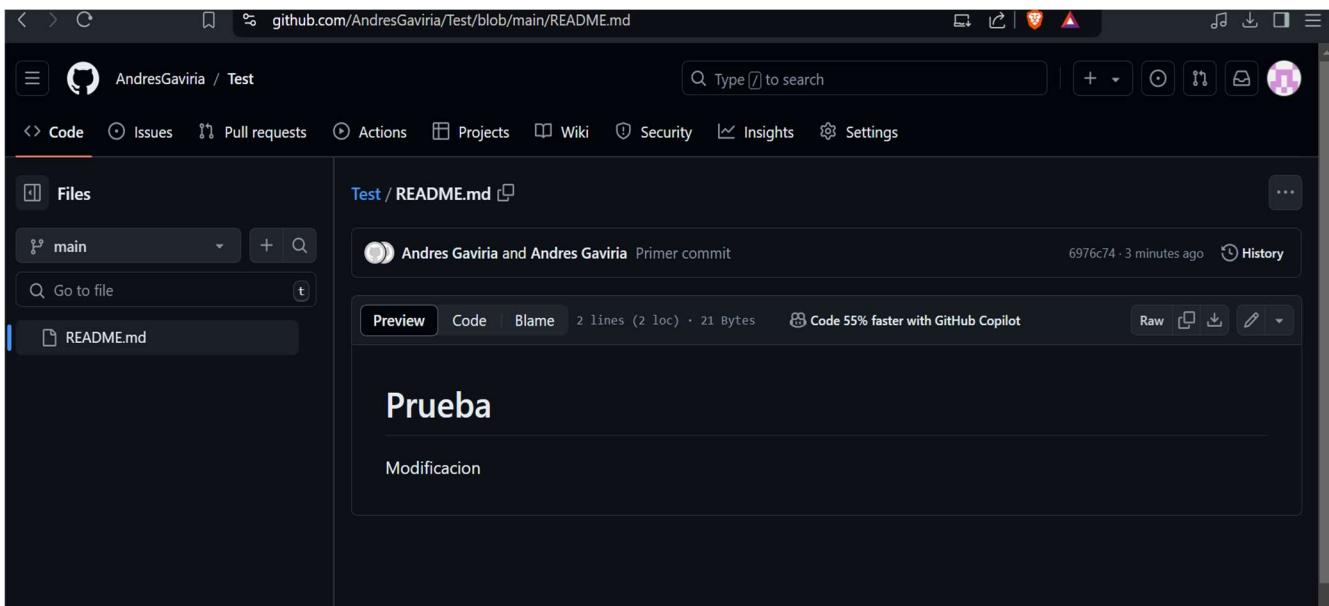
Configuramos el usuario y el email, Agregamos todos los archivos modificados (git add) y tratamos de hacer el commit (Snapshot), y subimos los cambios (git push), Agregamos la cuenta



Ingresamos email y contraseña



Validación en la página de GitHub

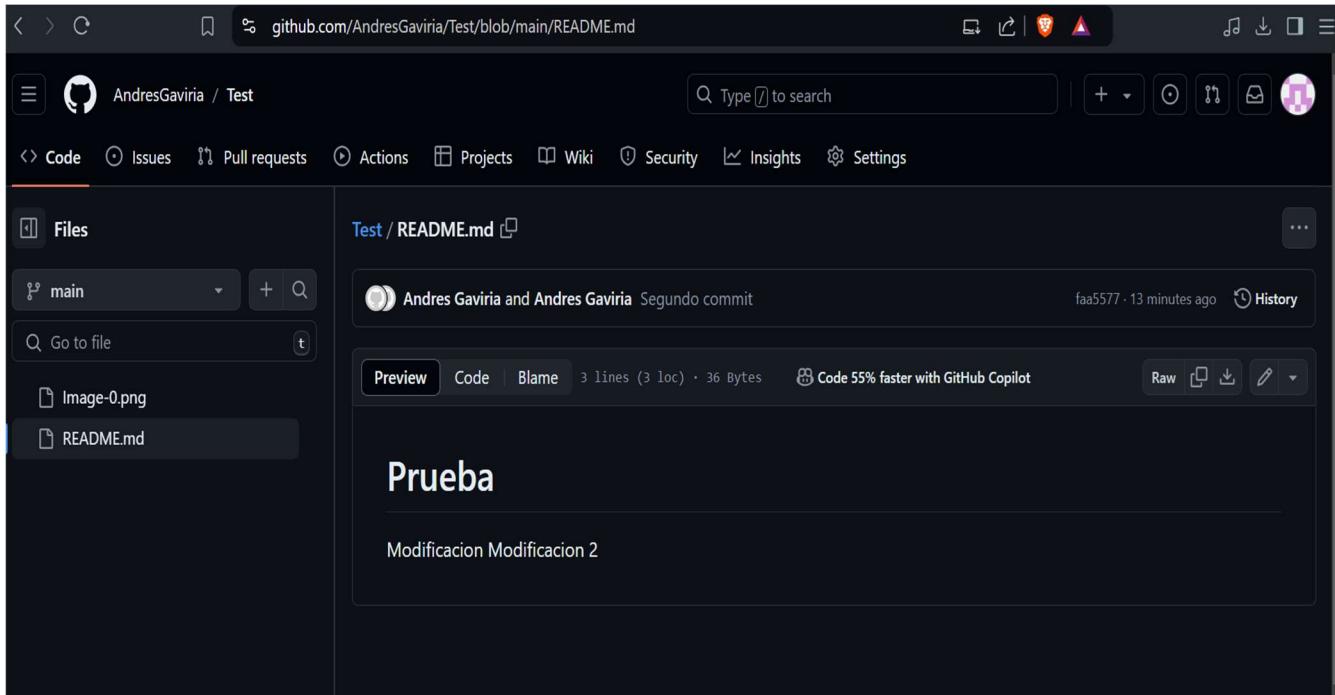


The screenshot shows a GitHub repository named 'Test'. The 'Files' sidebar on the left shows a single file named 'README.md'. The main content area displays the file's content, which consists of two lines: 'Prueba' and 'Modificacion'. The GitHub interface includes a navigation bar with links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. A search bar at the top right says 'Type [] to search'. Below the search bar are various icons for repository management.

Subir los cambios al repositorio

```
AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Writing objects: 100% (3/3), 278 bytes | 278.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/AndresGaviria/Test.git
 e156505..6976c74  main -> main
```

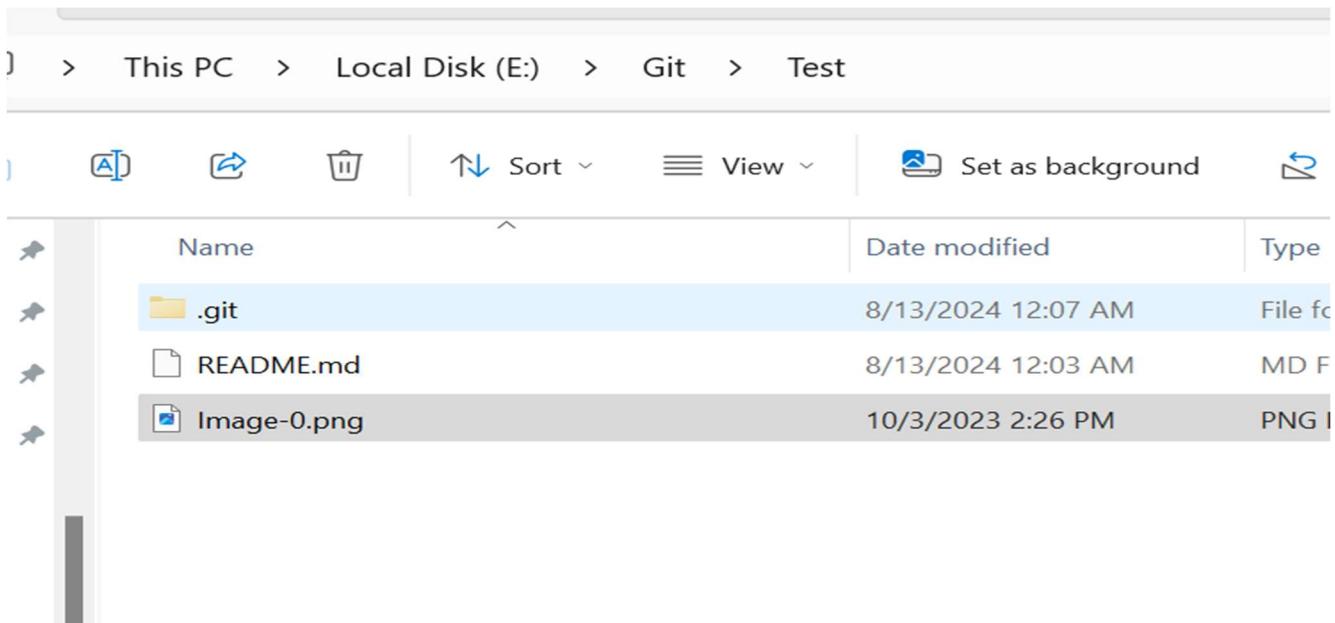
Validación del archivo modificado en GitHub



The screenshot shows a GitHub repository page for 'AndresGaviria / Test'. The 'Code' tab is selected. On the left sidebar, files 'main' and 'README.md' are listed. The main content area shows the 'Test / README.md' file with the following content:

```
Prueba
Modificacion Modificacion 2
```

Agregar un archivo a la carpeta para modificar el repositorio



The screenshot shows a Windows File Explorer window with the following path: This PC > Local Disk (E:) > Git > Test. The folder structure is as follows:

Name	Date modified	Type
.git	8/13/2024 12:07 AM	File folder
README.md	8/13/2024 12:03 AM	MD File
Image-0.png	10/3/2023 2:26 PM	PNG Image

Validar estado de la copia local, agregar el archivo (Imagen), Snapshot del cambio (Commit) y finalmente se sube el archivo al repositorio en GitHub

```
MINGW64:/e/Git/Test
AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    Image-0.png

nothing added to commit but untracked files present (use "git add" to track)

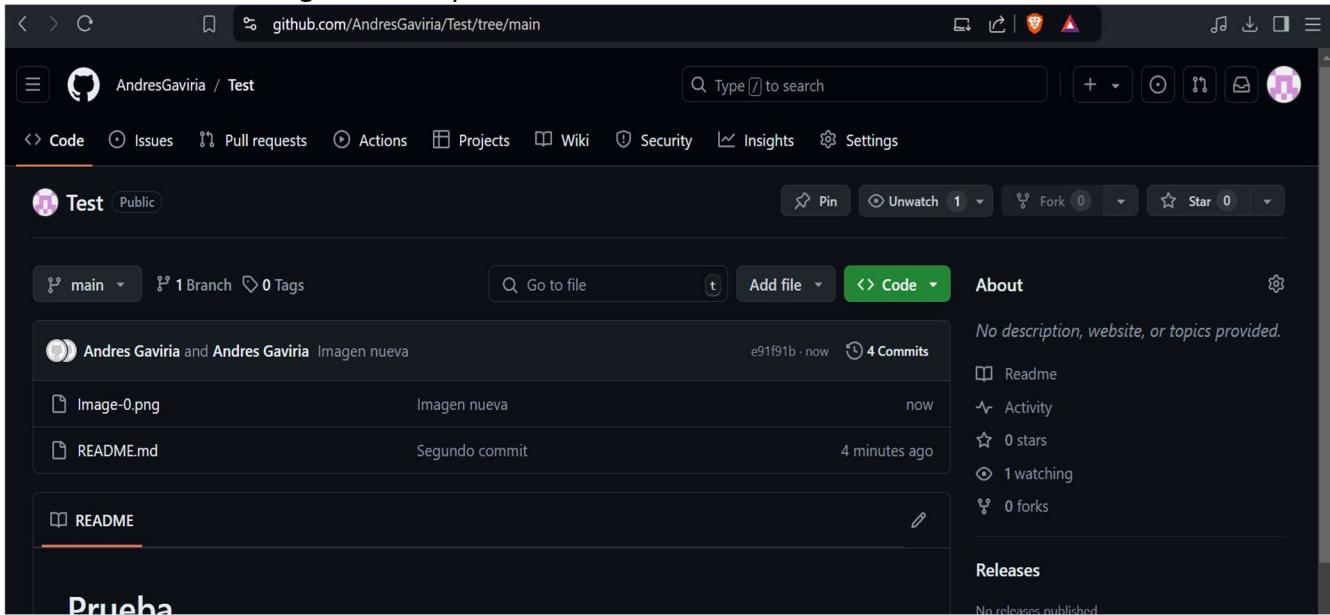
AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$ git add Image-0.png

AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$ git commit -m "Imagen nueva" Image-0.png
[main e91f91b] Imagen nueva
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Image-0.png

AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$ git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 810.48 KiB | 27.02 MiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/AndresGaviria/Test.git
  faa5577..e91f91b  main -> main

AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$
```

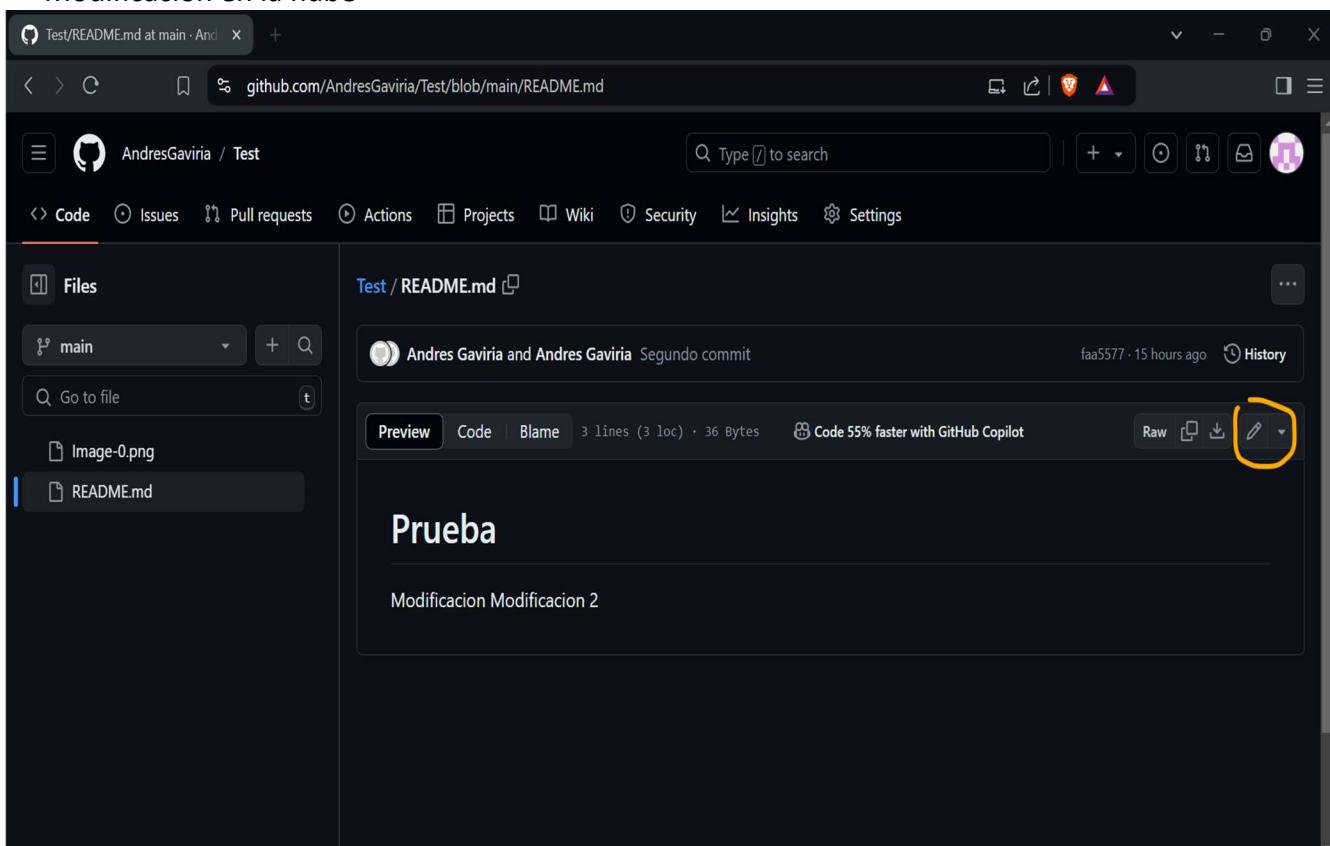
Resultado de la imagen en el repositorio en la nube



The screenshot shows a GitHub repository page for 'AndresGaviria/Test'. The repository has 1 branch and 0 tags. The main file listed is 'Prueba'. The content of 'Prueba' is:

```
Prueba
```

Modificación en la nube

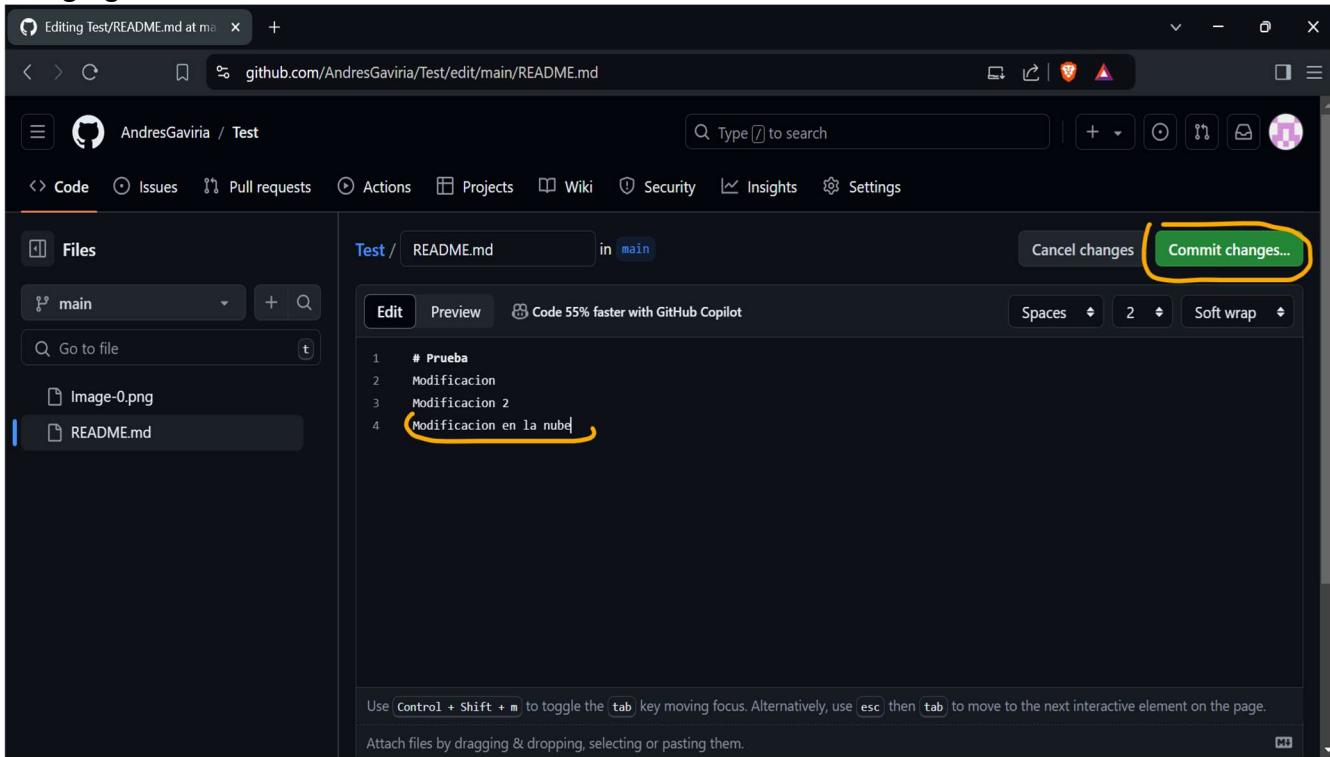


The screenshot shows the 'README.md' file in the 'Test' repository. The file content is:

```
Prueba
Modificacion Modificacion 2
```

A yellow circle highlights the edit icon (pencil) in the toolbar at the bottom right of the editor.

Agregar un texto

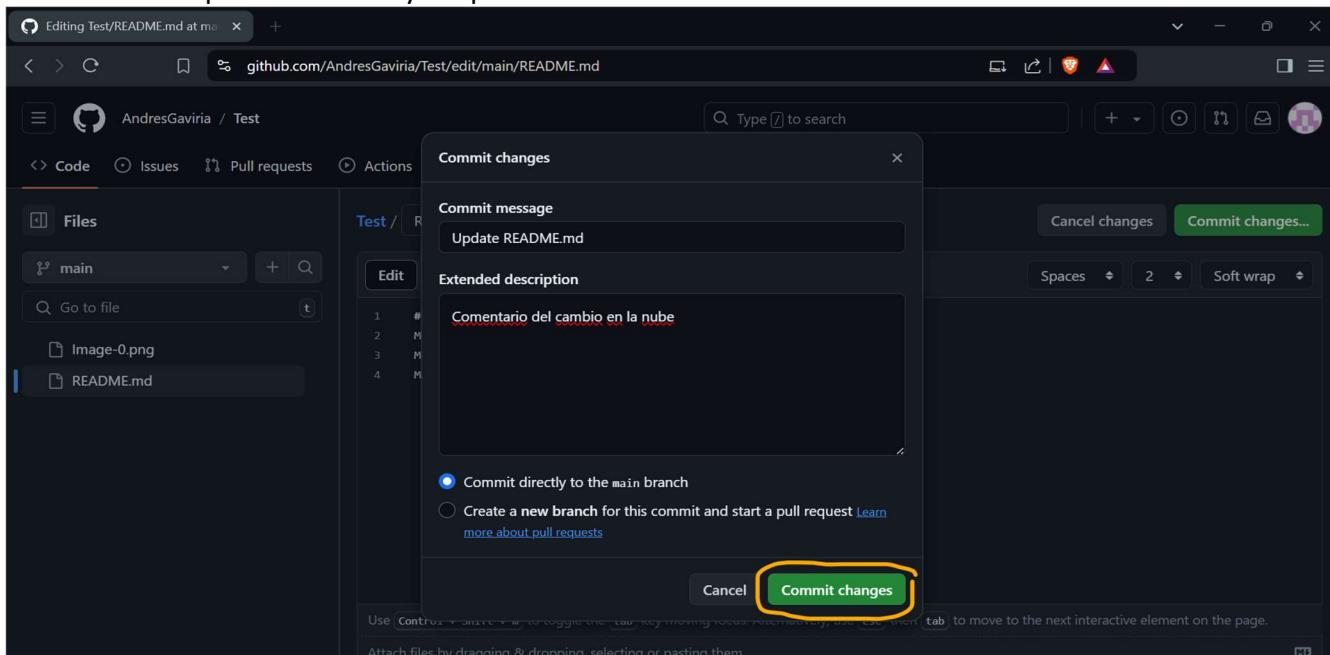


The screenshot shows the GitHub interface for editing a README.md file. The file content is:

```
1 # Prueba
2 Modificacion
3 Modificacion 2
4 Modificacion en la nube
```

The last line, "Modificacion en la nube", is circled in yellow. The "Commit changes..." button at the top right of the editor is also circled in yellow.

Comentario para el cambio y aceptar los cambios



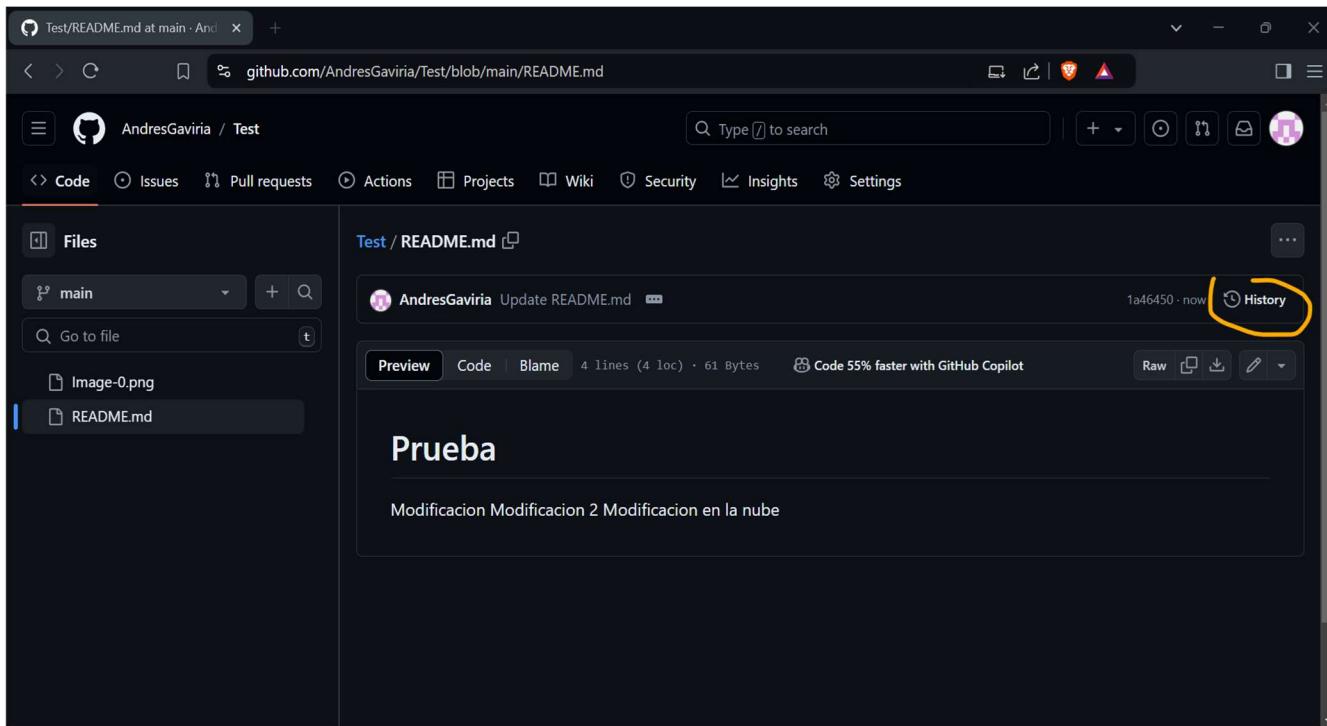
The screenshot shows the GitHub commit dialog. The commit message field contains:

Commit message
Update README.md

Extended description
Comentario del cambio en la nube

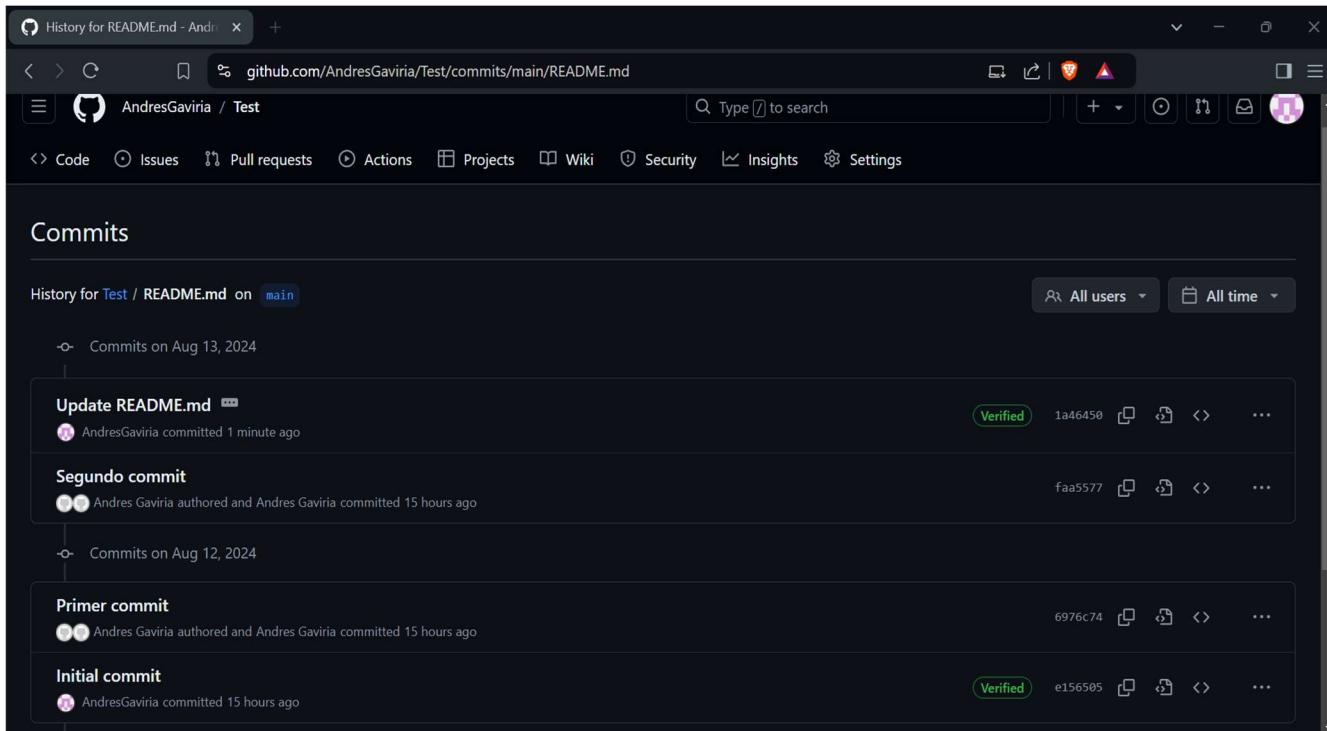
The "Commit directly to the main branch" radio button is selected. The "Commit changes" button at the bottom right of the dialog is circled in yellow.

Validación visual del cambio, ingreso a historial de cambios



The screenshot shows a GitHub repository page for 'Test'. The left sidebar lists files: 'main' (selected), 'Image-0.png', and 'README.md'. The main area displays the content of 'README.md' with the title 'Prueba' and the text 'Modificacion Modificacion 2 Modificacion en la nube'. At the top right of the commit card, there is a 'History' button, which is circled in yellow.

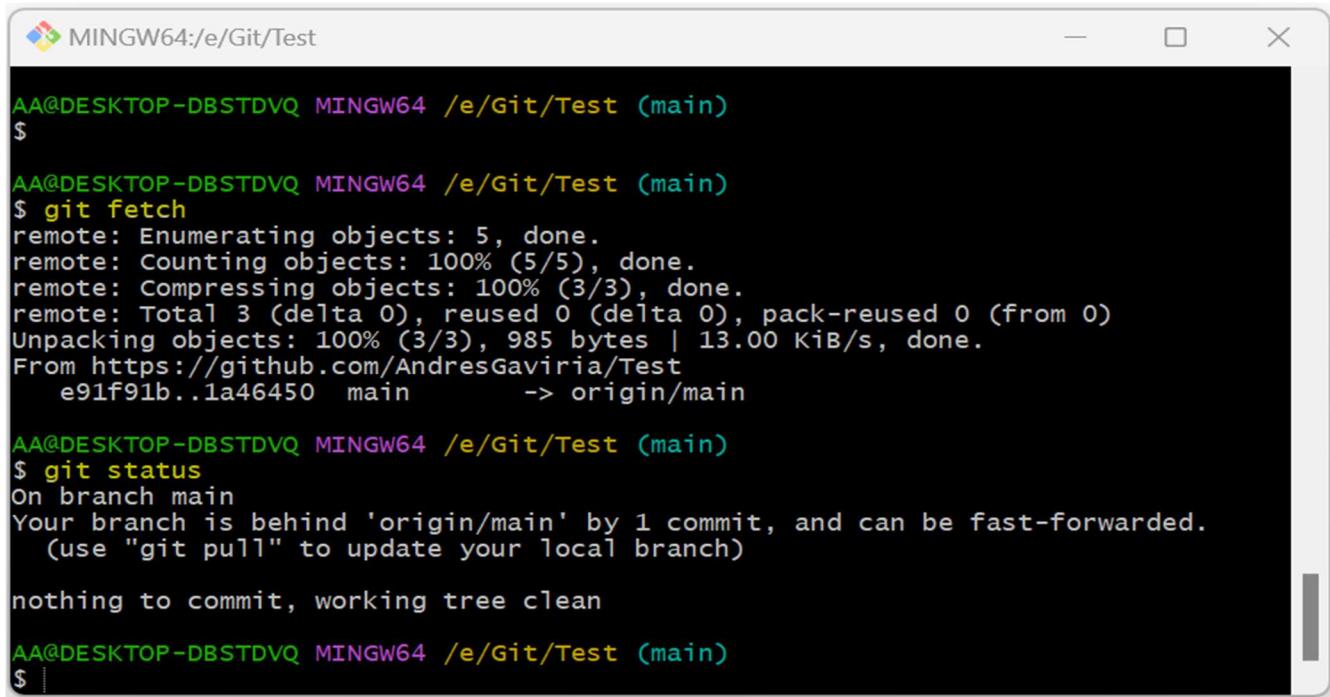
Histórico de cambios sobre el archivo README.md



The screenshot shows the detailed commit history for 'README.md' in the 'Test' repository. It lists four commits:

- Update README.md** (AndresGaviria, 1 minute ago, Verified, 1a46450) - The commit message is "Update README.md".
- Segundo commit** (Andres Gaviria, 15 hours ago, faa5577) - The commit message is "Segundo commit".
- Primer commit** (Andres Gaviria, 15 hours ago, 6976c74) - The commit message is "Primer commit".
- Initial commit** (AndresGaviria, 15 hours ago, e156505) - The commit message is "Initial commit".

Descargar el contenido remoto sin modificar el estado del repositorio (git fetch), con el git status validamos que hay un cambio pendiente



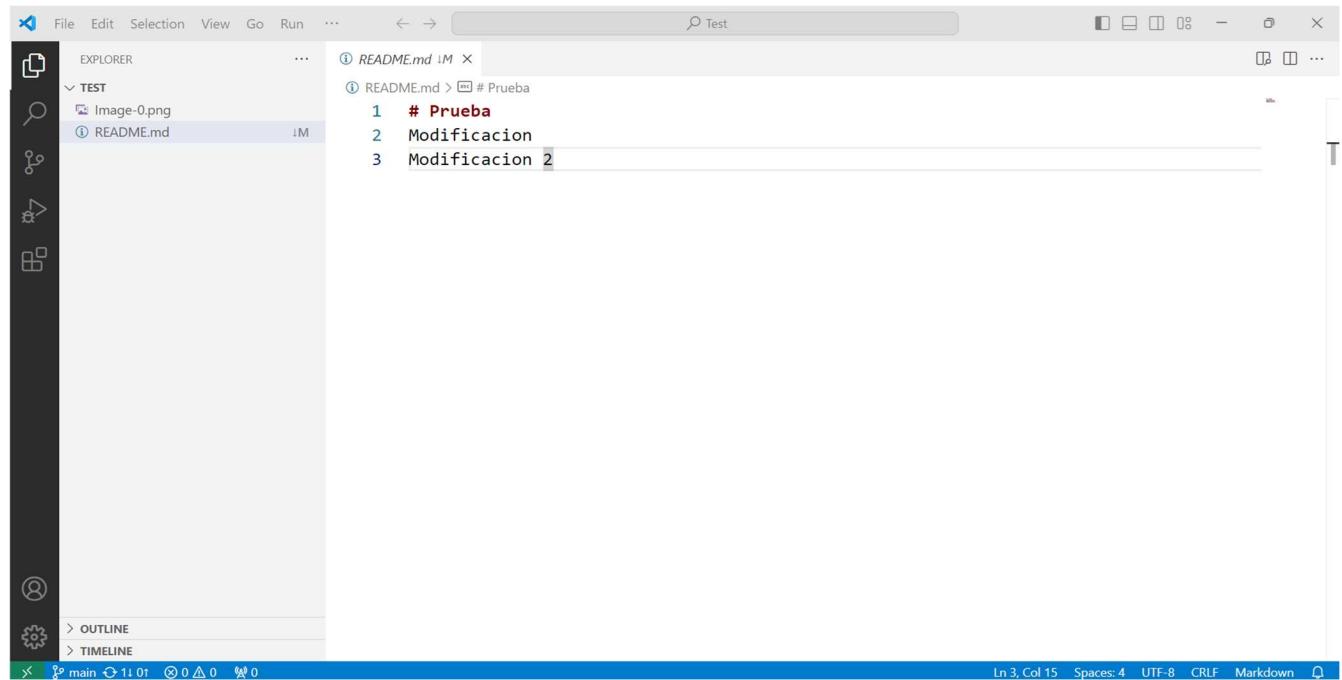
```
AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$ git fetch
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 985 bytes | 13.00 KiB/s, done.
From https://github.com/AndresGaviria/Test
  e91f91b..1a46450 main      -> origin/main

AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$ git status
On branch main
Your branch is behind 'origin/main' by 1 commit, and can be fast-forwarded.
  (use "git pull" to update your local branch)

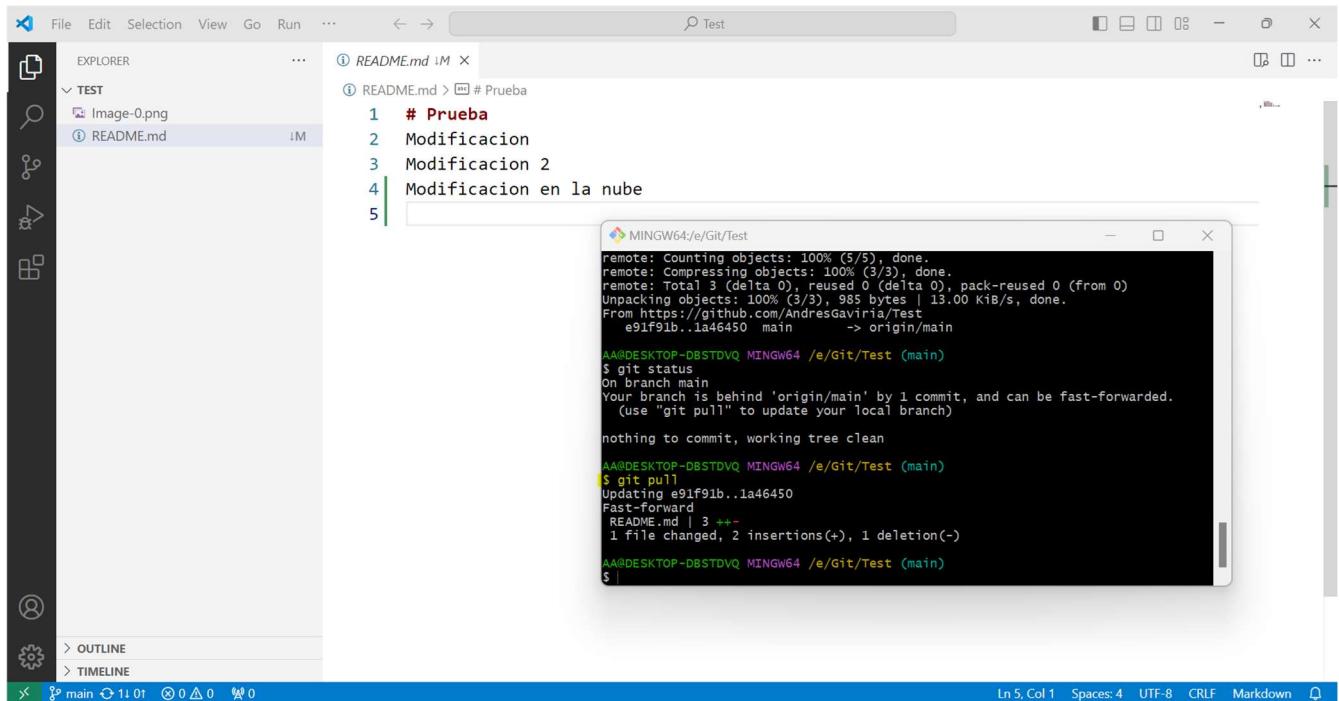
nothing to commit, working tree clean

AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$
```

Al ver el archivo vemos que no se ve reflejado aún el cambio en nuestro repositorio local



git pull para extraer (descargar y extraer) los cambios, validación en el archivo



The screenshot shows a Git interface with a commit history and a terminal window. The commit history includes:

```
① README.md :M 
② README.md > [ ] # Prueba
  1 # # Prueba
  2 Modificacion
  3 Modificacion 2
  4 Modificacion en la nube
```

The terminal window shows the output of a git pull command:

```
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 985 bytes 13.00 KiB/s, done.
From https://github.com/AndresGaviria/test
 * [new branch] main      -> origin/main

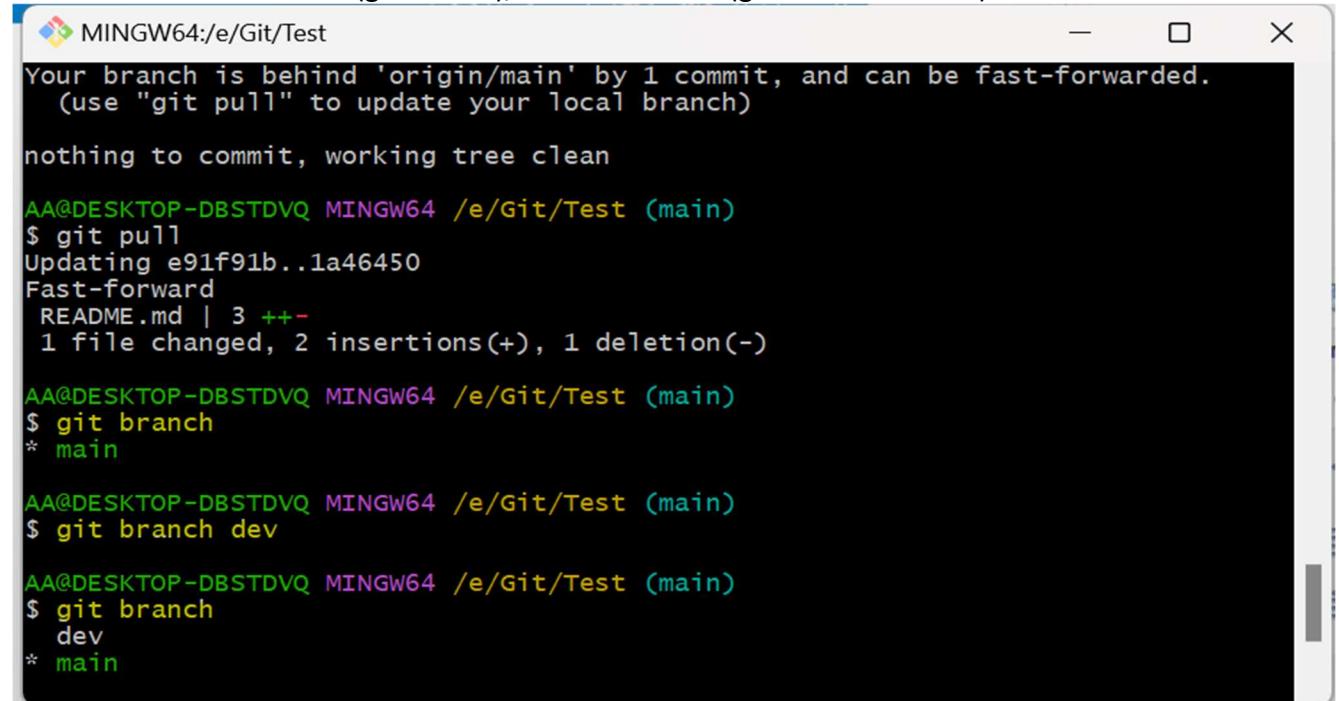
AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$ git status
On branch main
Your branch is behind 'origin/main' by 1 commit, and can be fast-forwarded.
  (use "git pull" to update your local branch)

nothing to commit, working tree clean

AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$ git pull
Updating e91f91b..1a46450
Fast-forward
 README.md | 3 +++
 1 file changed, 2 insertions(+), 1 deletion(-)

AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$
```

Ver cuantas ramas existen (git branch), Crear una rama (git branch nombre)



```
AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test
Your branch is behind 'origin/main' by 1 commit, and can be fast-forwarded.
  (use "git pull" to update your local branch)

nothing to commit, working tree clean

AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$ git pull
Updating e91f91b..1a46450
Fast-forward
 README.md | 3 +++
 1 file changed, 2 insertions(+), 1 deletion(-)

AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$ git branch
* main

AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$ git branch dev

AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$ git branch
  dev
* main
```

Seleccionar la rama (git checkout nombré), aceptar el snapshot

```
MINGW64:/e/Git/Test
AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$ git checkout dev
Switched to branch 'dev'

AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (dev)
$ git status
On branch dev
nothing to commit, working tree clean

AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (dev)
$ git commit
On branch dev
nothing to commit, working tree clean

AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (dev)
$ git status
On branch dev
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:   README.md

no changes added to commit (use "git add" and/or "git commit -a")

AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (dev)
$ git commit -m "Cambio en la rama" README.md
[dev 9cc8325] Cambio en la rama
 1 file changed, 2 insertions(+)
```

Subir la rama

```
AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (dev)
$ git push -u origin head
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 335 bytes | 335.00 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.
remote:
remote: Create a pull request for 'dev' on GitHub by visiting:
remote:     https://github.com/AndresGaviria/Test/pull/new/dev
remote:
To https://github.com/AndresGaviria/Test.git
 * [new branch]      head -> dev
branch 'dev' set up to track 'origin/dev'.
```

Validación de las dos ramas

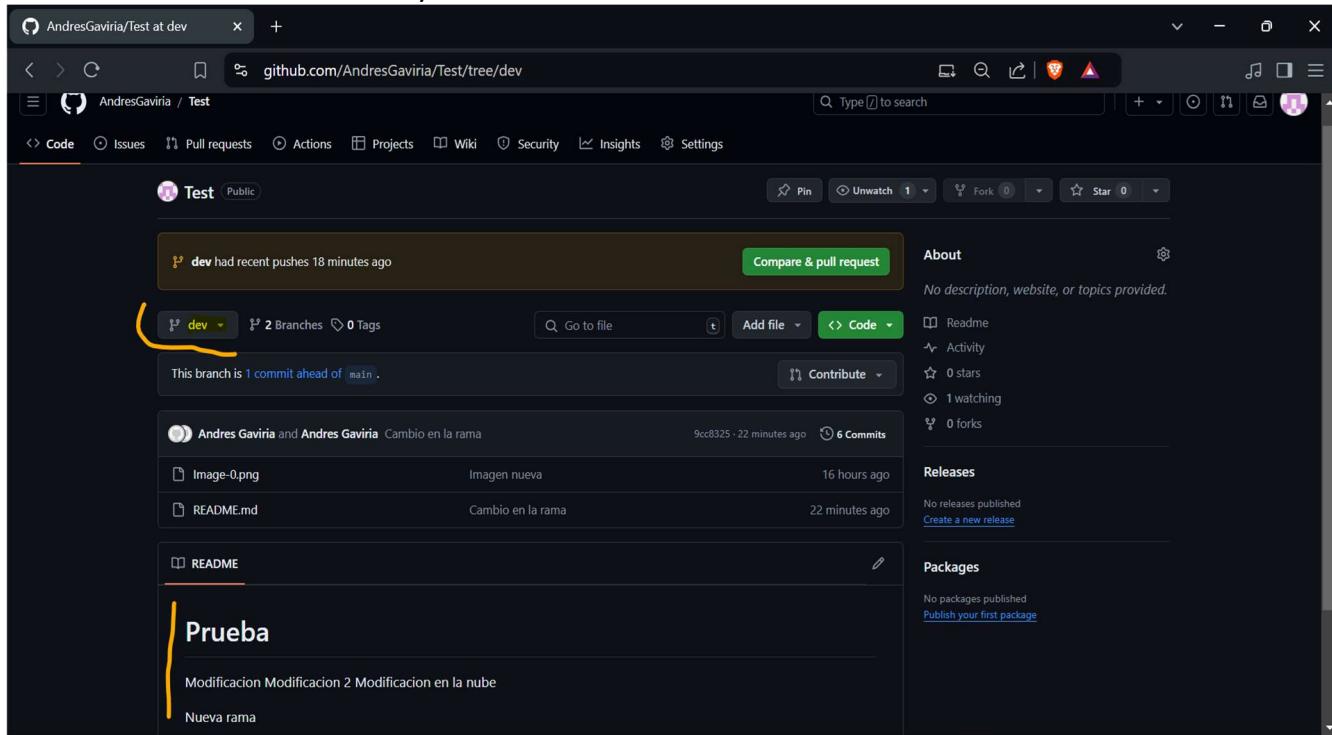
The screenshot shows a GitHub repository named 'AndresGaviria/Test'. The main branch is 'main', and there are 2 branches in total. The repository has 5 commits. The README file contains the text 'Prueba' and 'Modificacion Modificacion 2 Modificacion en la nube'. The repository details show 1 star, 1 watching, and 0 forks.

Cambio de a la segunda rama

The screenshot shows the same GitHub repository 'AndresGaviria/Test'. Now, the 'dev' branch is selected, indicated by a green background. The 'main' branch is dimmed. The repository details remain the same: 1 star, 1 watching, and 0 forks.

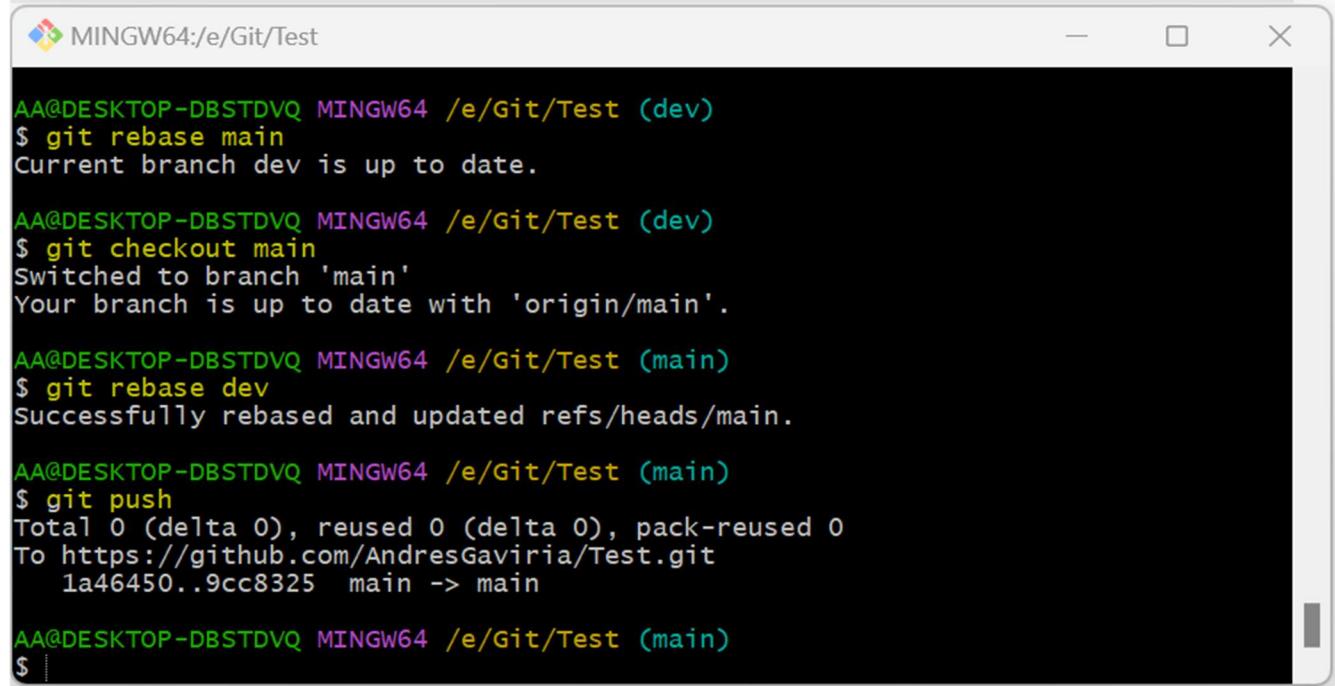
<https://github.com/AndresGaviria/Test/tree/dev>

Validación de la rama “Dev” y el cambio en el README.md



A screenshot of a GitHub repository page for 'Test'. The repository has 2 branches and 0 tags. The 'dev' branch is selected. A yellow arrow points to the 'dev' dropdown menu. The 'About' section indicates no description, website, or topics provided. The 'Code' tab is selected. The 'README' file shows the content 'Prueba'. The commit history shows a commit from 'Andres Gaviria' and 'Andres Gaviria' titled 'Cambio en la rama' made 22 minutes ago. The commit message includes 'Modificacion Modificacion 2 Modificacion en la nube'.

Enviar los cambios de “Dev” a “Main”



```
AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (dev)
$ git rebase main
Current branch dev is up to date.

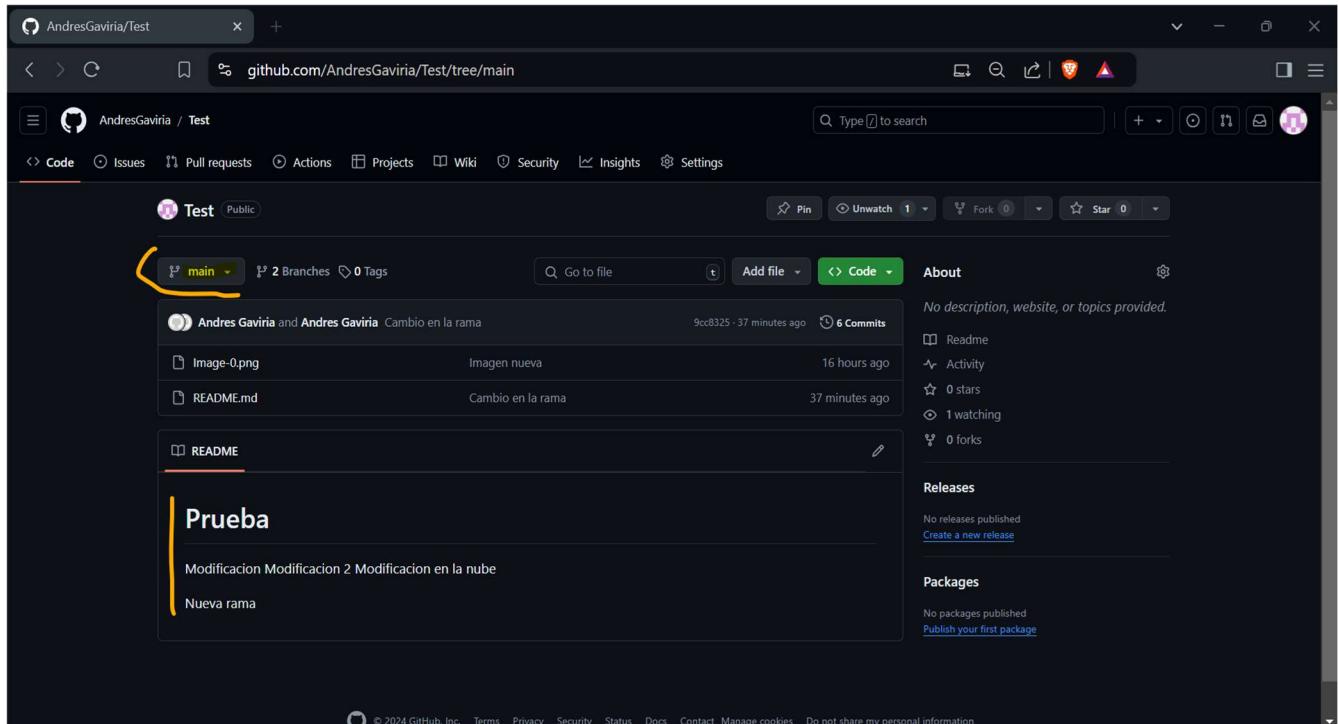
AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (dev)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$ git rebase dev
Successfully rebased and updated refs/heads/main.

AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$ git push
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/AndresGaviria/Test.git
  1a46450..9cc8325  main -> main

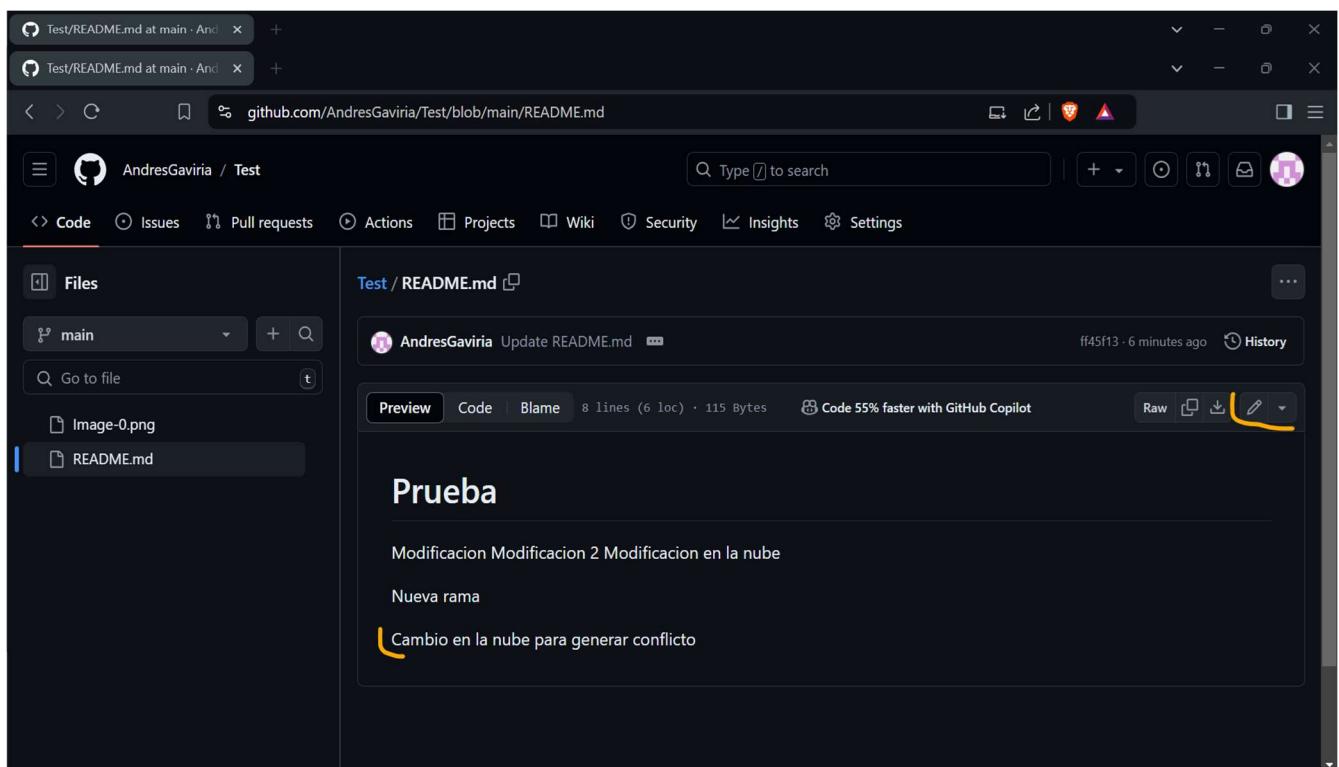
AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$
```

Validación en Main



The screenshot shows a GitHub repository named 'Test' under the user 'AndresGaviria'. The 'main' branch is selected, indicated by a yellow bracket. The repository contains two files: 'Image-0.png' and 'README.md'. A commit from 'Andres Gaviria and Andres Gaviria' titled 'Cambio en la rama' was made 37 minutes ago. The commit message includes 'Modificacion Modificacion 2 Modificacion en la nube' and 'Nueva rama'. The README file content is 'Prueba'.

Cambio en dos partes para generar conflicto, Cambio en la nube



The screenshot shows a GitHub repository named 'Test' under the user 'AndresGaviria'. The 'main' branch is selected, indicated by a yellow bracket. The repository contains two files: 'Image-0.png' and 'README.md'. A commit from 'AndresGaviria' titled 'Update README.md' was made 6 minutes ago. The commit message includes 'Modificacion Modificacion 2 Modificacion en la nube' and 'Nueva rama'. The README file content is 'Prueba'. In the bottom right corner of the README preview, there is a yellow bracket pointing to the edit icon.

Después de realizar un cambio en el archivo local, Snapshot del cambio local

```
MINGW64:/e/Git/Test
AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$ 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:   README.md

no changes added to commit (use "git add" and/or "git commit -a")

AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$ git commit -m "Cambio local para provocar merge" README.md
[main a8c7519] Cambio local para provocar merge
 1 file changed, 3 insertions(+), 1 deletion(-)
```

Error por cambio pendiente por subir y por descargar

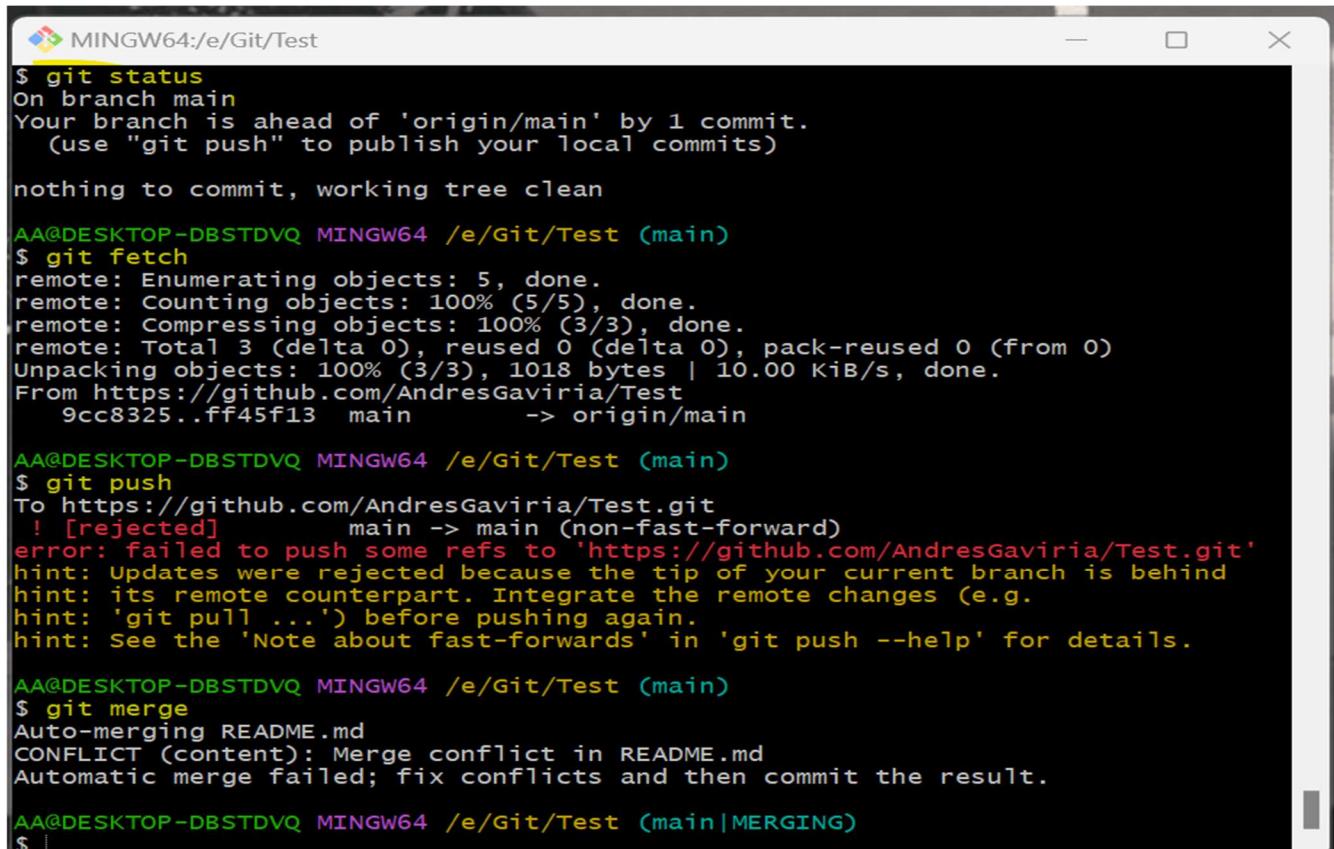
```
MINGW64:/e/Git/Test
$ 
AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$ git push
To https://github.com/AndresGaviria/Test.git
 ! [rejected]      main -> main (fetch first)
error: failed to push some refs to 'https://github.com/AndresGaviria/Test.git'
hint: Updates were rejected because the remote contains work that you do
hint: not have locally. This is usually caused by another repository pushing
hint: to the same ref. You may want to first integrate the remote changes
hint: (e.g., 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.

AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$
```

Obtenemos los cambios del servidor y tratamos de subir los cambios, pero se genera un conflicto



```
MINGW64:/e/Git/Test
$ 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

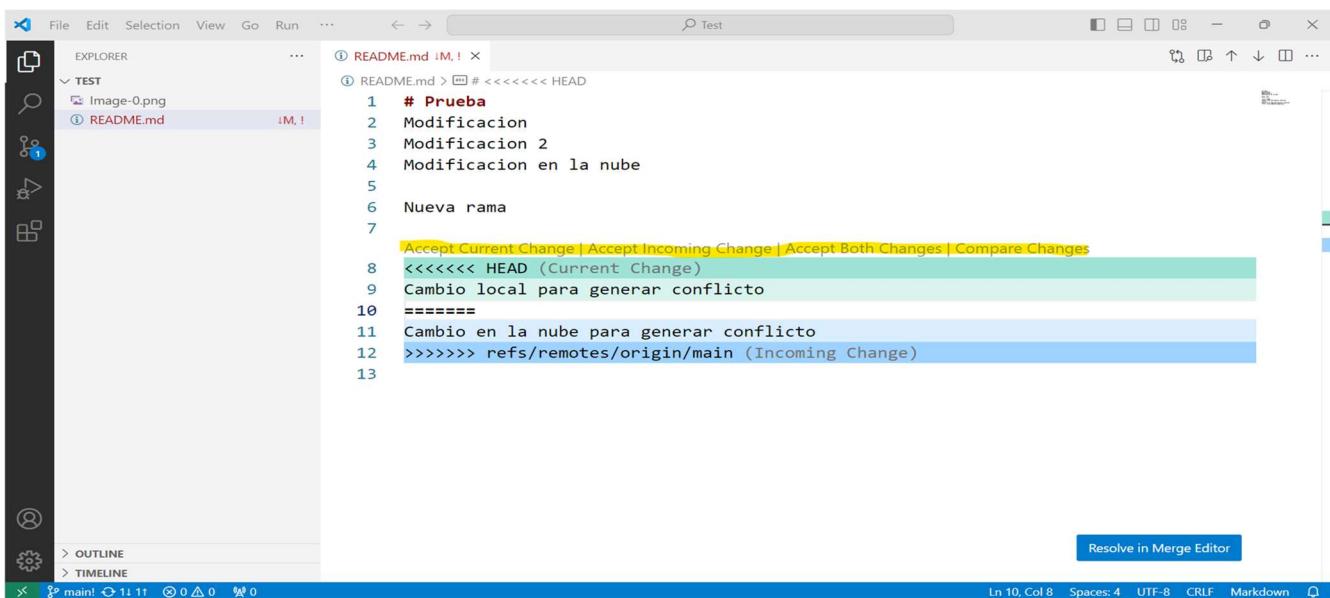
AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$ git fetch
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 1018 bytes | 10.00 KiB/s, done.
From https://github.com/AndresGaviria/Test
  9cc8325..ff45f13  main      -> origin/main

AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$ git push
To https://github.com/AndresGaviria/Test.git
 ! [rejected]      main -> main (non-fast-forward)
error: failed to push some refs to 'https://github.com/AndresGaviria/Test.git'
hint: Updates were rejected because the tip of your current branch is behind
hint: its remote counterpart. Integrate the remote changes (e.g.
hint: 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.

AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$ git merge
Auto-merging README.md
CONFLICT (content): Merge conflict in README.md
Automatic merge failed; fix conflicts and then commit the result.

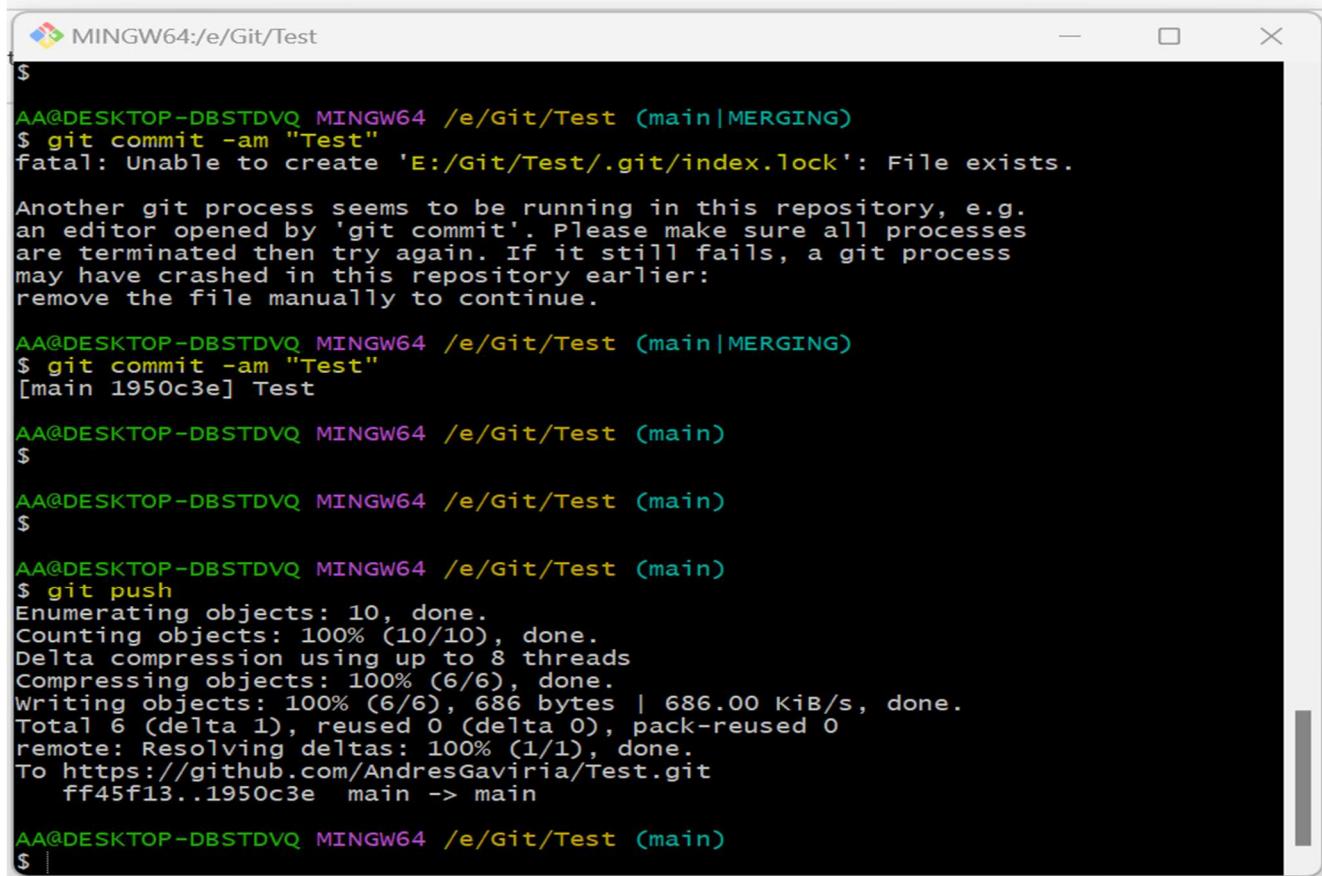
AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main|MERGING)
$
```

Validación visual en VS Code, luego modificamos el archivo



```
File Edit Selection View Go Run ... ← → ⌂ Test
EXPLORER ... README.md iM, !
TEST README.md > # <<<<< HEAD
1 # Prueba
2 Modificacion
3 Modificacion 2
4 Modificacion en la nube
5
6 Nueva rama
7
8 <<<< HEAD (Current Change)
9 Cambio local para generar conflicto
10 =====
11 Cambio en la nube para generar conflicto
12 >>>> refs/remotes/origin/main (Incoming Change)
13
```

Aceptamos o creamos el snapshot con el cambio y podemos subirlo con el merge completado



```
MINGW64:/e/Git/Test
$ AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main|MERGING)
$ git commit -am "Test"
fatal: Unable to create 'E:/Git/Test/.git/index.lock': File exists.

Another git process seems to be running in this repository, e.g.
an editor opened by 'git commit'. Please make sure all processes
are terminated then try again. If it still fails, a git process
may have crashed in this repository earlier:
remove the file manually to continue.

AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main|MERGING)
$ git commit -am "Test"
[main 1950c3e] Test

AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$

AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$ git push
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Delta compression using up to 8 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 686 bytes | 686.00 KiB/s, done.
Total 6 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/AndresGaviria/Test.git
 ff45f13..1950c3e main -> main

AA@DESKTOP-DBSTDVQ MINGW64 /e/Git/Test (main)
$
```

Validación visual en la nube



The screenshot shows a GitHub repository named 'Test' owned by 'AndresGaviria'. The 'README.md' file is displayed, containing the following content:

```
Prueba

Modificacion Modificacion 2 Modificacion en la nube

Nueva rama

Cambio local para generar conflicto Cambio en la nube para generar conflicto
```



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