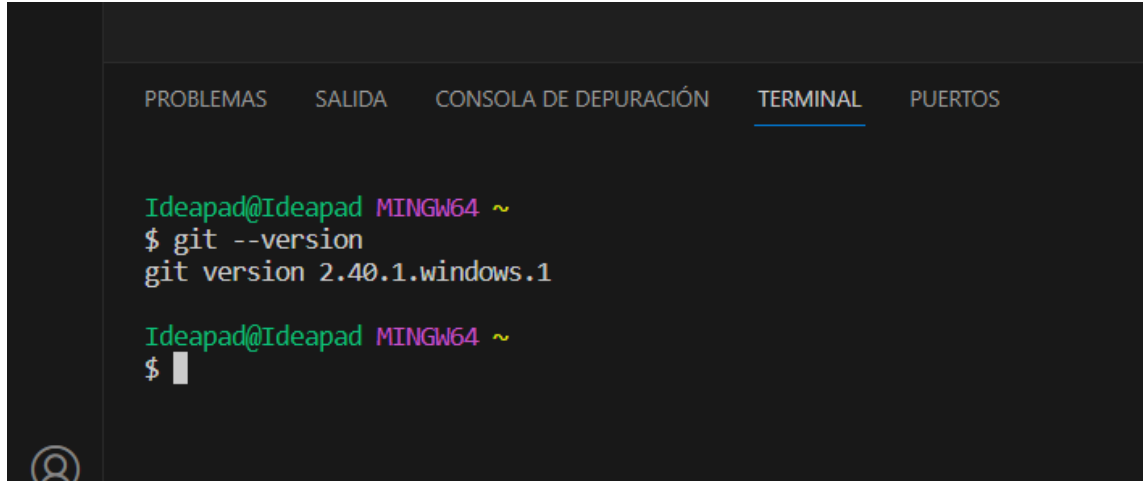


# PRACTICA I – USO DE GIT Y GITHUB

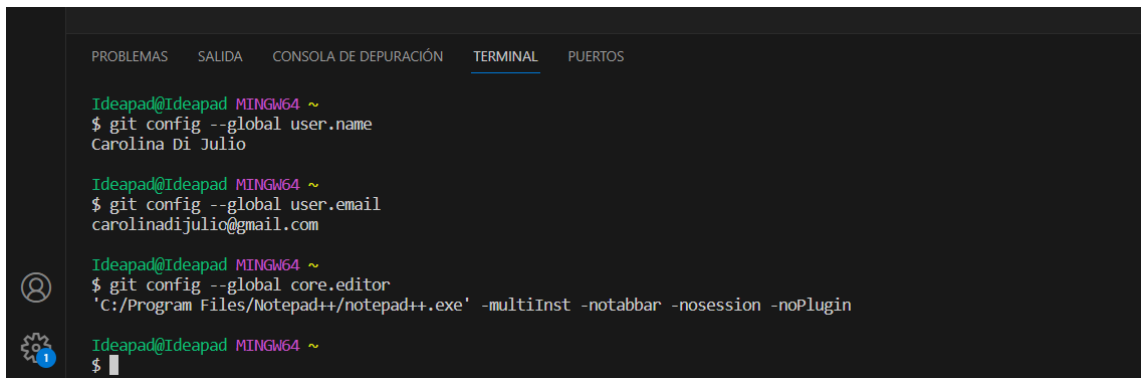
## FUNDAMENTOS DE GIT I

### 1. Git –versión



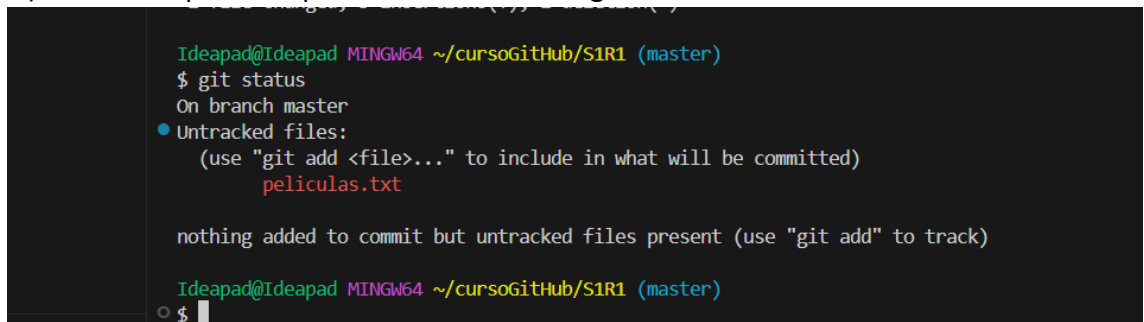
```
Ideapad@Ideapad MINGW64 ~  
$ git --version  
git version 2.40.1.windows.1  
  
Ideapad@Ideapad MINGW64 ~  
$
```

### 2. Configuración de Git



```
Ideapad@Ideapad MINGW64 ~  
$ git config --global user.name  
Carolina Di Julio  
  
Ideapad@Ideapad MINGW64 ~  
$ git config --global user.email  
carolinadijulio@gmail.com  
  
Ideapad@Ideapad MINGW64 ~  
$ git config --global core.editor  
'C:/Program Files/Notepad++/notepad++.exe' -multiInst -notabbar -nosession -noPlugin  
  
Ideapad@Ideapad MINGW64 ~  
$
```

### 3. G) Haz una captura de pantalla del comando git status.



```
Ideapad@Ideapad MINGW64 ~/cursoGitHub/S1R1 (master)  
$ git status  
On branch master  
● Untracked files:  
  (use "git add <file>..." to include in what will be committed)  
    peliculas.txt  
  
nothing added to commit but untracked files present (use "git add" to track)  
  
Ideapad@Ideapad MINGW64 ~/cursoGitHub/S1R1 (master)  
$
```

I) Haz una captura de pantalla que muestre los cambios en el directorio de trabajo.

```

Ideapad@Ideapad MINGW64 ~/cursoGithub/S1R1 (master)
• $ git diff
diff --git a/comidas.txt b/comidas.txt
deleted file mode 100644
index 23e3829..0000000
--- a/comidas.txt
+++ /dev/null
@@ -1,3 +0,0 @@
-Arroz
-Patatas fritas
-Pizza
\ No newline at end of file
diff --git a/peliculas.txt b/peliculas.txt
index dd926e3..1e6f57f 100644
--- a/peliculas.txt
+++ b/peliculas.txt
@@ -1,3 +1,5 @@
 La isla siniestra
 El rey león
 -El padrino
\ No newline at end of file
+El padrino
+Frozen
+Cadena Perpetua
\ No newline at end of file

```

n) Haz una captura de pantalla del comando git status. Debe indicar que se ha borrado el archivo comidas.txt y que se ha modificado el archivo peliculas.txt.

```

Ideapad@Ideapad MINGW64 ~/cursoGithub/S1R1 (master)
• $ git add .

Ideapad@Ideapad MINGW64 ~/cursoGithub/S1R1 (master)
• $ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        deleted:   comidas.txt
        modified:  peliculas.txt

```

q) Haz una captura de pantalla del comando git status. Deben aparecer los archivos datos.bak y output/salida.txt como archivos nuevos (color rojo).

```

Ideapad@Ideapad MINGW64 ~/cursoGithub/S1R1 (master)
• $ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        datos.bak
        output/

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

```

s) Haz una nueva captura de pantalla del comando git status. Ahora no deben aparecer los archivos datos.bak y output/salida.txt como archivos nuevos, sino que en su lugar debe aparecer únicamente el archivo .gitignore.

```
Ideapad@Ideapad MINGW64 ~/cursoGitHub/S1R1 (master)
● $ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore

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

Ideapad@Ideapad MINGW64 ~/cursoGitHub/S1R1 (master)
```

u) Haz una captura de pantalla que muestre el histórico de cambios del repositorio.

```
Ideapad@Ideapad MINGW64 ~/cursoGitHub/S1R1 (master)
$ git log --graph
* commit ed17ea41c32b805ad32eaf57176578e889dec2b7 (HEAD -> master)
 | Author: Carolina Di Julio <carolinadijulio@gmail.com>
 | Date: Wed Sep 25 22:29:36 2024 +0200
 |
 | ultimo commit
 |
* commit 924071ba22e84c4c3ccc1b082de60615558fbf72
 | Author: Carolina Di Julio <carolinadijulio@gmail.com>
 | Date: Wed Sep 25 22:24:42 2024 +0200
 |
 | cuarto commit
 |
* commit 8fb3ec3a1c0da842fab59ace012cb040e3790975
 | Author: Carolina Di Julio <carolinadijulio@gmail.com>
 | Date: Wed Sep 25 22:18:40 2024 +0200
 |
 | tercer commit
 |
* commit 1fe3751acc28786f4d46758931f834e48e534337
 | Author: Carolina Di Julio <carolinadijulio@gmail.com>
 | Date: Wed Sep 25 22:14:33 2024 +0200
 |
 | segundo commit
 |
* commit e7752a0b29775cbba539e24c8d48c310ab6cae06
 | Author: Carolina Di Julio <carolinadijulio@gmail.com>
 | Date: Wed Sep 25 22:13:10 2024 +0200
 |
 | primer commit
```

## FUNDAMENTOS DE GIT II

1. G) Haz una captura de pantalla del resultado del comando `git log--graph--all`.

```

Create mode 100644 actrices.txt

Ideapad@Ideapad MINGW64 ~/cursoGitHub/S2R1 (test)
● $ git log --graph --all
* commit 7a45b70b992dbdd38239a411cf0b59a5fb28828d (HEAD -> test)
 | Author: Carolina Di Julio <carolinadijulio@gmail.com>
 | Date: Thu Sep 26 07:35:32 2024 +0200
 |
 |-----
 |
 |      segundo commit
 |
* commit f7ef614ad74cfe1c760e64083ed355415f96c29a (master)
 | Author: Carolina Di Julio <carolinadijulio@gmail.com>
 | Date: Thu Sep 26 07:31:08 2024 +0200
 |
 |-----
 |
 |      primer commit

```

i) Incorpora los cambios de la rama test a la rama master. Haz una captura de pantalla de los comandos que has utilizado y de su resultado.

```

Ideapad@Ideapad MINGW64 ~/cursoGitHub/S2R1 (test)
● $ git checkout master
Switched to branch 'master'

Ideapad@Ideapad MINGW64 ~/cursoGitHub/S2R1 (master)
● $ git merge test
Updating f7ef614..7a45b70
Fast-forward
 actrices.txt | 3 +++
 1 file changed, 3 insertions(+)
 create mode 100644 actrices.txt

```

n) Haz una captura de pantalla del resultado del comando git log--graph--all. Debe haber dos caminos distintos: uno para la rama master y otro para la rama test2.

```

* commit 4798ae620951f42559220f916084f803dcf3479b (HEAD -> test2)
 | Author: Carolina Di Julio <carolinadijulio@gmail.com>
 | Date: Thu Sep 26 07:41:38 2024 +0200
 |
 |-----
 |
 |      cuarto commit
 |
* commit db9898424b19946757aa2c92ec057668f84a52e8 (master)
 | Author: Carolina Di Julio <carolinadijulio@gmail.com>
 | Date: Thu Sep 26 07:40:28 2024 +0200
 |
 |-----
 |
 |      tercer commit
 |
* commit 7a45b70b992dbdd38239a411cf0b59a5fb28828d (test)
 | Author: Carolina Di Julio <carolinadijulio@gmail.com>
 | Date: Thu Sep 26 07:35:32 2024 +0200
 |
 |-----
 |
 |      segundo commit
 |
* commit f7ef614ad74cfe1c760e64083ed355415f96c29a
 | Author: Carolina Di Julio <carolinadijulio@gmail.com>
 | Date: Thu Sep 26 07:31:08 2024 +0200
 |
 |-----
 |
 |      primer commit

```

o) ¿Se produce un conflicto? De ser así realiza una captura del comando git status.

Si, se produce un conflicto.

```
Ideapad@Ideapad MINGW64 ~/cursoGitHub/S2R1 (master)
$ git merge test2
Auto-merging actrices.txt
CONFLICT (content): Merge conflict in actrices.txt
Automatic merge failed; fix conflicts and then commit the result.
Ideapad@Ideapad MINGW64 ~/cursoGitHub/S2R1 (master|MERGING)
$ git status
● On branch master
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:   actrices.txt

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

q) Haz una captura de pantalla del resultado del comando git log--graph--all. Observa que se ha creado un nuevo commit que integra los dos caminos anteriores.

```
* commit bcb904d2f18ece38587471ad82923b4ed992af9d (HEAD -> master)
| Merge: db98984 4798ae6
| Author: Carolina Di Julio <carolinadijulio@gmail.com>
| Date: Thu Sep 26 07:56:14 2024 +0200
|
| quinto commit
|
| * commit 4798ae620951f42559220f916084f803dcf3479b (test2)
| | Author: Carolina Di Julio <carolinadijulio@gmail.com>
| | Date: Thu Sep 26 07:41:38 2024 +0200
| |
| | cuarto commit
| |
| | * commit db9898424b19946757aa2c92ec057668f84a52e8
| | | Author: Carolina Di Julio <carolinadijulio@gmail.com>
| | | Date: Thu Sep 26 07:40:28 2024 +0200
| | |
| | | tercer commit
| | |
| | | * commit 7a45b70b992dbdd38239a411cf0b59a5fb28828d (test)
| | | | Author: Carolina Di Julio <carolinadijulio@gmail.com>
| | | | Date: Thu Sep 26 07:35:32 2024 +0200
| | | |
| | | | segundo commit
| | | |
| | | | * commit f7ef614ad74cfe1c760e64083ed355415f96c29a
| | | | | Author: Carolina Di Julio <carolinadijulio@gmail.com>
| | | | | Date: Thu Sep 26 07:31:08 2024 +0200
```

2. Crea una carpeta denominada S2R2-remoto. Inicializa un repositorio Git en su interior mediante el comando git init--bare. Esta carpeta se utilizará como repositorio remoto.

3. Clona el repositorio S2R2-remoto en una carpeta denominada S2R2. Adjunta captura de pantalla del resultado del comando de clonado.

```
Ideapad@Ideapad MINGW64 ~/cursoGithub
● $ git clone S2R2-REMOTO S2R2
Cloning into 'S2R2'...
warning: You appear to have cloned an empty repository.
done.
```

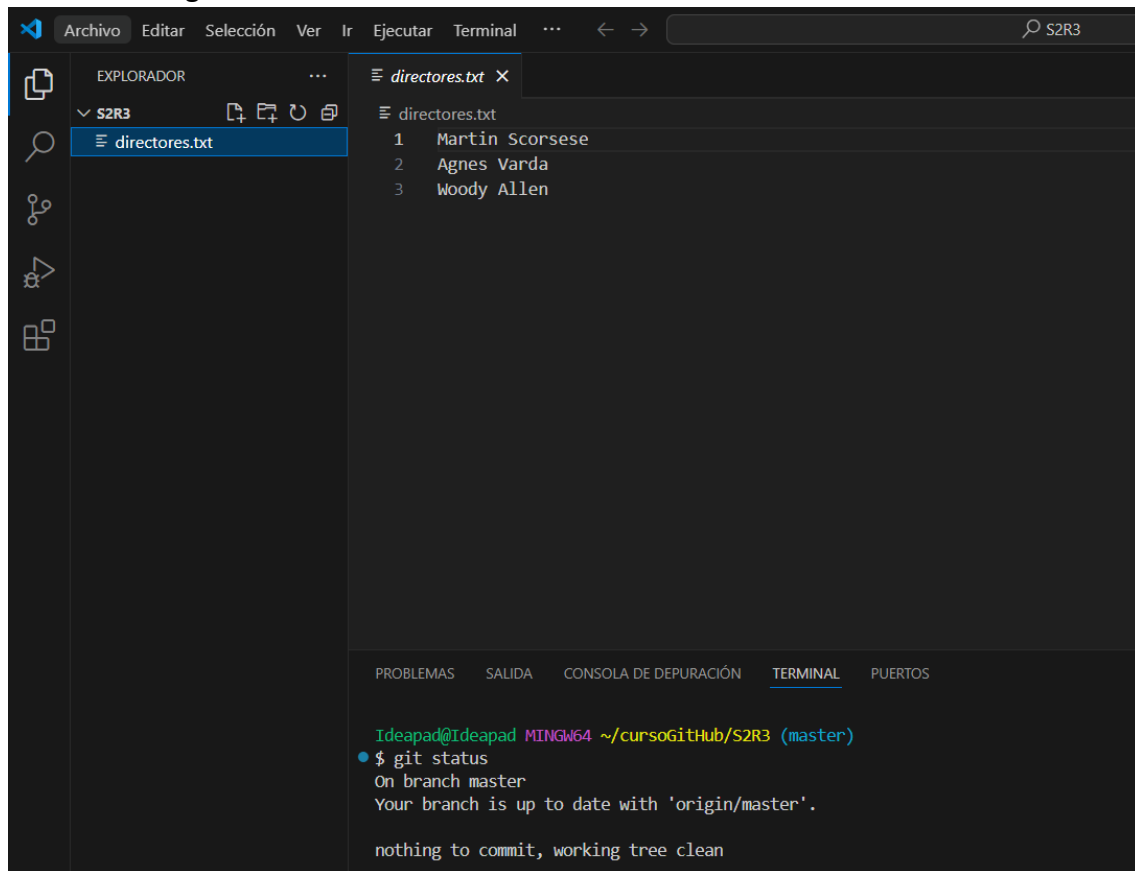
- c) Realiza un push al repositorio remoto. Adjunta captura de pantalla del resultado.

```
Ideapad@Ideapad MINGW64 ~/cursoGithub/S2R2 (master)
● $ git push
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 263 bytes | 263.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To C:/Users/elcap/cursoGithub/S2R2-REMOTO
 * [new branch]      master -> master
```

- g) Realiza un push de la rama al repositorio remoto de manera que quede asociada a la rama remota del mismo nombre. Adjunta captura de pantalla del resultado.

```
Ideapad@Ideapad MINGW64 ~/cursoGithub/S2R2 (version1)
● $ git push origin version1
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 313 bytes | 313.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To C:/Users/elcap/cursoGithub/S2R2-REMOTO
 * [new branch]      version1 -> version1
```

4. a) Muestra en la consola el contenido del fichero directores.txt y el resultado del comando git status. Debe mostrar tres directores.



```
Archivo  Editar  Selección  Ver  Ir  Ejecutar  Terminal  ...  S2R3

EXPLORADOR
S2R3
directores.txt

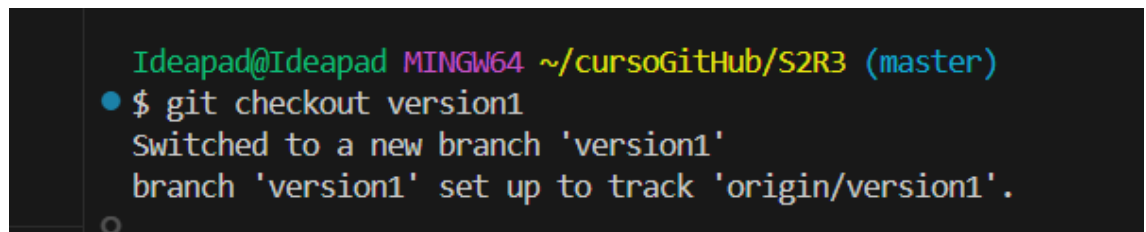
directores.txt
1 Martin Scorsese
2 Agnes Varda
3 Woody Allen

PROBLEMAS  SALIDA  CONSOLA DE DEPURACIÓN  TERMINAL  PUERTOS

Ideapad@Ideapad MINGW64 ~/cursoGitHub/S2R3 (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

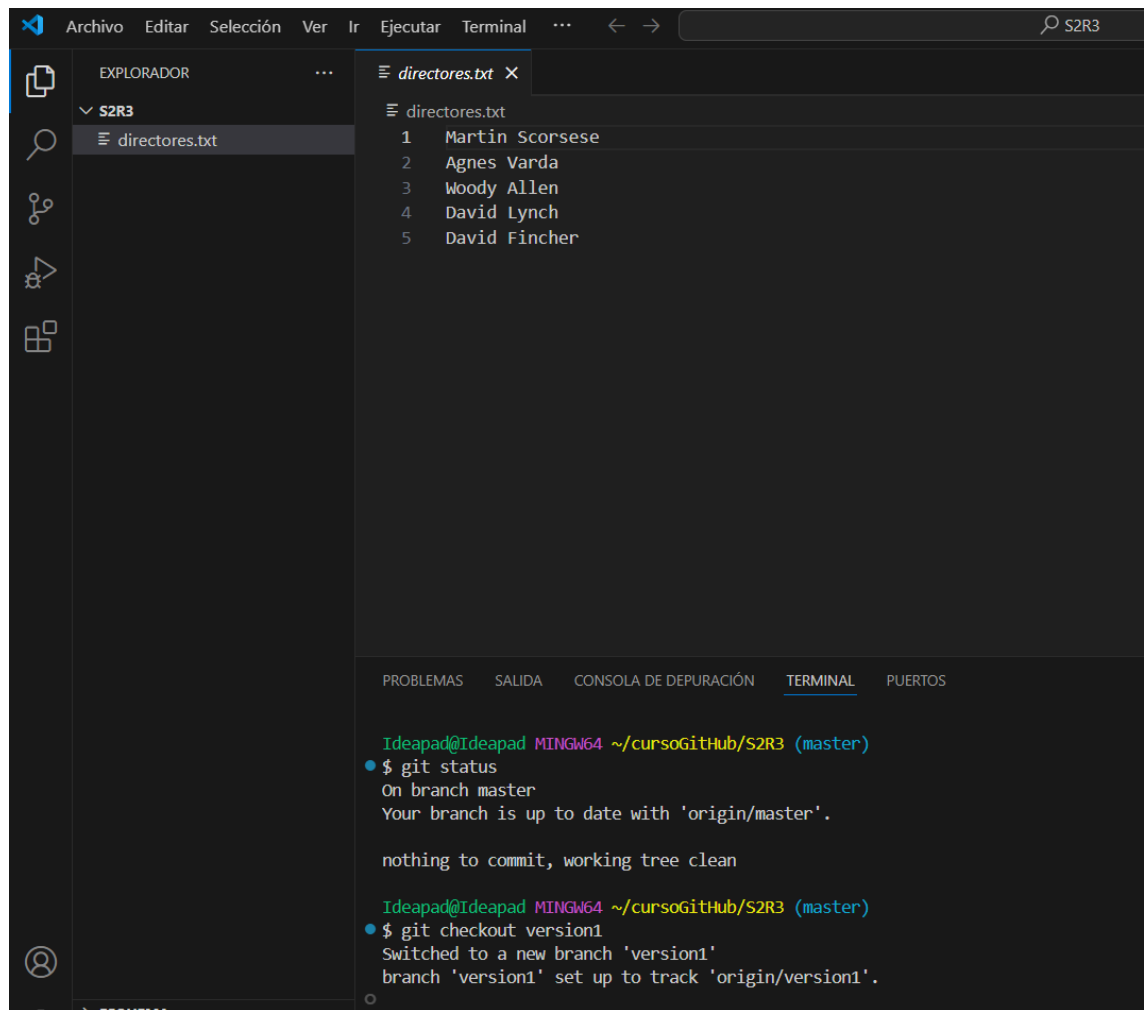
nothing to commit, working tree clean
```

b) Cambia a la rama version1. Muestra el resultado del comando.

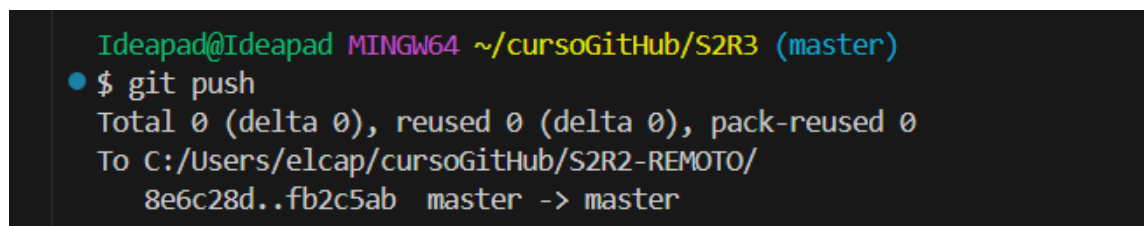


```
Ideapad@Ideapad MINGW64 ~/cursoGitHub/S2R3 (master)
$ git checkout version1
Switched to a new branch 'version1'
branch 'version1' set up to track 'origin/version1'.
```

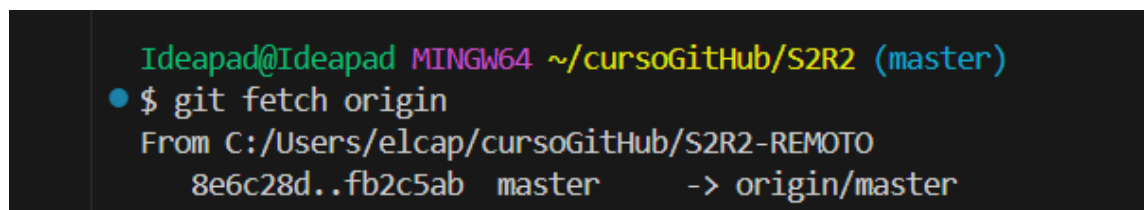
c) Muestra el contenido del fichero directores.txt por la pantalla. Comprueba que se muestran los 5 nombres de directores esperados. Adjunta captura de pantalla.



f) Sube la rama master actualizada al servidor. Adjunta captura de pantalla del resultado del comando.

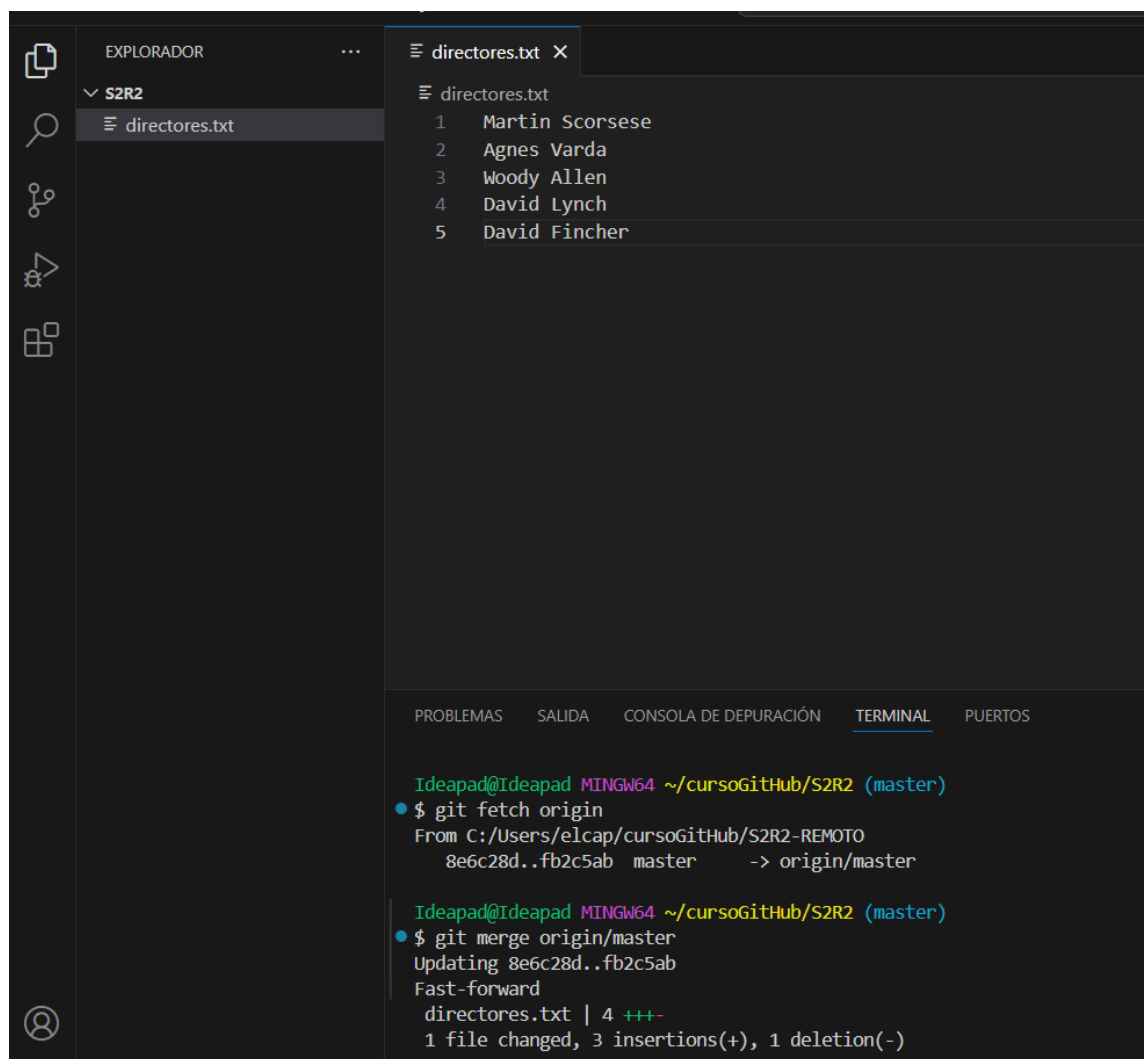


5. a) Obtén los cambios que hay en el repositorio remoto sin fusionarlos en la rama local. Adjunta captura de pantalla del resultado del comando utilizado





c) Comprueba que aparecen los 5 nombres de directores esperados.



The screenshot shows the Visual Studio Code interface. On the left, the Explorer sidebar shows a folder named 'S2R2' containing a file named 'directores.txt'. The main editor area displays the content of 'directores.txt', which lists five directors: Martin Scorsese, Agnes Varda, Woody Allen, David Lynch, and David Fincher. At the bottom, the Terminal panel is active, showing the following commands and output:

```
Ideapad@Ideapad MINGW64 ~/cursoGithub/S2R2 (master)
• $ git fetch origin
From C:/Users/elcap/cursoGithub/S2R2-REMOTE
 8e6c28d..fb2c5ab master -> origin/master

Ideapad@Ideapad MINGW64 ~/cursoGithub/S2R2 (master)
• $ git merge origin/master
Updating 8e6c28d..fb2c5ab
Fast-forward
 directores.txt | 4 +++-
 1 file changed, 3 insertions(+), 1 deletion(-)
```

## GITHUB

```
Ideapad@Ideapad MINGW64 ~/cursoGithub/sesion3-practica (master)
$ git add .

Ideapad@Ideapad MINGW64 ~/cursoGithub/sesion3-practica (master)
$ git commit -m "libros. close #1"
[master f4680d4] libros. close #1
1 file changed, 3 insertions(+)
```

```
• $ git commit -m "películas close #2"
[master fe329ce] películas close #2
1 file changed, 3 insertions(+)

Ideapad@Ideapad MINGW64 ~/cursoGitHub/sesion3-practica (master)
• $ git push
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), 351 bytes | 351.00 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/CarolinaDiJulio/sesion3-practica.git
f4680d4..fe329ce master -> master
```

```
PROBLEMAS  SALIDA  CONSOLA DE DEPURACIÓN  TERMINAL  PUERTOS

• $ git commit -m "discos close #3"
[master 984d48c] discos close #3
1 file changed, 3 insertions(+)

Ideapad@Ideapad MINGW64 ~/cursoGitHub/sesion3-practica (master)
• $ git push
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), 363 bytes | 363.00 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/CarolinaDiJulio/sesion3-practica.git
fe329ce..984d48c master -> master
```