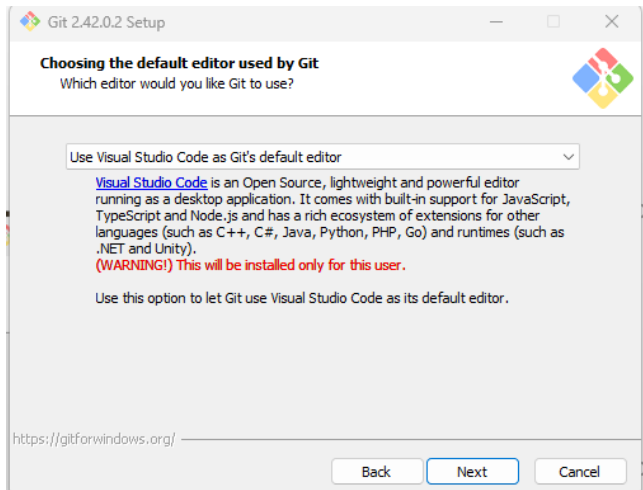


# Práctica 1- Uso de Git y GitHub

## Fundamentos de Git I

### 1. Instalación Git



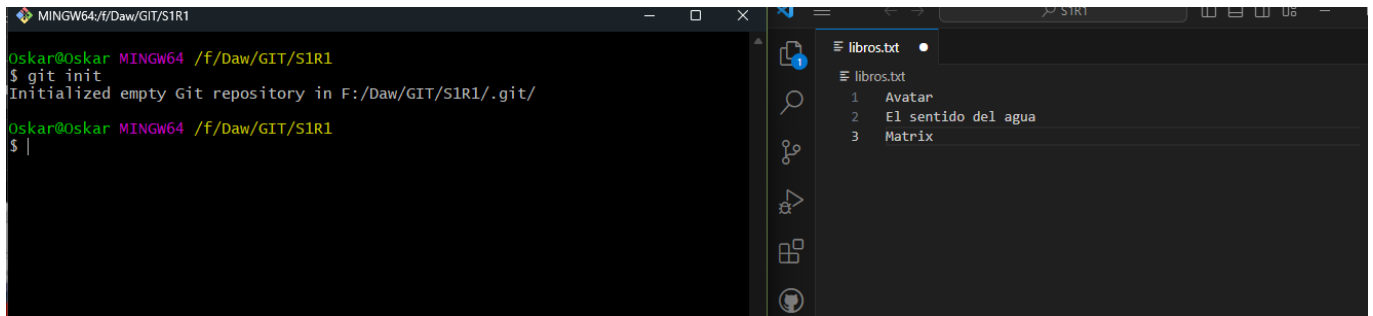
```
MINGW64:/c/Users/khole
Oskar@Oskar MINGW64 ~
$ git -v
git version 2.42.0.windows.2
Oskar@Oskar MINGW64 ~
$
```

### 2. Realiza la configuración de Git

```
MINGW64:/c/Users/khole
Oskar@Oskar MINGW64 ~
$ git config --global user.name "Oskar Borrajo"
Oskar@Oskar MINGW64 ~
$ git config --global user.mail oscborgra@alu.edu.gva.es
Oskar@Oskar MINGW64 ~
$ git config --global core.editor "code --wait"
Oskar@Oskar MINGW64 ~
$ git config --global credential.helper wincred
fatal: not in a git directory
Oskar@Oskar MINGW64 ~
$ git config --global credential.helper wincred
Oskar@Oskar MINGW64 ~
$ |
```

```
MINGW64:/c/Users/khole
Oskar@Oskar MINGW64 ~
$ git config --list
diff.astextplain.textconv=astextplain
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
http.sslbackend=openssl
http.sslcainfo=C:/Program Files/Git/mingw64/etc/ssl/certs/ca-bundle.crt
core.autocrlf=true
core.fscache=true
core.sylinks=false
pull.rebase=false
credential.helper=manager
credential.https://dev.azure.com.usehttppath=true
init.defaultbranch=master
core.editor=code --wait
user.name=Oskar Borrajo
user.mail=oscborgra@alu.edu.gva.es
credential.helper=wincred
```

3-Crea una carpeta denominada S1R1, un fichero denominado libros.txt. Añade tres títulos



## Por error involuntario se me ha olvidado meter los archivos en la carpeta S1R1

### Primer Commit

```
MINGW64:/f/Daw/Cliente/Git

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   libros.txt

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$ git commit -m "PrimerCommit"
[master (root-commit) d3295fa] PrimerCommit
1 file changed, 3 insertions(+)
create mode 100644 libros.txt

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$ git status
On branch master
nothing to commit, working tree clean

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$
```

### Segundo Commit

```
MINGW64:/f/Daw/Cliente/Git

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$ git status
On branch master
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:   libros.txt

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

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$ git diff libros.txt
diff --git a/libros.txt b/libros.txt
index d2ca1ef..135bad4 100644
--- a/libros.txt
+++ b/libros.txt
@@ -1,3 +1,5 @@
 Avatar
 El sentido del agua
-Matrix
+Matrix
+Sin Perdon
+El Señor de los Anillos
\ No newline at end of file

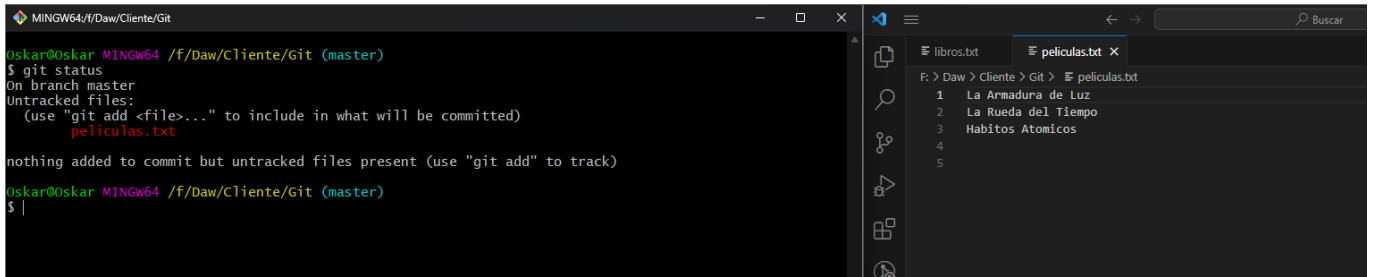
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$ git add libros.txt

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$ git commit -m "SegundoCommit"
[master 1a39189] SegundoCommit
1 file changed, 3 insertions(+), 1 deletion(-)

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$ git status
On branch master
nothing to commit, working tree clean

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$
```

Crea un fichero denominado peliculas.txt. Añade tres títulos



The screenshot shows a terminal window with the following commands and output:

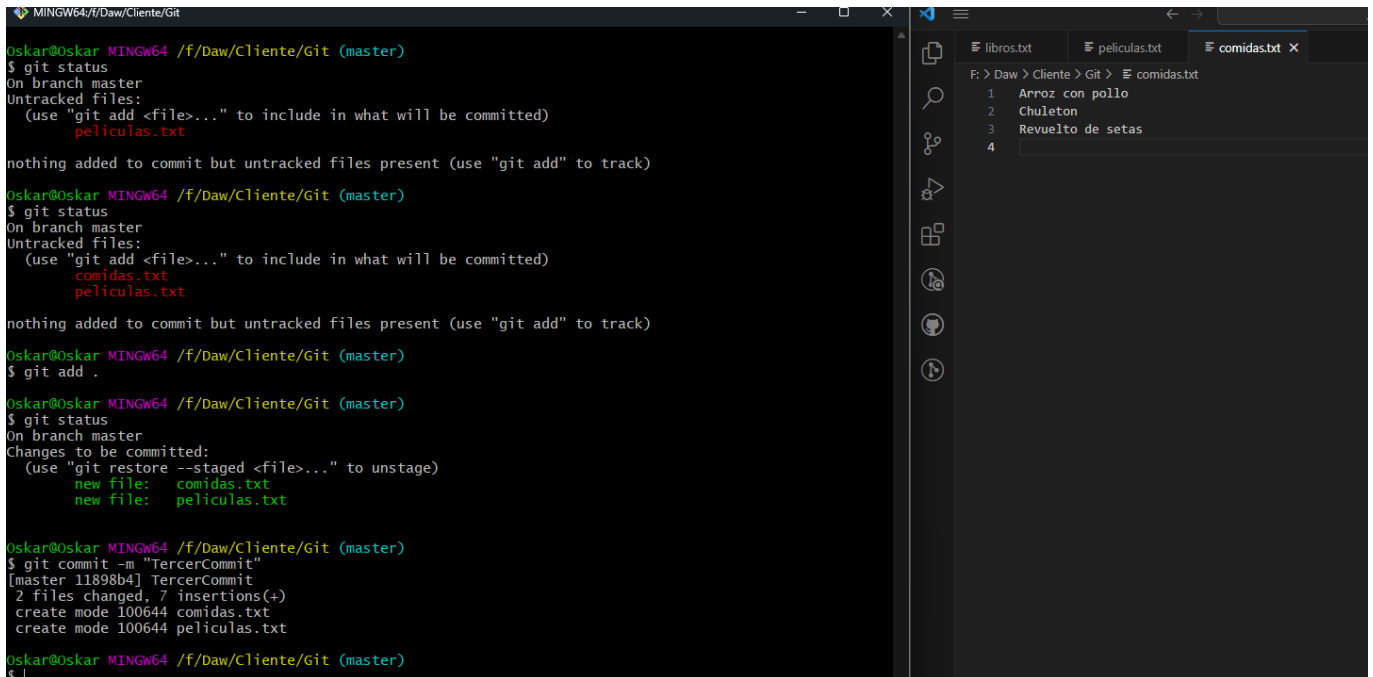
```
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    peliculas.txt

nothing added to commit but untracked files present (use "git add" to track)
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$ |
```

The file explorer on the right shows the file `peliculas.txt` with the following content:

```
1 La Armadura de Luz
2 La Rueda del Tiempo
3 Habitos Atomicos
```

Crea un fichero denominado comidas.txt. Añade tres nombres y Haz un tercer commit que incluya los archivos peliculas.txt y comidas.txt



The screenshot shows a terminal window with the following commands and output:

```
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    peliculas.txt

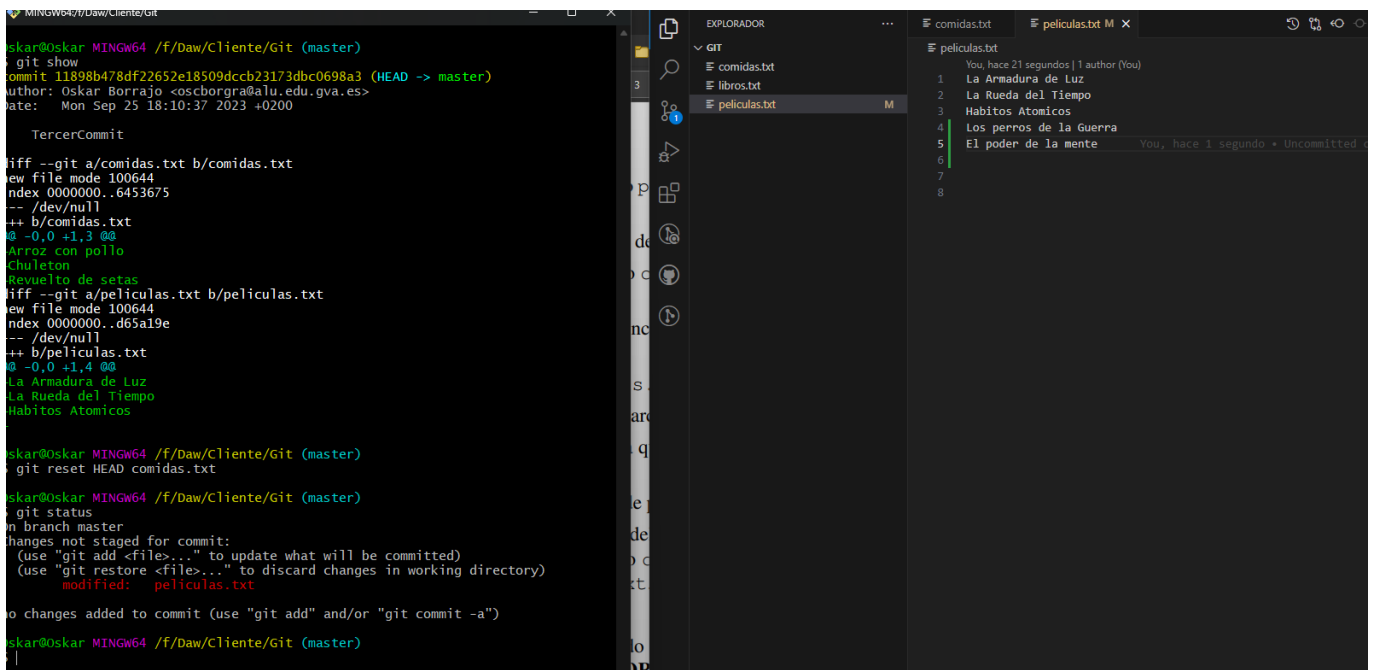
nothing added to commit but untracked files present (use "git add" to track)
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    comidas.txt
    peliculas.txt

nothing added to commit but untracked files present (use "git add" to track)
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$ git add .
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   comidas.txt
    new file:   peliculas.txt
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$ git commit -m "TercerCommit"
[master 11898b4] TercerCommit
 2 files changed, 7 insertions(+)
 create mode 100644 comidas.txt
 create mode 100644 peliculas.txt
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$ |
```

The file explorer on the right shows the file `comidas.txt` with the following content:

```
1 Arroz con pollo
2 Chuleton
3 Revuelto de setas
```

Elimina el archivo comidas.txt, Añade dos películas más al archivo peliculas.txt. Haz una captura de pantalla que muestre los cambios



The screenshot shows a terminal window with the following commands and output:

```
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$ git show
commit 11898b478df22652e18509dccb23173dbc0698a3 (HEAD -> master)
author: Oskar Borrajo <oscborra@alu.edu.gva.es>
date: Mon Sep 25 18:10:37 2023 +0200

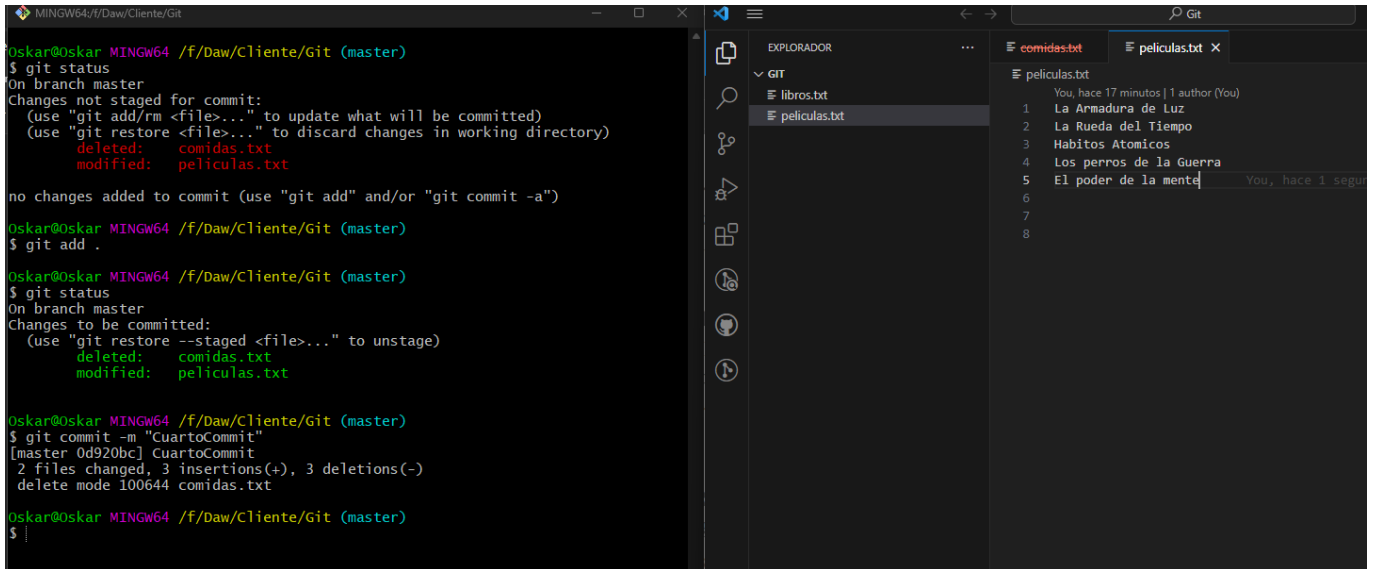
    TercerCommit

diff --git a/comidas.txt b/comidas.txt
new file mode 100644
index 0000000..6453675
--- /dev/null
+++ b/comidas.txt
@@ -0,0 +1,3 @@
+Arroz con pollo
+Chuleton
+Revuelto de setas
diff --git a/peliculas.txt b/peliculas.txt
new file mode 100644
index 0000000..d65a19e
--- /dev/null
+++ b/peliculas.txt
@@ -0,0 +1,4 @@
+La Armadura de Luz
+La Rueda del Tiempo
+Habitos Atomicos
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$ git reset HEAD comidas.txt
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$ git status
On branch master
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:   peliculas.txt

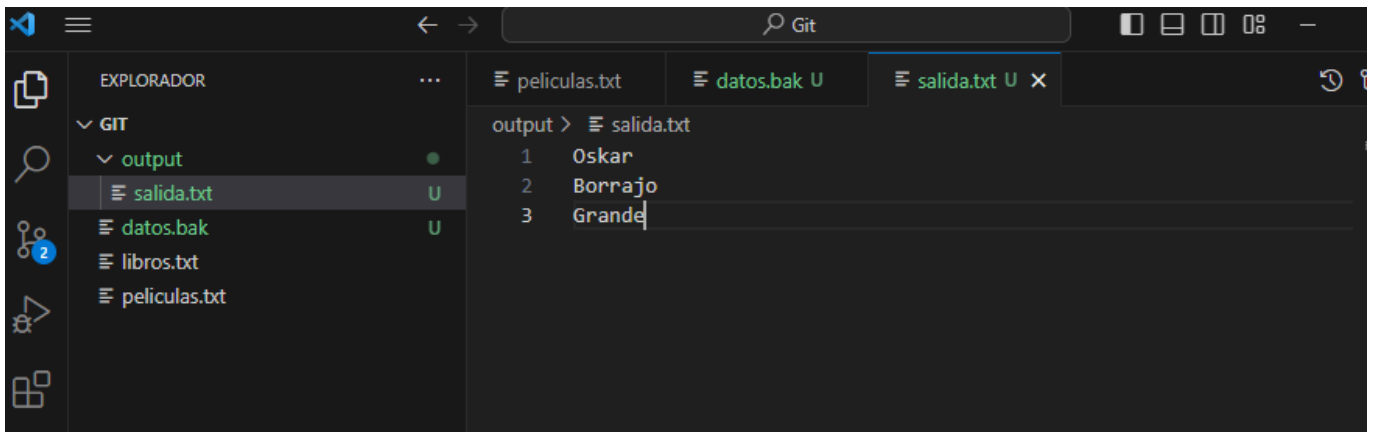
no changes added to commit (use "git add" and/or "git commit -a")
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$ |
```

The file explorer on the right shows the file `peliculas.txt` with the following content:

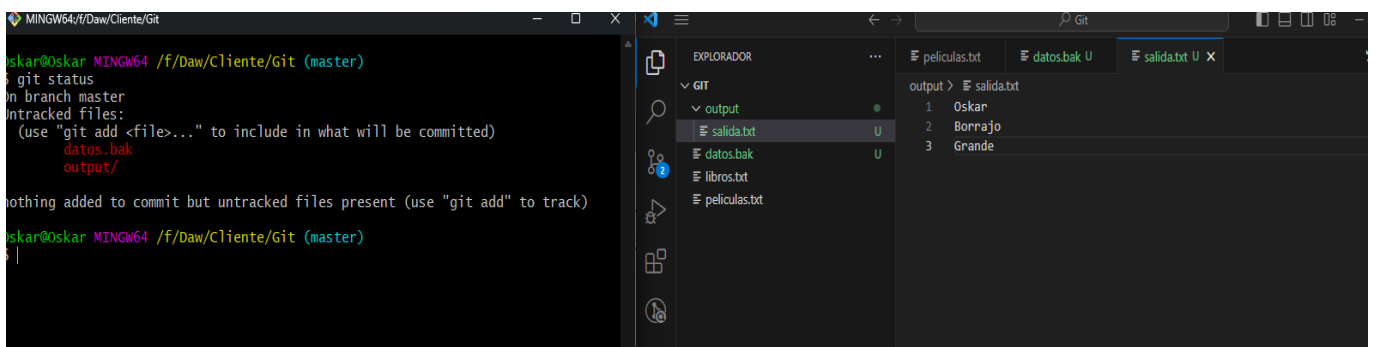
```
1 La Armadura de Luz
2 La Rueda del Tiempo
3 Habitos Atomicos
4 Los perros de la Guerra
5 El poder de la mente
```



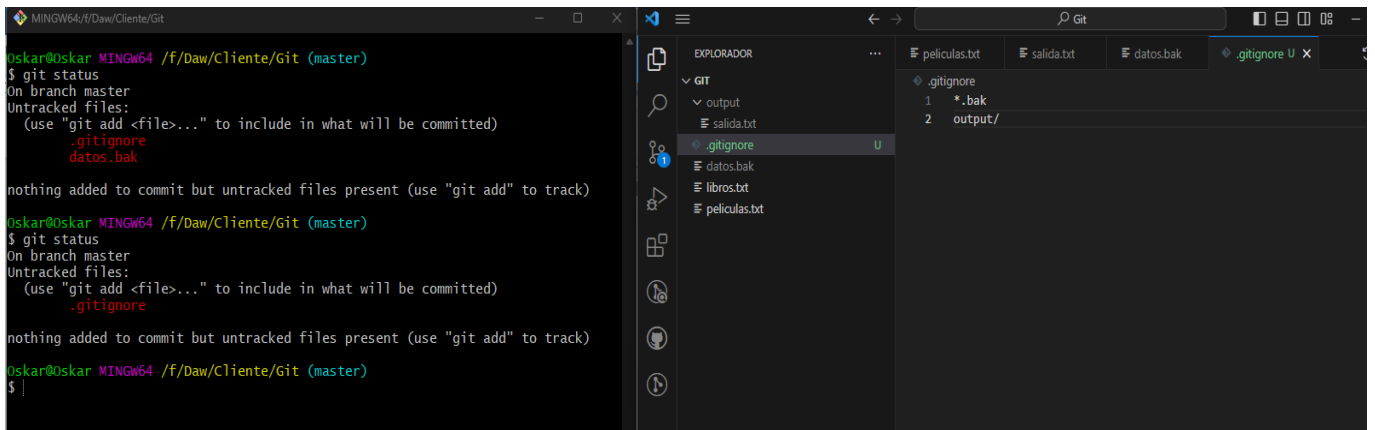
Crea un archivo denominado datos , subcarpeta denominada output con salida.txt dentro



Haz una captura de pantalla del comando git status



Crea un archivo .gitignore y excluye .bak y carpeta output/. Captura de pantalla del comando git status.



The screenshot shows a Windows terminal window with a MINGW64 shell and a VS Code editor. The terminal shows the following commands and output:

```
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore
        datos.bak

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

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore

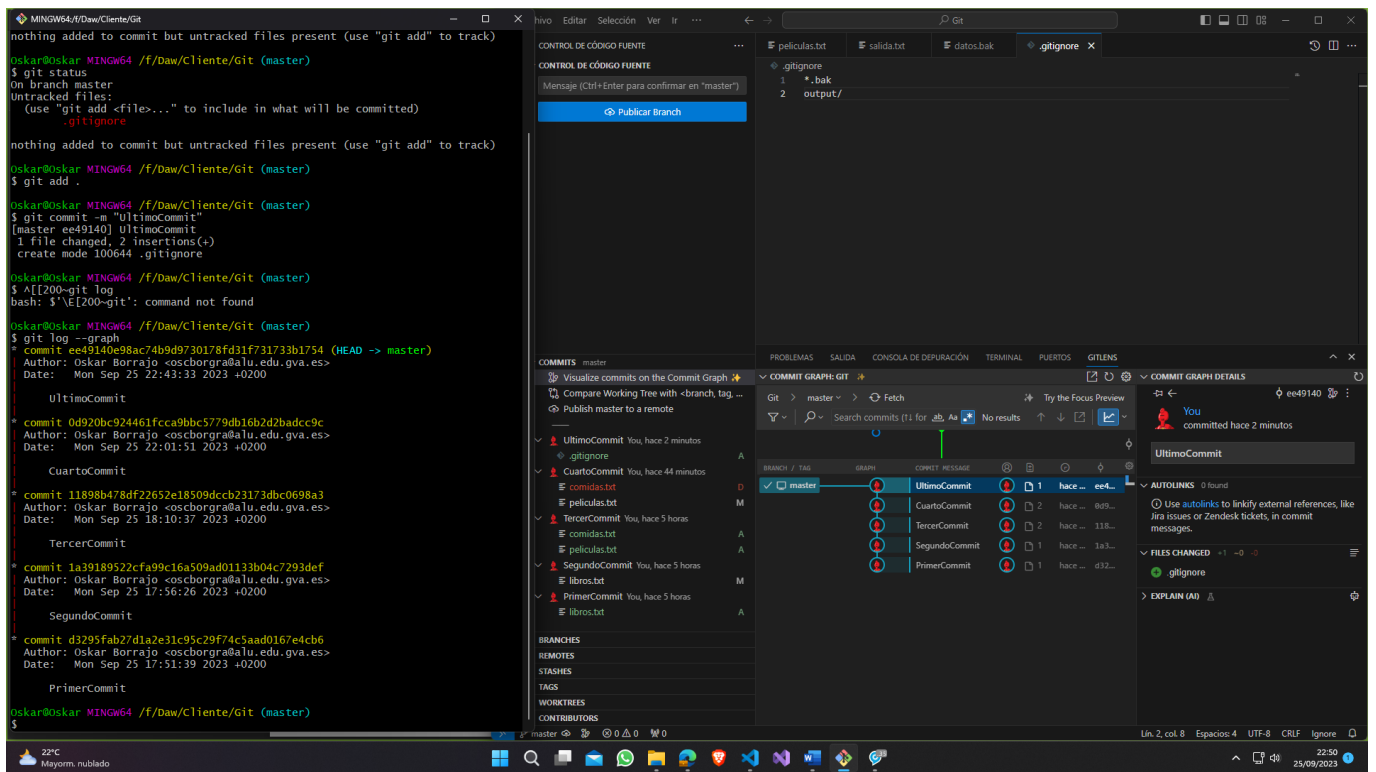
nothing added to commit but untracked files present (use "git add" to track)

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$
```

The VS Code editor shows the Explorer view with the following files: peliculas.txt, salida.txt, datos.bak, .gitignore, libros.txt, and peliculas.txt. The .gitignore file is open in the editor, showing the following content:

```
.gitignore
1  *.bak
2  output/
```

Haz un último commit para incluir el archivo .gitignore y Haz una captura de pantalla que muestre el histórico de cambios del repositorio.



The screenshot shows a Windows terminal window with a MINGW64 shell and a VS Code editor. The terminal shows the following commands and output:

```
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
nothing added to commit but untracked files present (use "git add" to track)

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore
        datos.bak

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

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$ git add .
$ git commit -m "UltimoCommit"
[master ee49140] UltimoCommit
1 file changed, 2 insertions(+)
create mode 100644 .gitignore

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$ git log --graph
* commit ee49140e98ac74b9d9730178fd31f731733b1754 (HEAD -> master)
  Author: Oskar Borrajo <oscborgra@alu.edu.gva.es>
  Date:   Mon Sep 25 22:43:33 2023 +0200

    UltimoCommit

* commit 0d920bc924461fcca9bbc5779db16b2d2badcc9c
  Author: Oskar Borrajo <oscborgra@alu.edu.gva.es>
  Date:   Mon Sep 25 22:01:51 2023 +0200

    CuartoCommit

* commit 11898b478df22652e18509dccb23173db0698a3
  Author: Oskar Borrajo <oscborgra@alu.edu.gva.es>
  Date:   Mon Sep 25 18:10:37 2023 +0200

    TercerCommit

* commit 1a39189522cfa99c16a509ad01133b04c7293def
  Author: Oskar Borrajo <oscborgra@alu.edu.gva.es>
  Date:   Mon Sep 25 17:56:26 2023 +0200

    SegundoCommit

* commit d3295fab27d1a2e31c95c29f74c5aad0167e4cb6
  Author: Oskar Borrajo <oscborgra@alu.edu.gva.es>
  Date:   Mon Sep 25 17:51:39 2023 +0200

    PrimerCommit

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git (master)
$
```

The VS Code editor shows the Explorer view with the following files: peliculas.txt, salida.txt, datos.bak, .gitignore, libros.txt, and peliculas.txt. The .gitignore file is open in the editor, showing the following content:

```
.gitignore
1  *.bak
2  output/
```

The VS Code interface also shows the Commit History panel with the following commits:

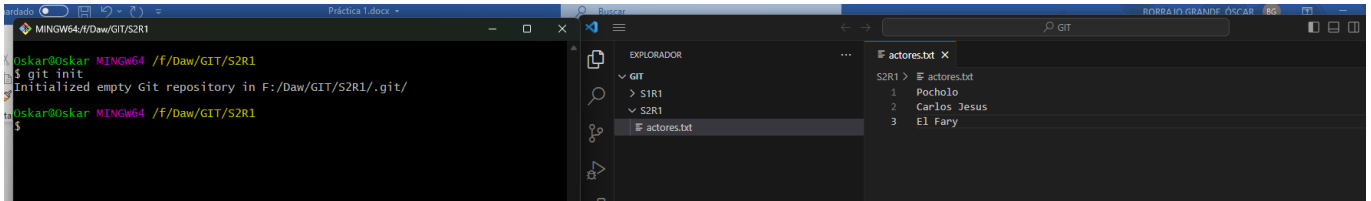
- UltimoCommit: You, hace 2 minutos
- CuartoCommit: You, hace 44 minutos
- TercerCommit: You, hace 5 horas
- SegundoCommit: You, hace 5 horas
- PrimerCommit: You, hace 5 horas

The VS Code interface also shows the Commit Graph panel with the following commits:

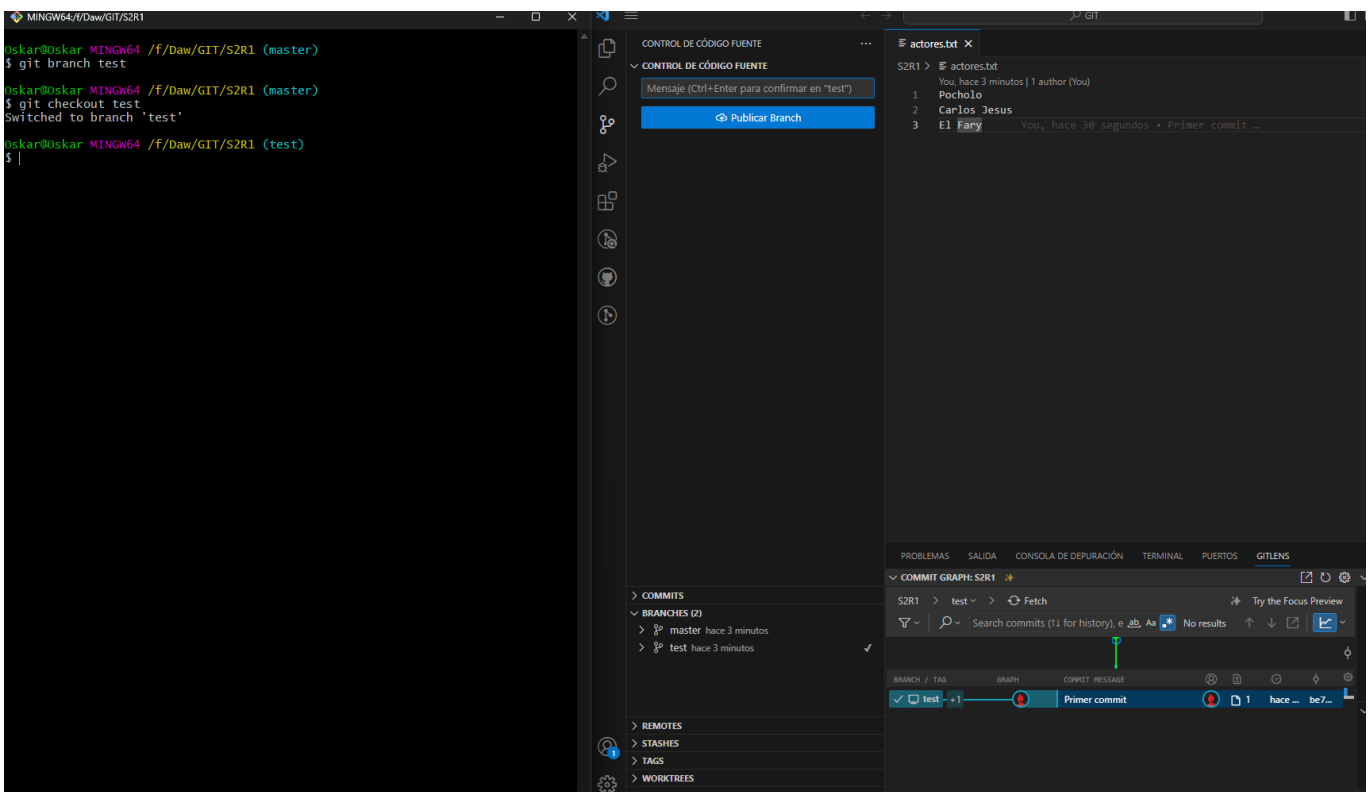
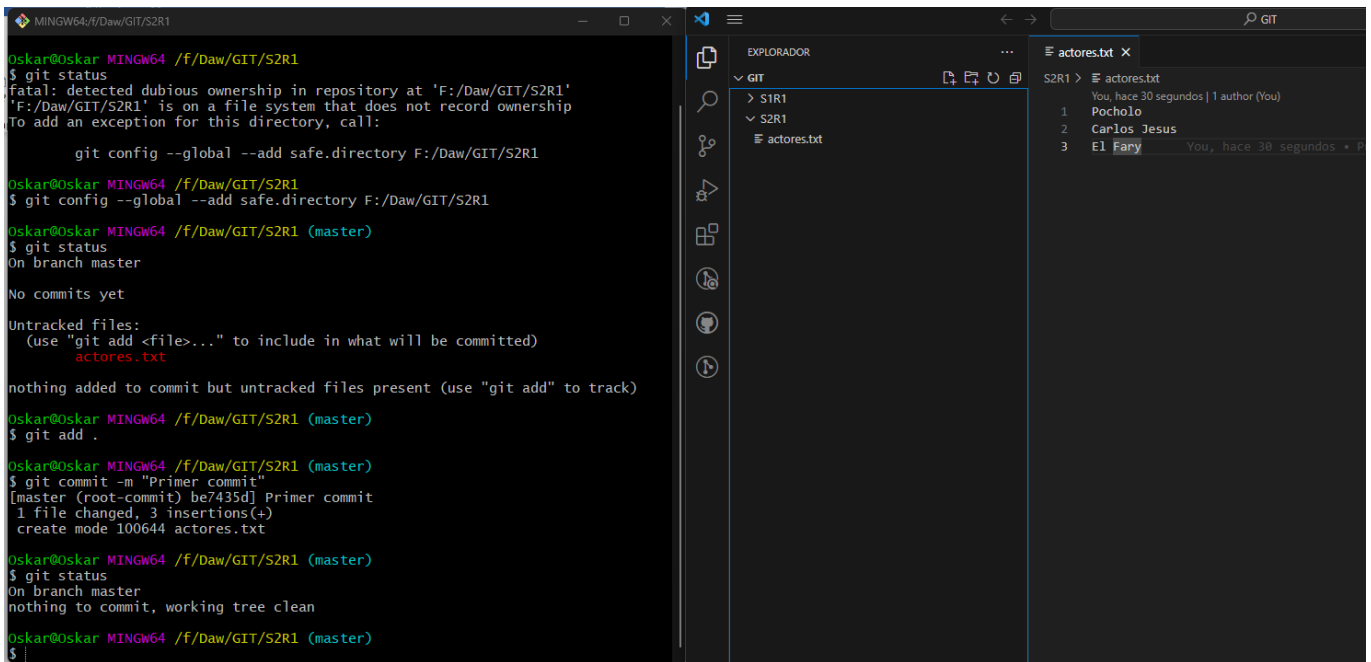
- UltimoCommit: You, hace 2 minutos
- CuartoCommit: You, hace 44 minutos
- TercerCommit: You, hace 5 horas
- SegundoCommit: You, hace 5 horas
- PrimerCommit: You, hace 5 horas

# Fundamentos de Git II

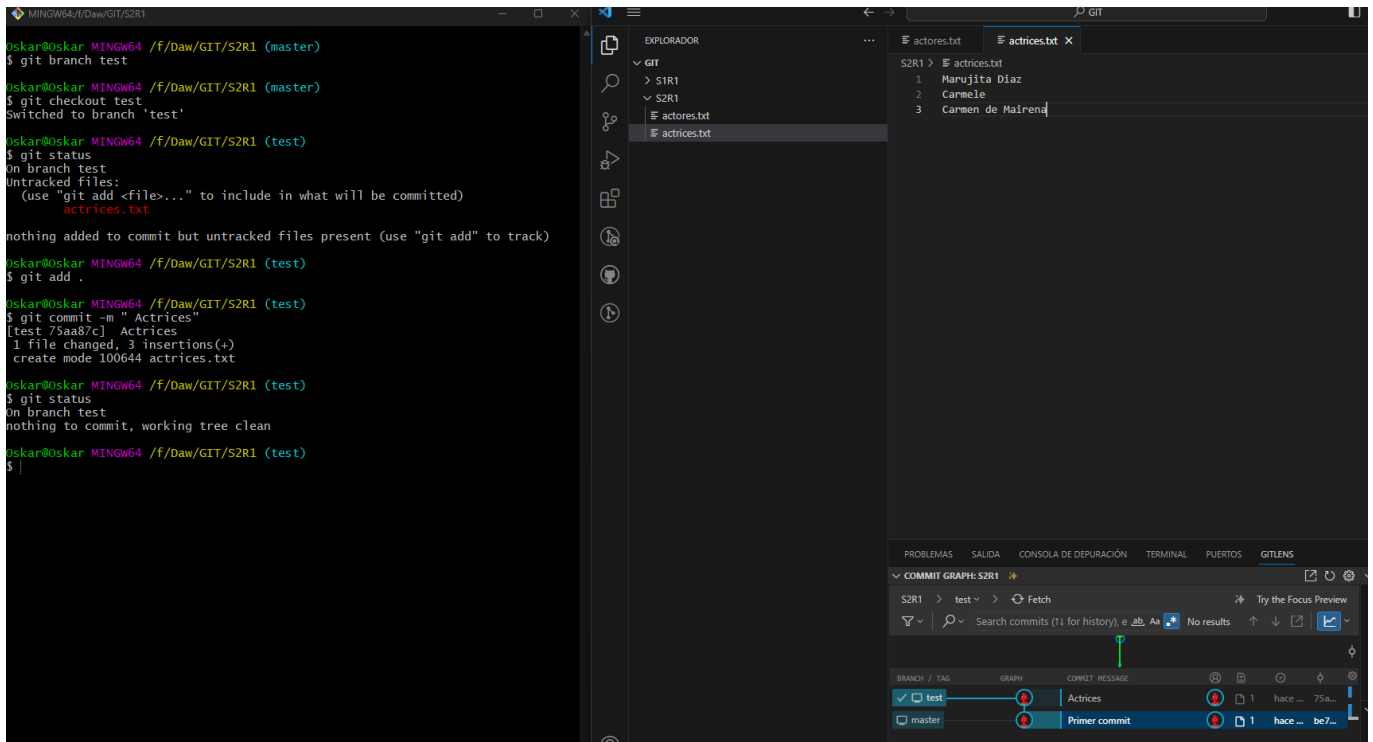
Crea una carpeta denominada S2R1, inicialízalo y crea fichero denominado actores.txt. Añade tres nombres



Haz un primer commit. Crea una rama denominada test. Cambia a la rama test



En la rama test crea un fichero denominado actrices.txt. Añade tres nombres de actrices y realiza un commit en dicha rama. Haz una captura de pantalla del resultado del comando git log --graph --all.



```
oskar@oskar MINGW64 /f/Daw/GIT/S2R1 (master)
$ git branch test

oskar@oskar MINGW64 /f/Daw/GIT/S2R1 (master)
$ git checkout test
Switched to branch 'test'

oskar@oskar MINGW64 /f/Daw/GIT/S2R1 (test)
$ git status
On branch test
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    actrices.txt

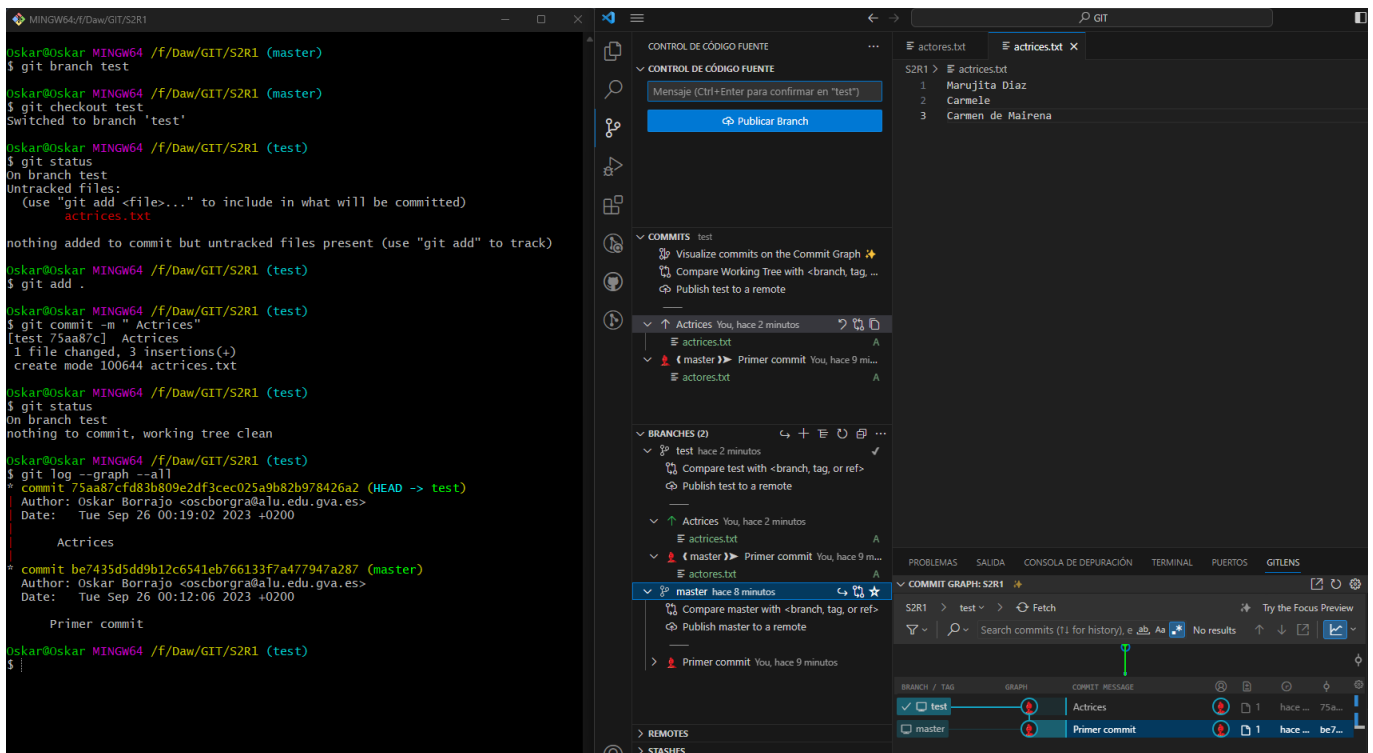
nothing added to commit but untracked files present (use "git add" to track)

oskar@oskar MINGW64 /f/Daw/GIT/S2R1 (test)
$ git add .

oskar@oskar MINGW64 /f/Daw/GIT/S2R1 (test)
$ git commit -m "Actrices"
[test 75aa87c] Actrices
1 file changed, 3 insertions(+)
create mode 100644 actrices.txt

oskar@oskar MINGW64 /f/Daw/GIT/S2R1 (test)
$ git status
On branch test
nothing to commit, working tree clean

oskar@oskar MINGW64 /f/Daw/GIT/S2R1 (test)
$
```



```
oskar@oskar MINGW64 /f/Daw/GIT/S2R1 (master)
$ git branch test

oskar@oskar MINGW64 /f/Daw/GIT/S2R1 (master)
$ git checkout test
Switched to branch 'test'

oskar@oskar MINGW64 /f/Daw/GIT/S2R1 (test)
$ git status
On branch test
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    actrices.txt

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

oskar@oskar MINGW64 /f/Daw/GIT/S2R1 (test)
$ git add .

oskar@oskar MINGW64 /f/Daw/GIT/S2R1 (test)
$ git commit -m "Actrices"
[test 75aa87c] Actrices
1 file changed, 3 insertions(+)
create mode 100644 actrices.txt

oskar@oskar MINGW64 /f/Daw/GIT/S2R1 (test)
$ git status
On branch test
nothing to commit, working tree clean

oskar@oskar MINGW64 /f/Daw/GIT/S2R1 (test)
$ git log --graph --all
* commit 75aa87cfd83b809e2df3cec025a9b82b978426a2 (HEAD -> test)
  Author: Oskar Borraro <oscborgra@alu.edu.gva.es>
  Date: Tue Sep 26 00:19:02 2023 +0200
    Actrices

* commit be7435d5dd9b12c6541eb766133f7a477947a287 (master)
  Author: Oskar Borraro <oscborgra@alu.edu.gva.es>
  Date: Tue Sep 26 00:12:06 2023 +0200
    Primer commit

oskar@oskar MINGW64 /f/Daw/GIT/S2R1 (test)
$
```

Cambia a la rama master. Incorpora los cambios de la rama test a la rama master.

```
Oskar@Oskar MINGW64 /f/Daw/GIT/S2R1 (test)
$ git status
On branch test
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    actrices.txt

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

Oskar@Oskar MINGW64 /f/Daw/GIT/S2R1 (test)
$ git add .

Oskar@Oskar MINGW64 /f/Daw/GIT/S2R1 (test)
$ git commit -m "Actrices"
[test 75aa87c] Actrices
1 file changed, 3 insertions(+)
create mode 100644 actrices.txt

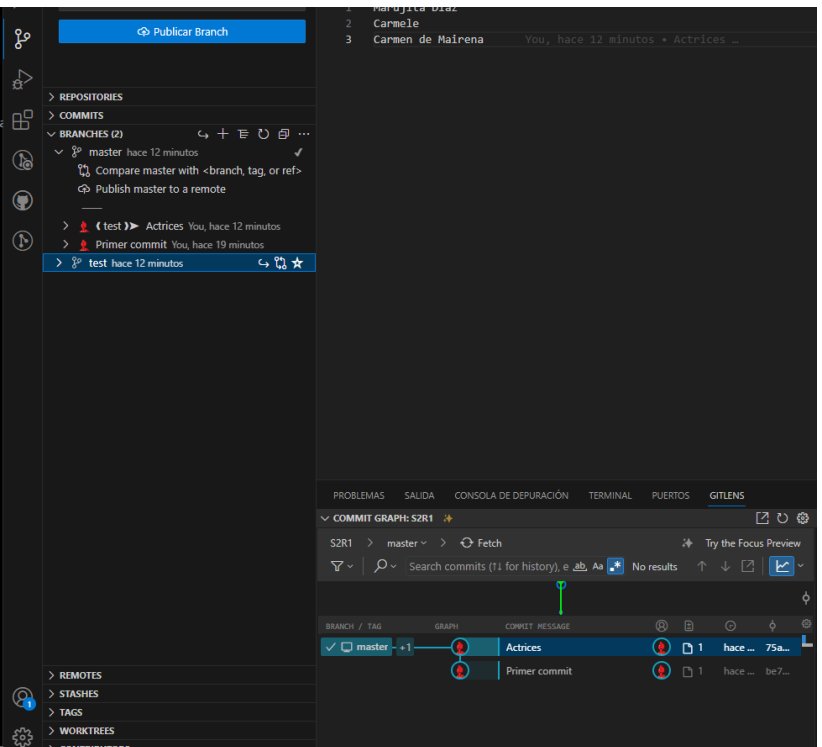
Oskar@Oskar MINGW64 /f/Daw/GIT/S2R1 (test)
$ git status
On branch test
nothing to commit, working tree clean

Oskar@Oskar MINGW64 /f/Daw/GIT/S2R1 (test)
$ git log --graph --all
* commit 75aa87cfd83b809e2df3cec025a9b82b978426a2 (HEAD -> test)
  Author: Oskar Borrajo <oscborgra@alu.edu.gva.es>
  Date: Tue Sep 26 00:19:02 2023 +0200
    Actrices
* commit be7435d5dd9b12c6541eb766133f7a477947a287 (master)
  Author: Oskar Borrajo <oscborgra@alu.edu.gva.es>
  Date: Tue Sep 26 00:12:06 2023 +0200
    Primer commit

Oskar@Oskar MINGW64 /f/Daw/GIT/S2R1 (test)
$ git checkout master
Switched to branch 'master'

Oskar@Oskar MINGW64 /f/Daw/GIT/S2R1 (master)
$ git merge test
Updating be7435d..75aa87c
Fast-forward
  actrices.txt | 3 +++
  1 file changed, 3 insertions(+)
  create mode 100644 actrices.txt

Oskar@Oskar MINGW64 /f/Daw/GIT/S2R1 (master)
$
```



Crea una segunda rama denominada test2 ;En la rama master, añade una actriz al fichero actrices.txt y haz un commit

```
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/S2R2 (master)
$ git log --graph --all
* commit 344493fc0ddec722d1f5eeaf9bf3755f90245050 (HEAD -> master, test)
  Author: Oskar Borrajo <oscborgra@alu.edu.gva.es>
  Date: Tue Sep 26 20:34:07 2023 +0200
    actrices
* commit 0fe95e2e3122fc750a8b228e6c5193b70bd97621
  Author: Oskar Borrajo <oscborgra@alu.edu.gva.es>
  Date: Tue Sep 26 20:30:47 2023 +0200
    Actores

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/S2R2 (master)
$ git checkout -b test2
Switched to a new branch 'test2'

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/S2R2 (test2)
$ git checkout master
Switched to branch 'master'
M   actrices.txt

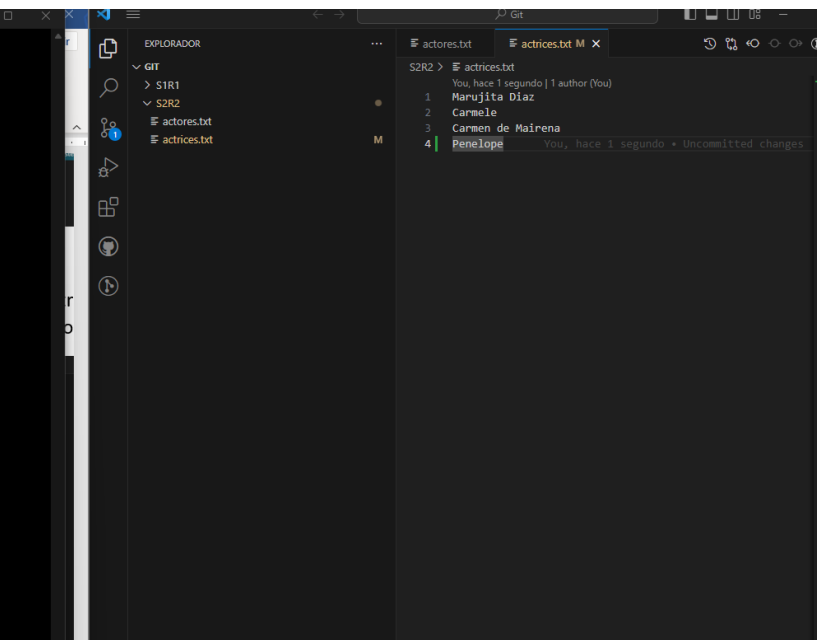
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/S2R2 (master)
$ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    modified:   actrices.txt

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

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/S2R2 (master)
$ git add .

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/S2R2 (master)
$ git commit -m "+ una Actriz"
[master 1d88291] + una Actriz
1 file changed, 2 insertions(+), 1 deletion(-)

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/S2R2 (master)
$
```





Cambia a la rama test2 ; En la rama test2, añade una actriz al fichero actrices.txt y haz otro commit.

```
MINGW64~/Daw/Cliente/Git/S2R2
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/S2R2 (master)
$ git checkout test2
Switched to branch 'test2'

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/S2R2 (test2)
$ git status
On branch test2
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:   actrices.txt

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

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/S2R2 (test2)
$ git diff
diff --git a/actrices.txt b/actrices.txt
index 1b89019..51a3ee1 100644
--- a/actrices.txt
+++ b/actrices.txt
@@ -1,3 +1,4 @@
 Marujita Diaz
 Carmele
-Carmen de Mairena
\ No newline at end of file
+Carmen de Mairena
+Aida

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/S2R2 (test2)
$
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/S2R2 (test2)
$ git add .
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/S2R2 (test2)
$ git commit -m " + Aida"
[test2 1d5a355] + Aida
1 file changed, 2 insertions(+), 1 deletion(-)

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/S2R2 (test2)
$
```

Haz una captura de pantalla del resultado del comando git log --graph --all.

```
MINGW64~/Daw/Cliente/Git/S2R2
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/S2R2 (test2)
$ git log --graph --all
* commit 1d882910717f726966330d56391463ee948e1b40 (master)
  Author: Oskar Borrajo <oscborra@alu.edu.gva.es>
  Date: Tue Sep 26 21:38:09 2023 +0200
    + Aida

* commit 344493fc0dde722d1f5eaf9bf3755f90245050 (test)
  Author: Oskar Borrajo <oscborra@alu.edu.gva.es>
  Date: Tue Sep 26 20:34:07 2023 +0200
    + una Actriz

* commit 0fe95e2e3122fc750a8b228e6c5193b70bd97621
  Author: Oskar Borrajo <oscborra@alu.edu.gva.es>
  Date: Tue Sep 26 20:30:47 2023 +0200
    actores

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/S2R2 (test2)
$
```

Cambia a la rama master ,Incorpora los cambios de la rama test2 a la rama master. ¿Se produce un conflicto? De ser así realiza una captura del comando git status.

```
MINGW64~/Daw/Cliente/Git/S2R2
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/S2R2 (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.

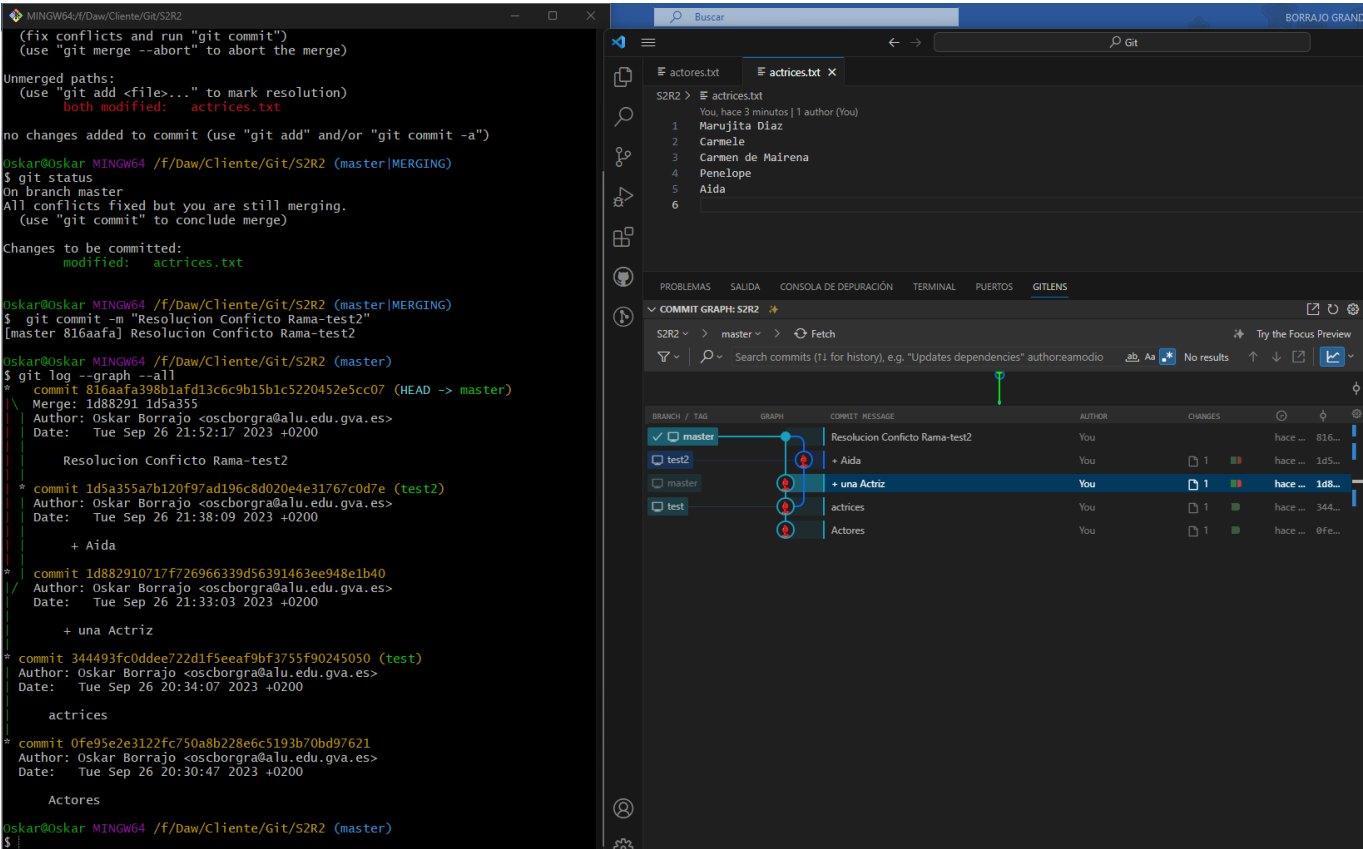
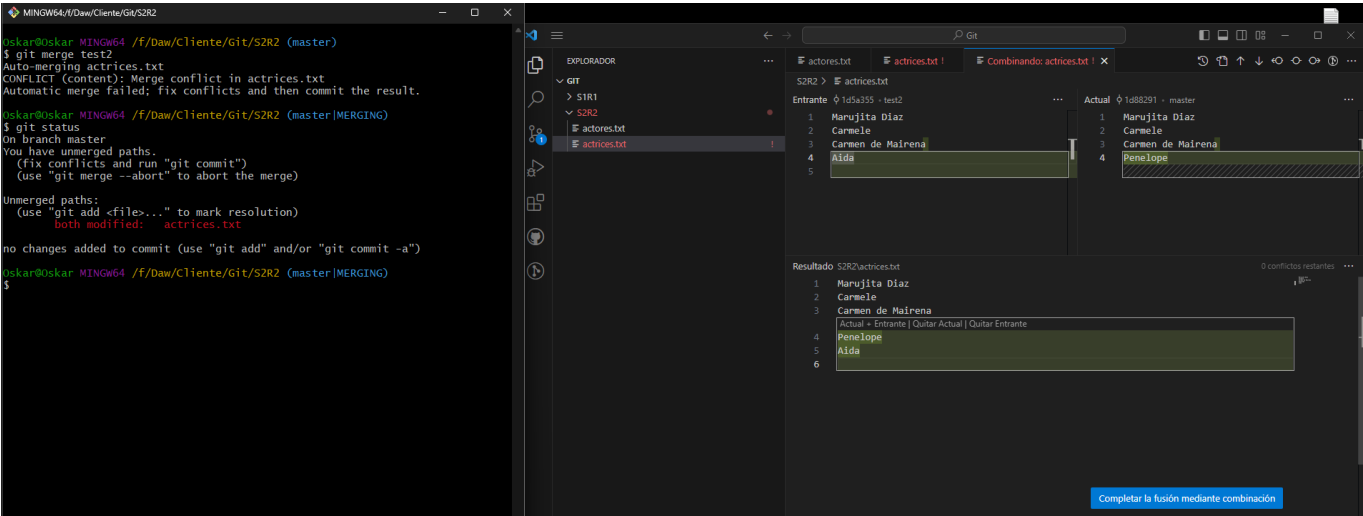
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/S2R2 (master|MERGING)
$ git status
On branch master
You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)

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")

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/S2R2 (master|MERGING)
$
```

Resuelve el conflicto incorporando los dos nombres de actrices. Haz una captura de pantalla del resultado del comando git log --graph --all.



2. Crea una carpeta denominada SR2-remoto, Clona el repositorio SR2-remoto en una carpeta denominada SR2



```
MINGW64:/f/Daw/Cliente/Git
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git
$ ls
S1R1/  S2R2/  SR2-remoto/

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git
$ cd SR2-remoto

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR2-remoto (BARE:master)
$ git init --bare
Reinitialized existing Git repository in F:/Daw/Cliente/Git/SR2-remoto/

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR2-remoto (BARE:master)
$ cd ..

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git
$ ls
S1R1/  S2R2/  SR2-remoto/

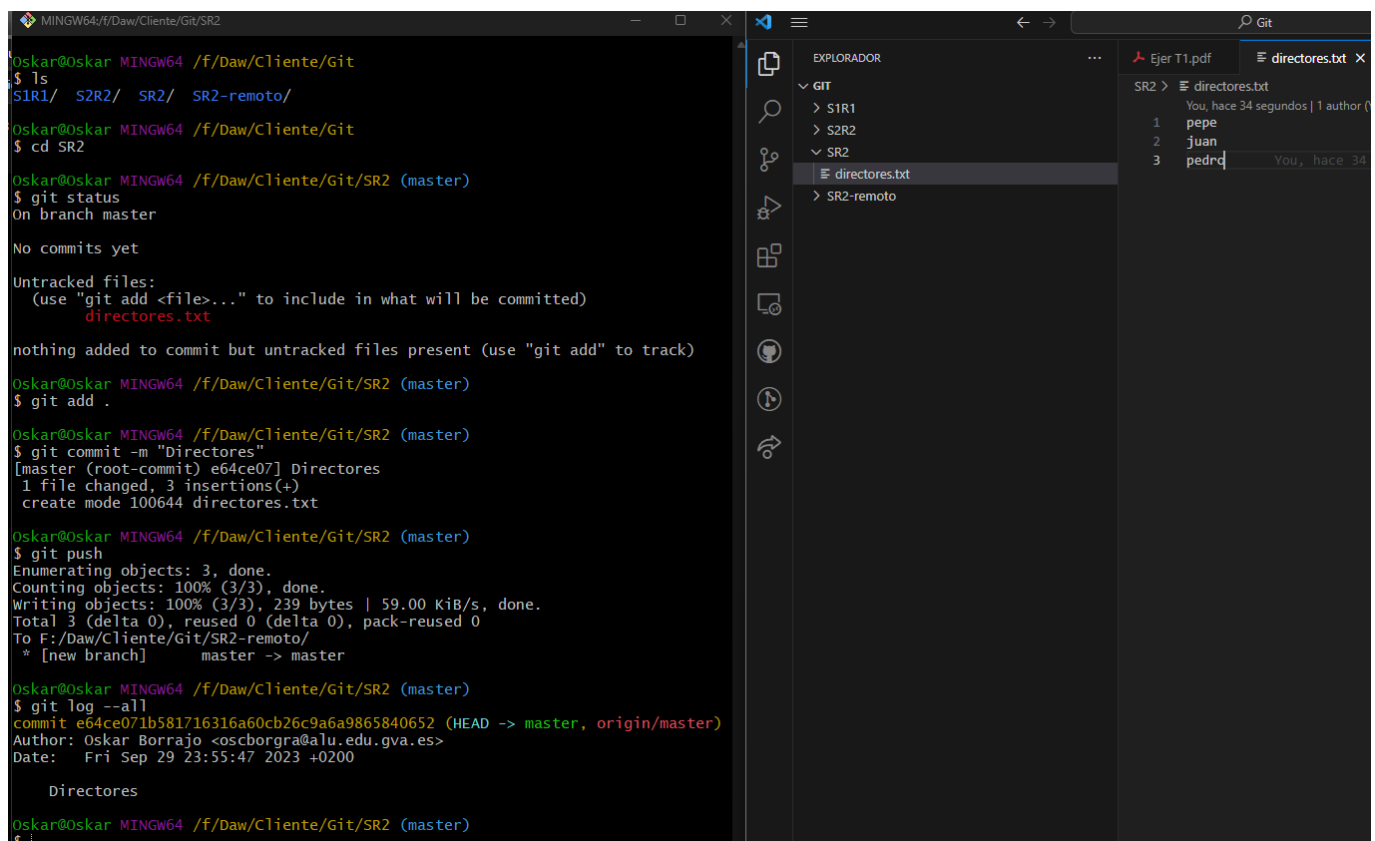
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git
$ git clone SR2-remoto/ SR2
Cloning into 'SR2'...
warning: You appear to have cloned an empty repository.
done.

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git
$
```

The file explorer on the right shows the following structure:

- EXPLORADOR
  - ✓ GIT
    - > S1R1
    - > S2R2
    - ✓ SR2
      - ✓ SR2-remoto
        - > hooks
        - > info
        - > objects
        - > refs
        - ≡ config
        - ≡ description
        - ≡ HEAD

Crea un archivo denominado directores.txt, Haz un commit. Realiza un push



```
MINGW64:/f/Daw/Cliente/Git/SR2
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git
$ ls
S1R1/  S2R2/  SR2/  SR2-remoto/

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git
$ cd SR2

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR2 (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    directores.txt

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

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR2 (master)
$ git add .

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR2 (master)
$ git commit -m "Directores"
[master (root-commit) e64ce07] Directores
1 file changed, 3 insertions(+)
create mode 100644 directores.txt

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR2 (master)
$ git push
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 239 bytes | 59.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To F:/Daw/Cliente/Git/SR2-remoto/
* [new branch]      master -> master

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR2 (master)
$ git log --all
commit e64ce071b581716316a60cb26c9a6a9865840652 (HEAD -> master, origin/master)
Author: Oskar Borrajo <oscborra@alu.edu.gva.es>
Date:   Fri Sep 29 23:55:47 2023 +0200

    Directores

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR2 (master)
$
```

The file explorer on the right shows the following structure:

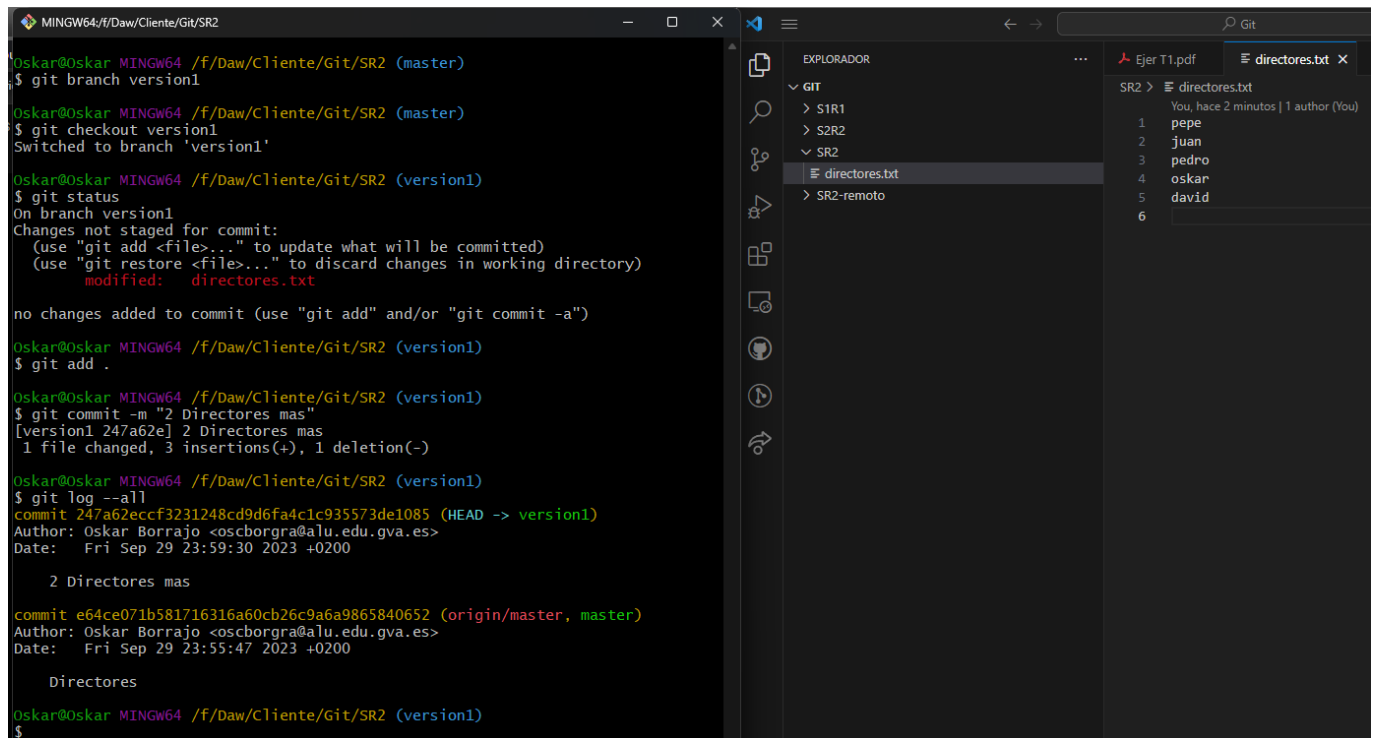
- EXPLORADOR
  - ✓ GIT
    - > S1R1
    - > S2R2
    - ✓ SR2
      - ≡ directores.txt
      - > SR2-remoto

The file explorer also shows a preview of the file `directores.txt` with the following content:

```
1 pepe
2 juan
3 pedro
```

Crea una rama denominada version1.

Cambia a la rama version1. En la rama version1 añade el nombre de dos directores de cine más al archivo directores.txt y haz un commit de los cambios.



The screenshot shows a Windows terminal window with the following commands and output:

```
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR2 (master)
$ git branch version1

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR2 (master)
$ git checkout version1
Switched to branch 'version1'

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR2 (version1)
$ git status
On branch version1
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:   directores.txt

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

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR2 (version1)
$ git add .

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR2 (version1)
$ git commit -m "2 Directores mas"
[version1 247a62e] 2 Directores mas
1 file changed, 3 insertions(+), 1 deletion(-)

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR2 (version1)
$ git log --all
commit 247a62eccf3231248cd9d6fa4c1c935573de1085 (HEAD -> version1)
Author: Oskar Borrajo <oscborgra@alu.edu.gva.es>
Date:   Fri Sep 29 23:59:30 2023 +0200

    2 Directores mas

commit e64ce071b581716316a60cb26c9a6a9865840652 (origin/master, master)
Author: Oskar Borrajo <oscborgra@alu.edu.gva.es>
Date:   Fri Sep 29 23:55:47 2023 +0200

    Directores

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR2 (version1)
$
```

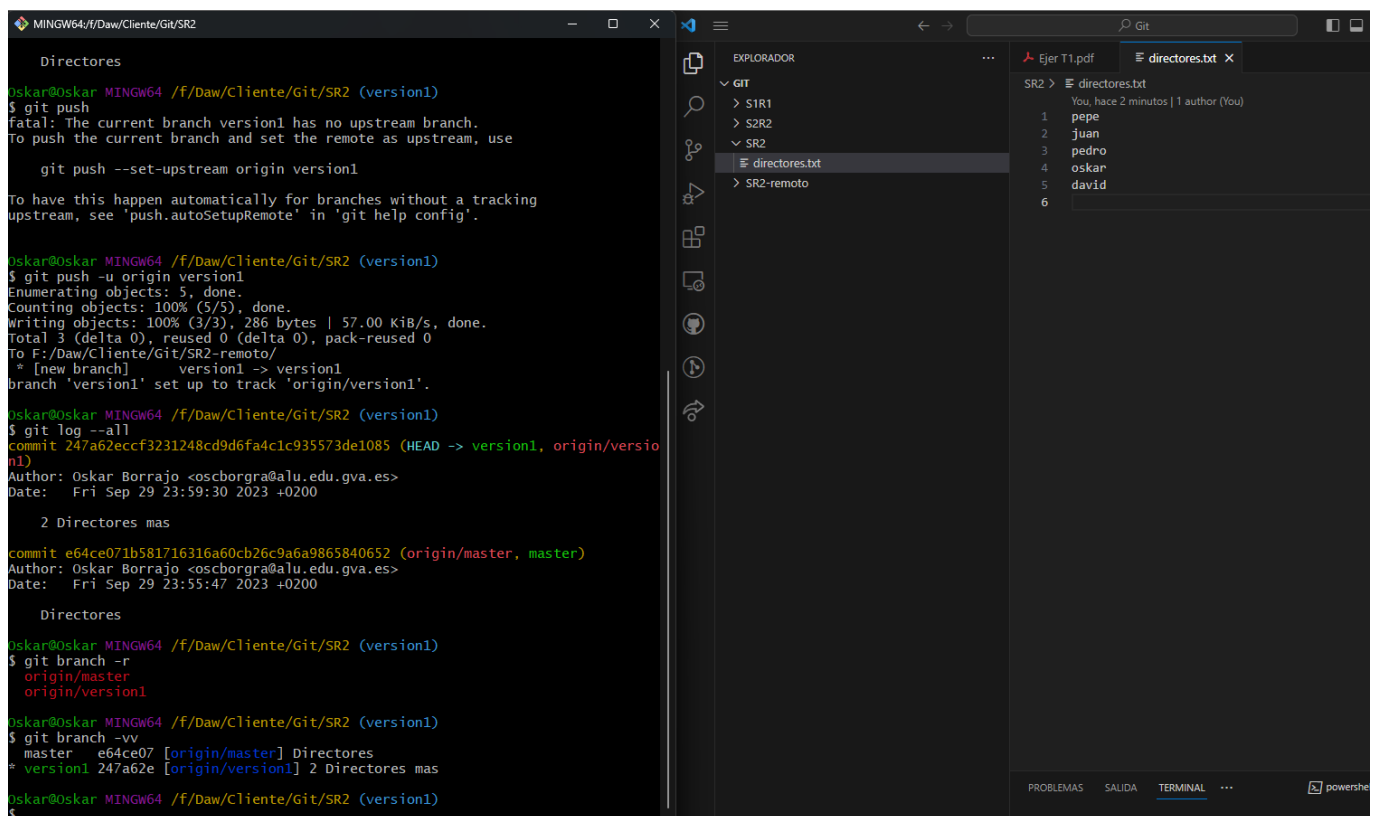
The VS Code editor shows the file explorer with the following structure:

- Git
- S1R1
- S2R2
- SR2
  - directores.txt
  - SR2-remoto

The file explorer also shows the content of the file `directores.txt`:

```
1 pepe
2 juan
3 pedro
4 oskar
5 david
6
```

g) Realiza un push de la rama al repositorio remoto de manera que quede asociada a la rama remota del mismo nombre



The screenshot shows a Windows terminal window with the following commands and output:

```
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR2 (version1)
$ git push
fatal: The current branch version1 has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin version1

To have this happen automatically for branches without a tracking
upstream, see 'push.autoSetupRemote' in 'git help config'.

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR2 (version1)
$ git push -u origin version1
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Writing objects: 100% (3/3), 286 bytes | 57.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To F:/Daw/Cliente/Git/SR2-remoto/
 * [new branch]      version1 -> version1
branch 'version1' set up to track 'origin/version1'.

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR2 (version1)
$ git log --all
commit 247a62eccf3231248cd9d6fa4c1c935573de1085 (HEAD -> version1, origin/version1)
Author: Oskar Borrajo <oscborgra@alu.edu.gva.es>
Date:   Fri Sep 29 23:59:30 2023 +0200

    2 Directores mas

commit e64ce071b581716316a60cb26c9a6a9865840652 (origin/master, master)
Author: Oskar Borrajo <oscborgra@alu.edu.gva.es>
Date:   Fri Sep 29 23:55:47 2023 +0200

    Directores

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR2 (version1)
$ git branch -r
origin/master
origin/version1

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR2 (version1)
$ git branch -vv
master e64ce07 [origin/master] Directores
* version1 247a62e [origin/version1] 2 Directores mas

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR2 (version1)
$
```

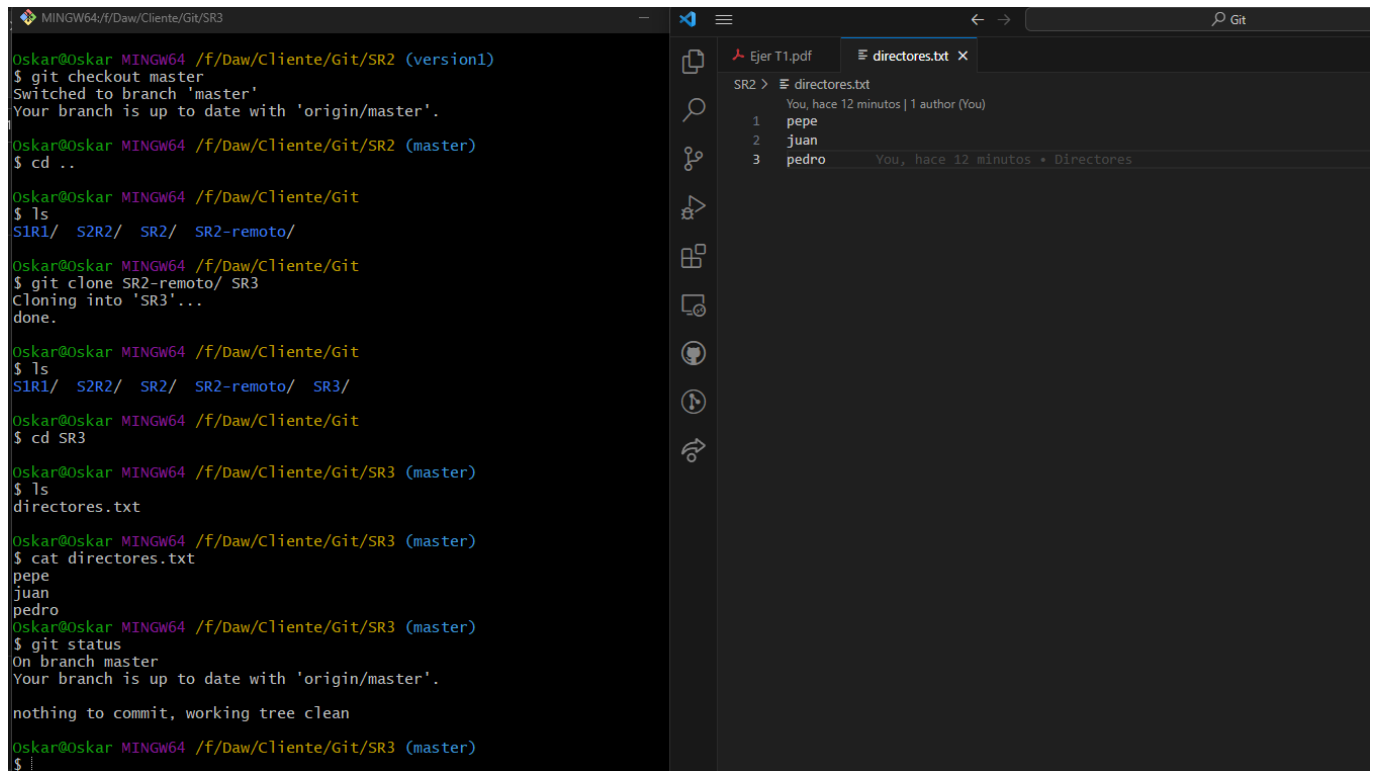
The VS Code editor shows the file explorer with the following structure:

- Git
- S1R1
- S2R2
- SR2
  - directores.txt
  - SR2-remoto

The file explorer also shows the content of the file `directores.txt`:

```
1 pepe
2 juan
3 pedro
4 oskar
5 david
6
```

Clona el repositorio S2R2-remoto en una segunda carpeta denominada S2R3



```
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR2 (version1)
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR2 (master)
$ cd ..

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git
$ ls
SR1/  SR2/  SR2/  SR2-remoto/

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git
$ git clone SR2-remoto/ SR3
Cloning into 'SR3'...
done.

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git
$ ls
SR1/  SR2/  SR2/  SR2-remoto/  SR3/

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git
$ cd SR3

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR3 (master)
$ ls
directores.txt

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR3 (master)
$ cat directores.txt
pepe
juan
pedro

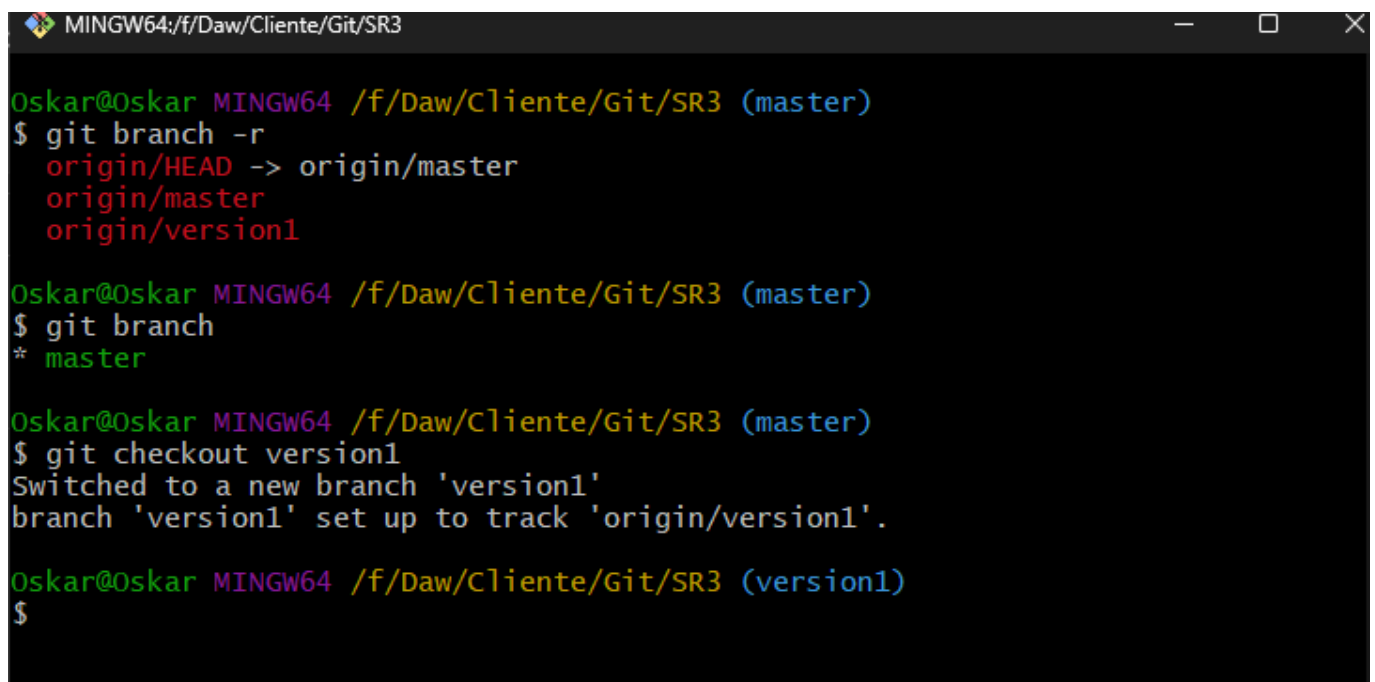
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR3 (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR3 (master)
$
```

The file explorer on the right shows the contents of the 'directores.txt' file in the 'SR2' directory. It lists three entries: 1. pepe, 2. juan, and 3. pedro, all authored by 'You' 12 minutes ago.

Cambia a la rama version1. Muestra el resultado del comando. Comprueba que se crea una rama local version1 con el contenido de la rama remota origin/version1 y enlazada con ella



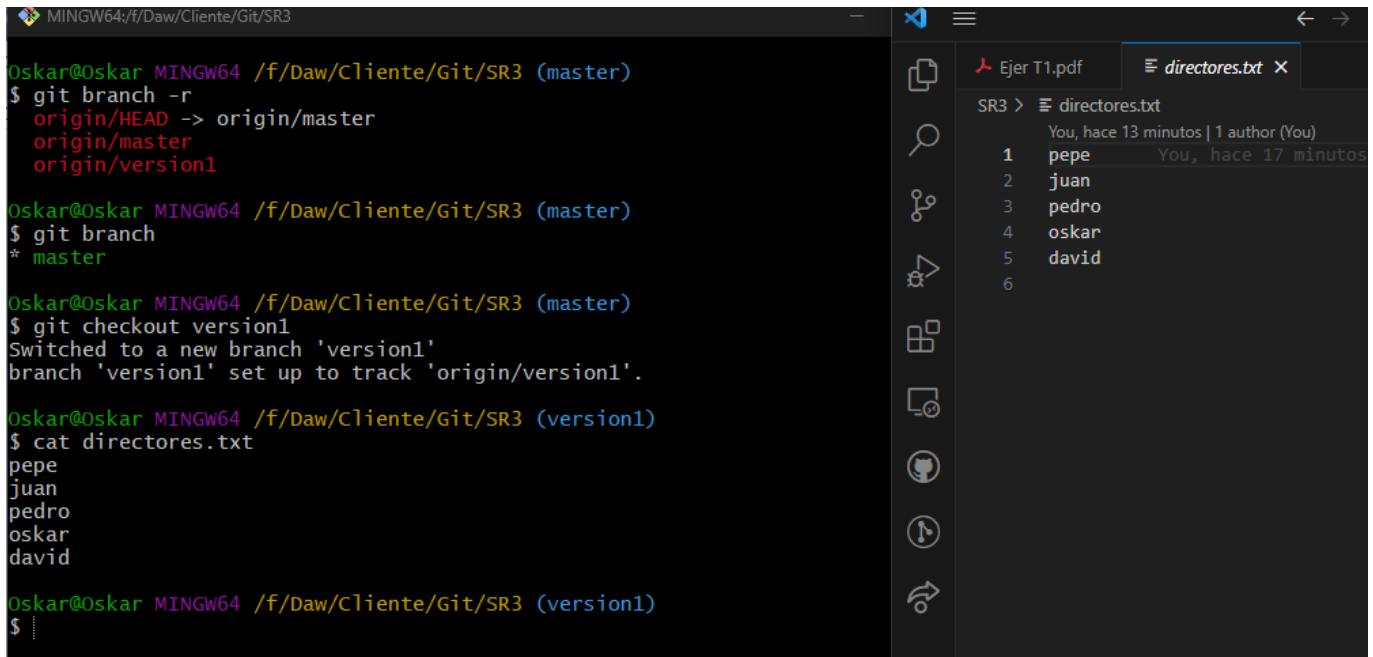
```
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR3 (master)
$ git branch -r
origin/HEAD -> origin/master
origin/master
origin/version1

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR3 (master)
$ git branch
* master

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR3 (master)
$ git checkout version1
Switched to a new branch 'version1'
branch 'version1' set up to track 'origin/version1'.

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR3 (version1)
$
```

Muestra el contenido del fichero directores.txt por la pantalla



```
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR3 (master)
$ git branch -r
  origin/HEAD -> origin/master
  origin/master
  origin/version1

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR3 (master)
$ git branch
* master

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR3 (master)
$ git checkout version1
Switched to a new branch 'version1'
branch 'version1' set up to track 'origin/version1'.

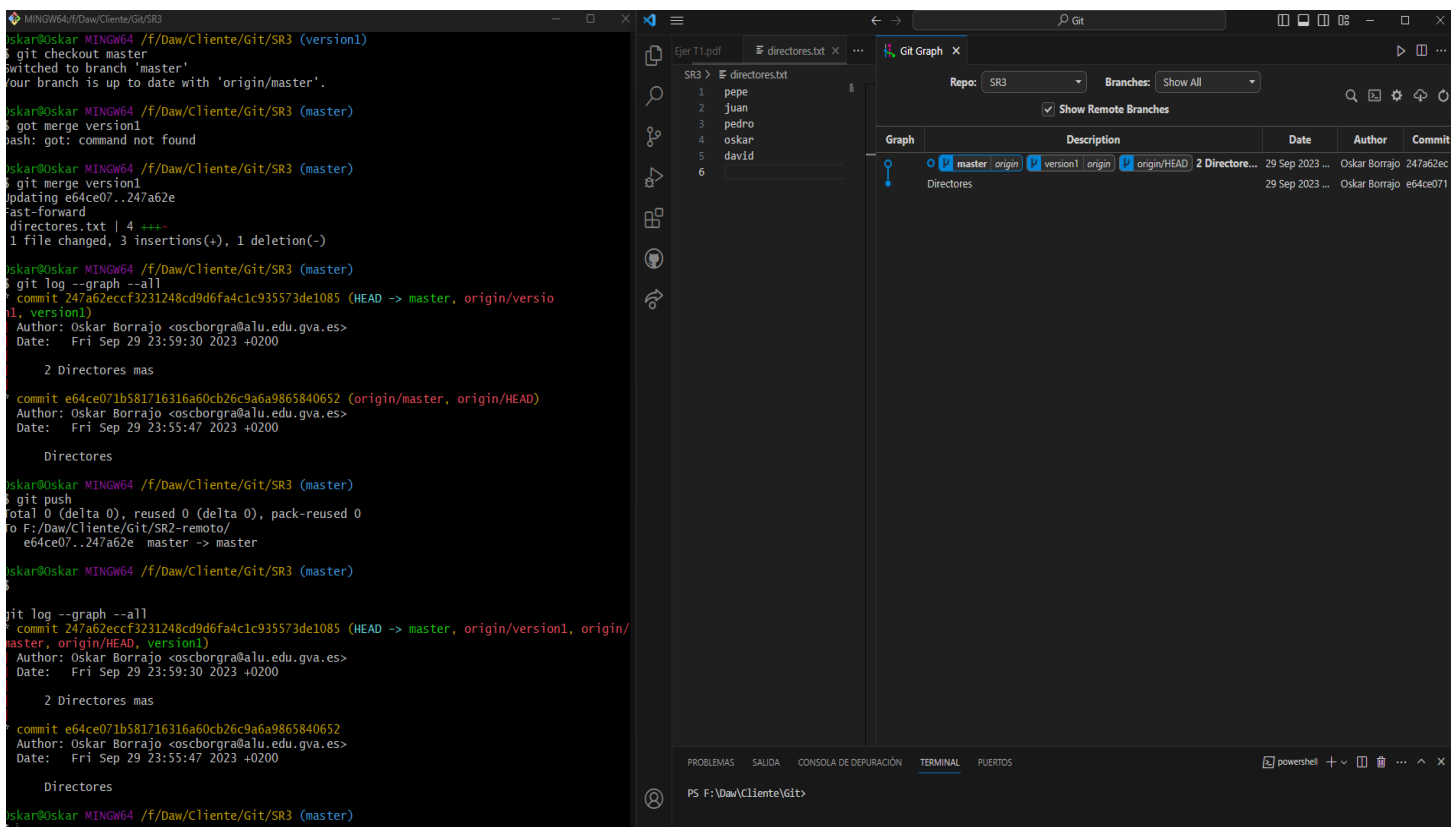
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR3 (version1)
$ cat directores.txt
pepe
juan
pedro
oskar
david

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR3 (version1)
$
```

The file explorer on the right shows the content of `directores.txt`:

```
SR3 > directores.txt
You, hace 13 minutos | 1 author (You)
1 pepe
2 juan
3 pedro
4 oskar
5 david
6
```

d) Cambia a la rama master. e) Incorpora los cambios de la rama version1 a la rama master. f) Sube la rama master actualizada al servidor. Adjunta captura de pantalla del resultado del comando.



```
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR3 (version1)
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR3 (master)
$ git merge version1
bash: git: command not found

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR3 (master)
$ git merge version1
Updating e64ce07..247a62e
Fast-forward
 directores.txt | 4 +++
 1 file changed, 3 insertions(+), 1 deletion(-)

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR3 (master)
$ git log --graph --all
* commit 247a62eccf3231248cd9d6fa4c1c935573de1085 (HEAD -> master, origin/version1, origin/master)
  Author: Oskar Borrajo <oscborgra@alu.edu.gva.es>
  Date:   Fri Sep 29 23:59:30 2023 +0200

    2 Directores mas

* commit e64ce071b581716316a60cb26c9a6a9865840652 (origin/master, origin/HEAD)
  Author: Oskar Borrajo <oscborgra@alu.edu.gva.es>
  Date:   Fri Sep 29 23:55:47 2023 +0200

    Directores

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR3 (master)
$ git push
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
To F:/Daw/Cliente/Git/SR2-remoto/
 e64ce07..247a62e master -> master

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR3 (master)
$ git log --graph --all
* commit 247a62eccf3231248cd9d6fa4c1c935573de1085 (HEAD -> master, origin/version1, origin/master, origin/HEAD, version1)
  Author: Oskar Borrajo <oscborgra@alu.edu.gva.es>
  Date:   Fri Sep 29 23:59:30 2023 +0200

    2 Directores mas

* commit e64ce071b581716316a60cb26c9a6a9865840652
  Author: Oskar Borrajo <oscborgra@alu.edu.gva.es>
  Date:   Fri Sep 29 23:55:47 2023 +0200

    Directores

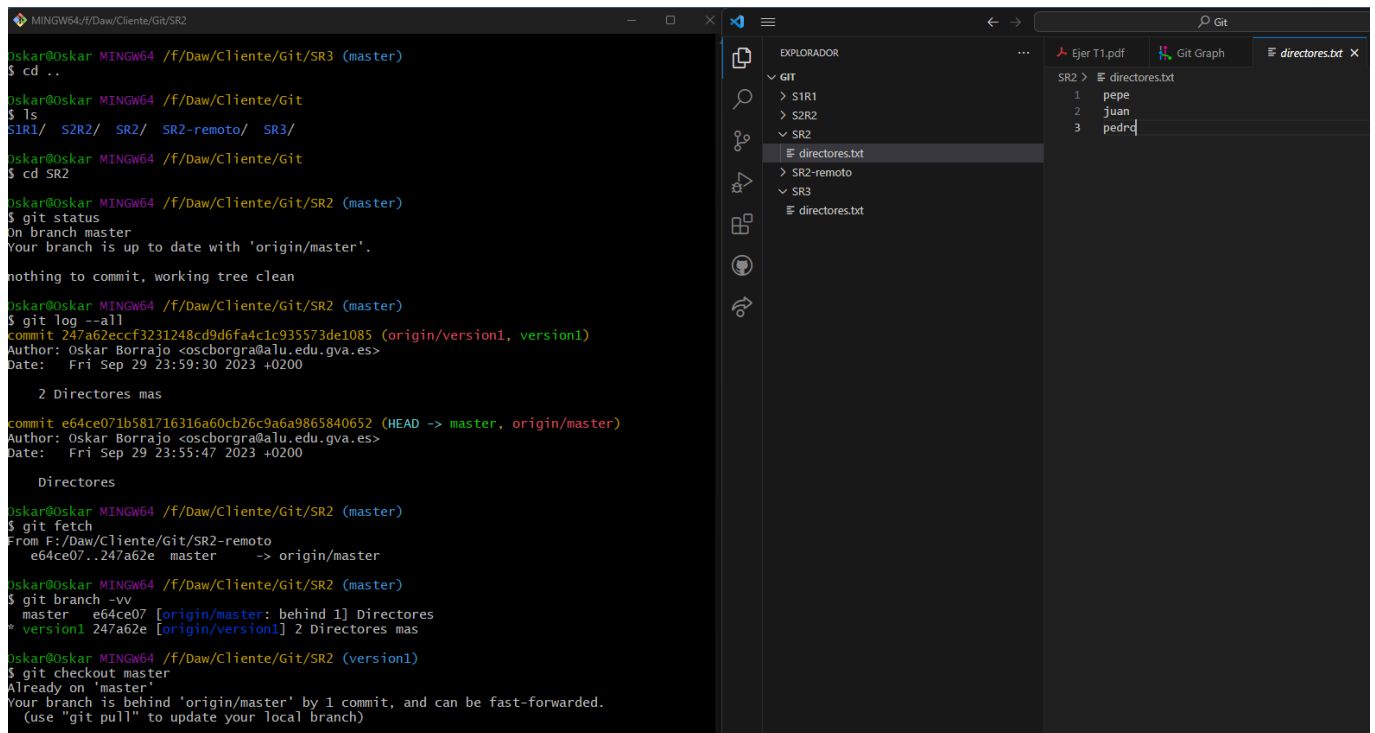
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/SR3 (master)
$
```

The Git Graph window shows the commit history:

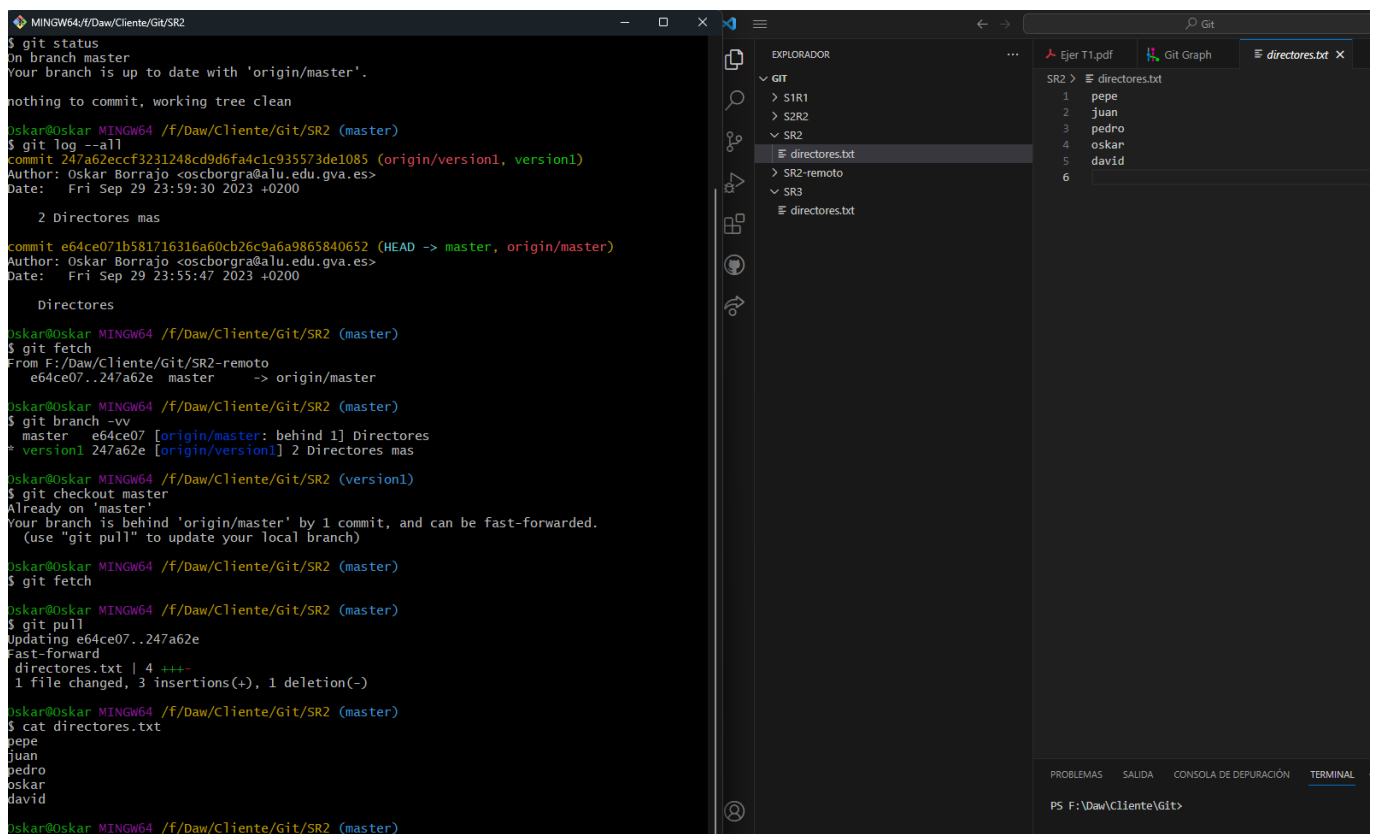
Graph	Description	Date	Author	Commit
2 Directores...	2 Directores...	29 Sep 2023 ...	Oskar Borrajo	247a62ec
Directores	Directores	29 Sep 2023 ...	Oskar Borrajo	e64ce071

5. Vuelve de nuevo a la carpeta S2R2 y realiza las siguientes acciones:

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.



b) Actualiza la rama master local con el contenido de la rama master del repositorio remoto. Adjunta captura de pantalla del resultado del comando utilizado. c) Comprueba que aparecen los 5 nombres de directores esperados.



## 4. GitHub

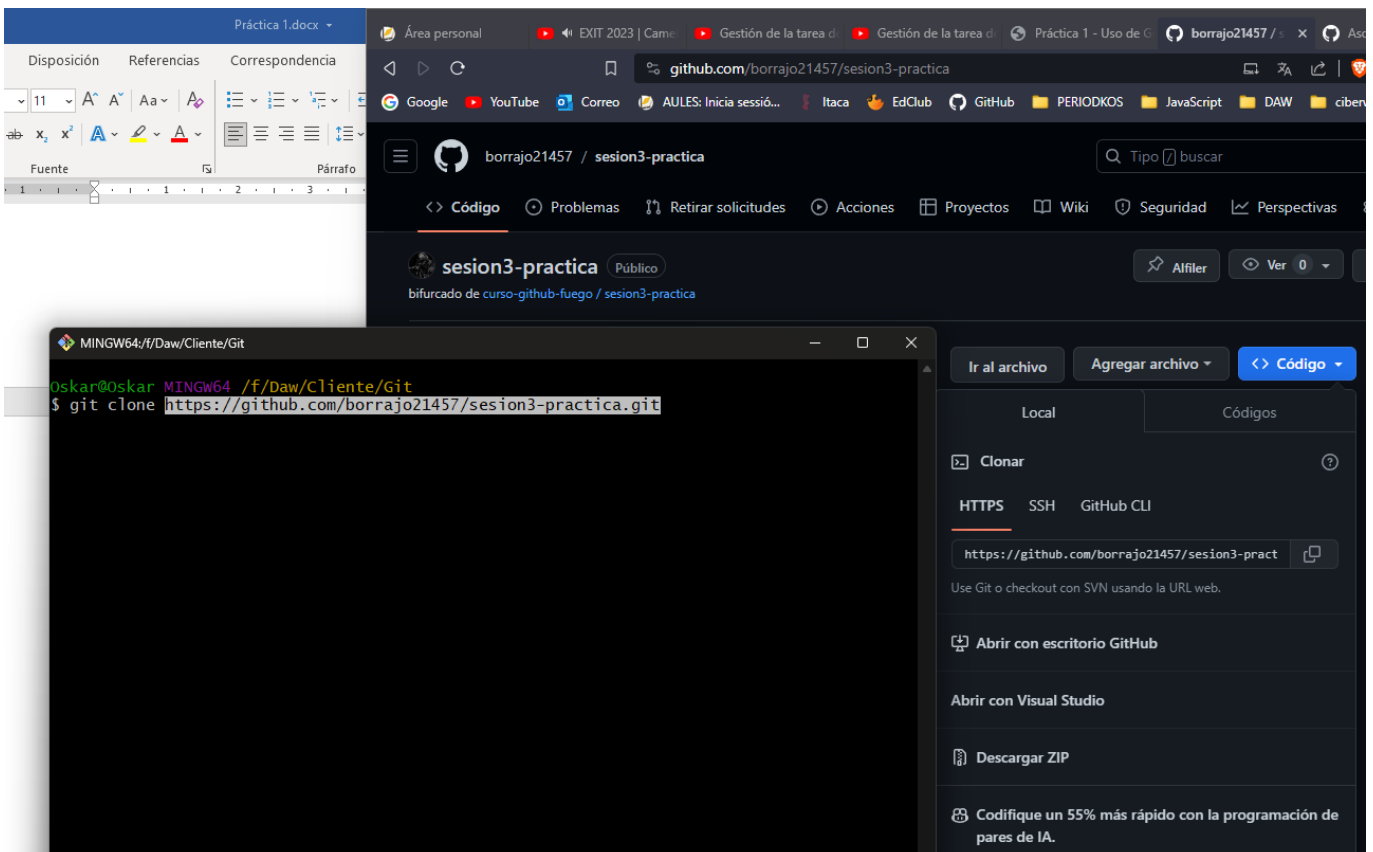
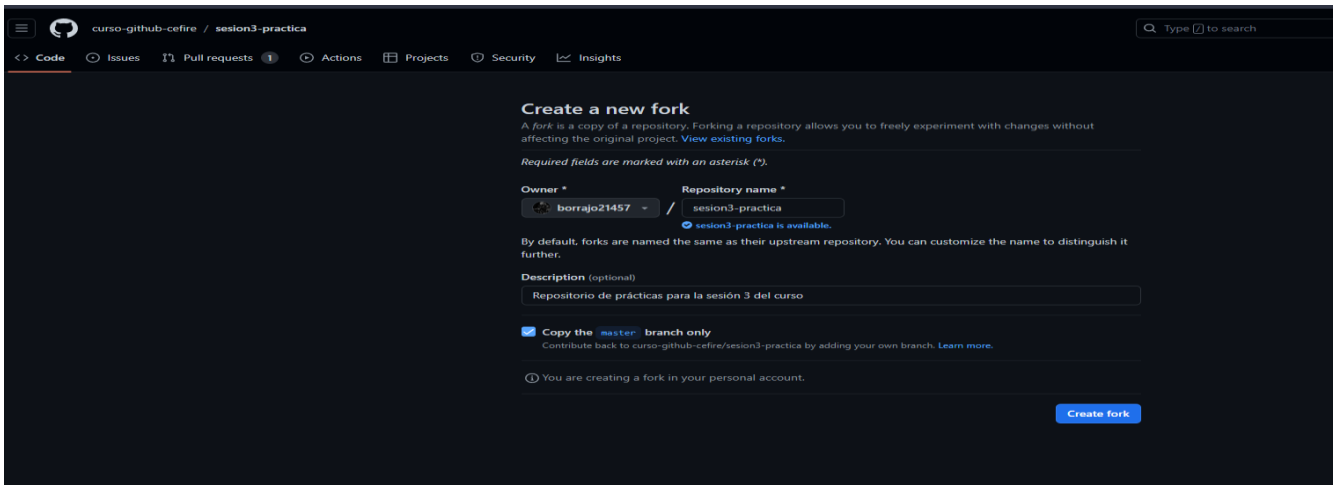
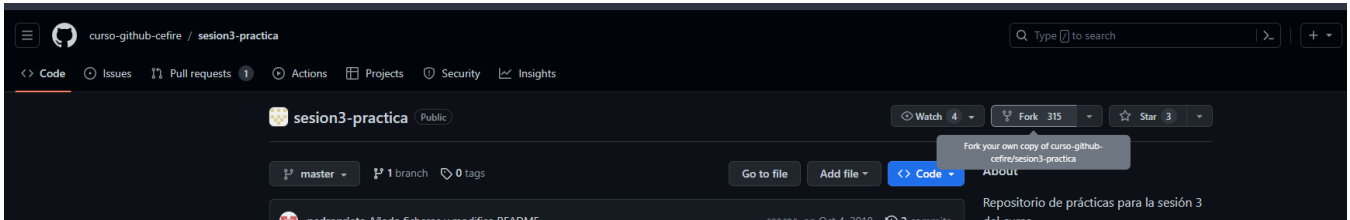
1. Crea una cuenta en GitHub 2. Añade tu dirección de correo de educación 3. Solicita un descuento para uso educativo: <https://education.github.com/pack>

Ya realizados en Cursos pasados

<https://github.com/borrajo21457>



4. Haz un fork del repositorio <https://github.com/curso-github-cefire/sesion3-practica>





a) Realiza un primer commit para poner tu nombre y apellidos en el fichero README.md

```
MINGW64:/f/Daw/Cliente/Git/sesion3-practica

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git
$ git clone https://github.com/borrajo21457/sesion3-practica.git
Cloning into 'sesion3-practica'...
remote: Enumerating objects: 10, done.
remote: Total 10 (delta 0), reused 0 (delta 0), pack-reused 10
Receiving objects: 100% (10/10), done.

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git
$ ls
SR1/ SR2/ sesion3-practica/ SR2/ SR2-remoto/

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git
$ cd sesion3-practica

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/sesion3-practica
$ ls
discos.txt libros.txt LICENSE peliculas.txt README.md

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/sesion3-practica
$ nano README.md
GNU nano 7.2 README.md
# Uso de Github en la práctica docente
## Práctica 3.2
Repositorio de prácticas para la sesión 3 del curso
Incluye a continuación tu nombre y apellidos:
Oskar Borrajo

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/sesion3-practica
$ git status
fatal: detected dubious ownership in repository at 'F:/Daw/Cliente/Git/sesion3-practica'
'F:/Daw/Cliente/Git/sesion3-practica' is on a file system that does not record ownership
To add an exception for this directory, call:

    git config --global --add safe.directory F:/Daw/Cliente/Git/sesion3-practica

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/sesion3-practica
$ git config --global --add safe.directory F:/Daw/Cliente/Git/sesion3-practica

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/sesion3-practica (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

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

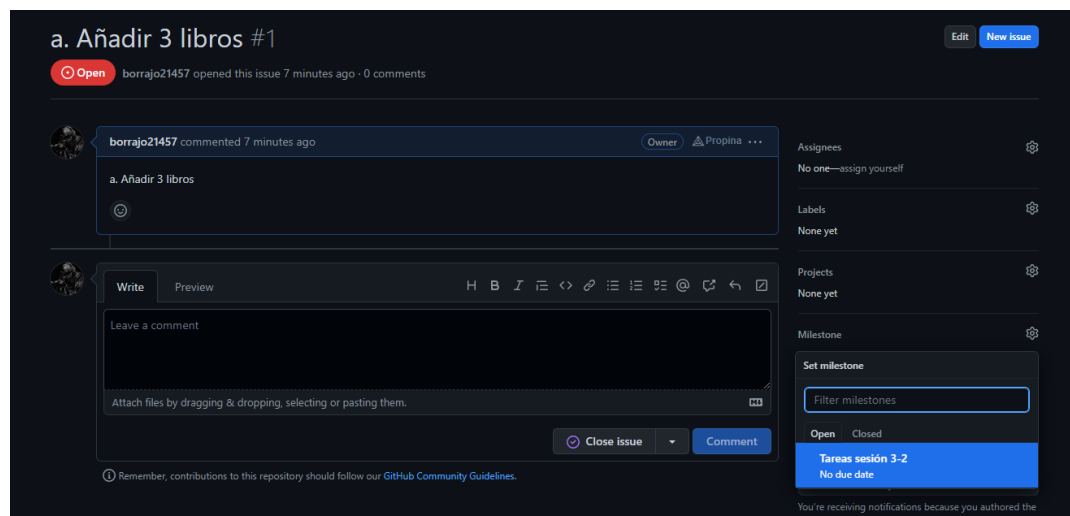
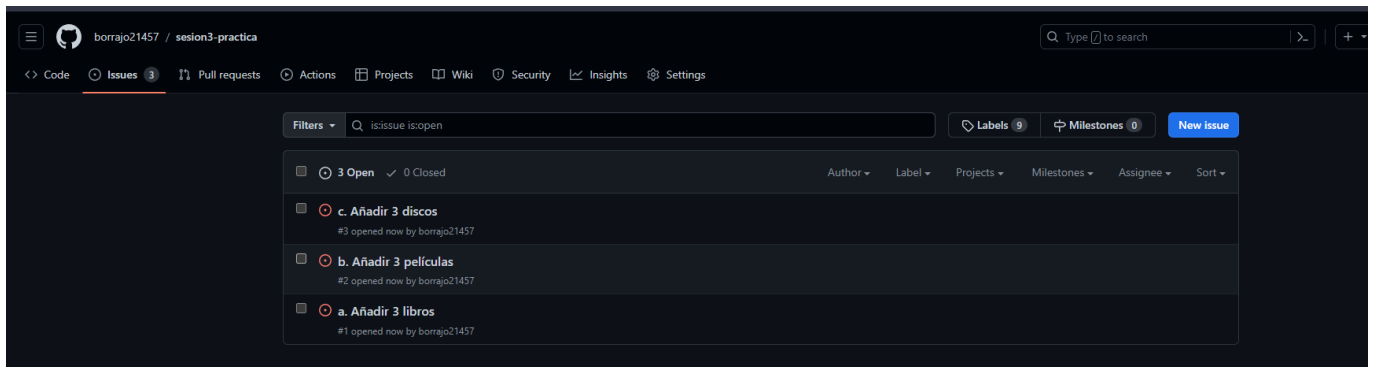
no changes added to commit (use "git add" and/or "git commit -a")

Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/sesion3-practica (master)
$ git add .

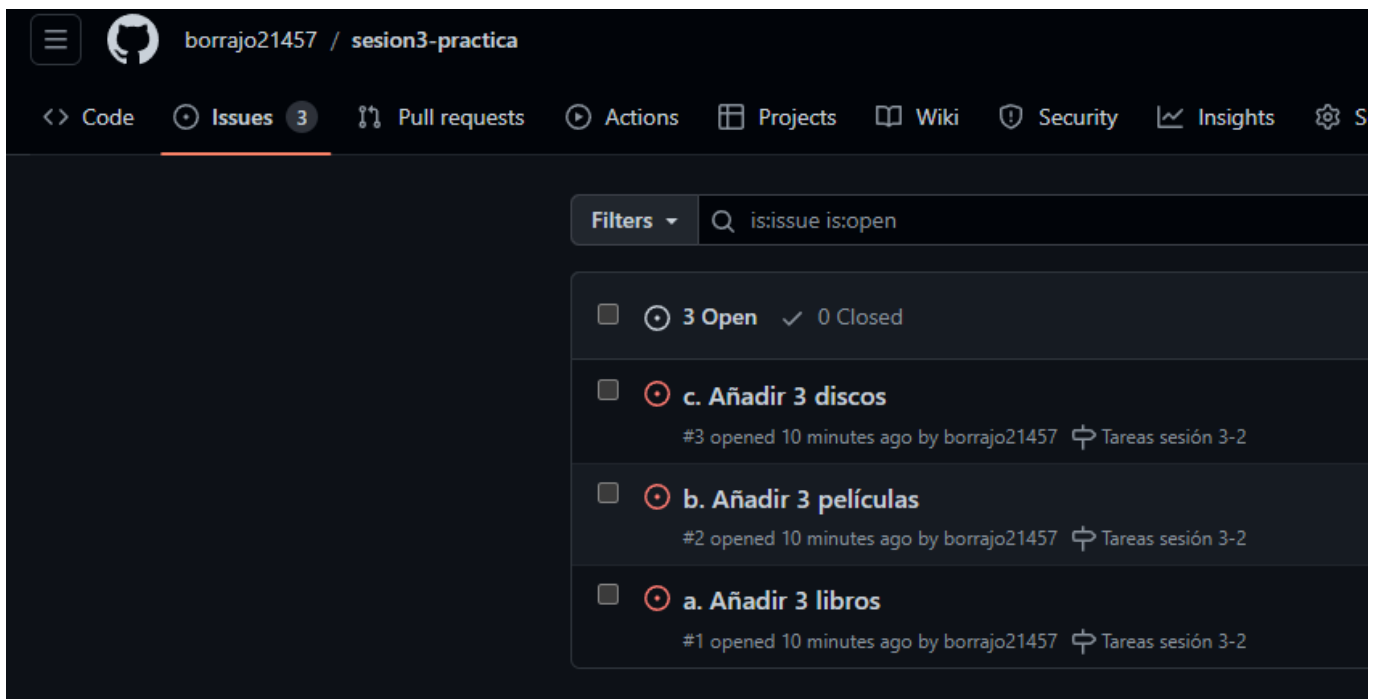
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/sesion3-practica (master)
$ git commit -m "Adjunto Nombre Apellido"
[master 5aaab8f] Adjunto Nombre Apellido
1 file changed, 2 insertions(+)

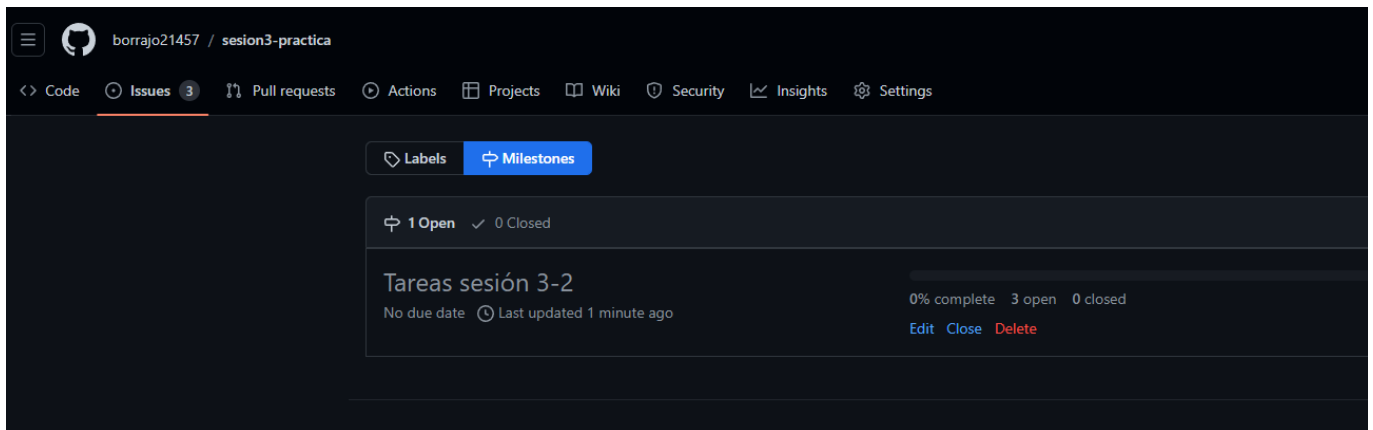
Oskar@Oskar MINGW64 /f/Daw/Cliente/Git/sesion3-practica (master)
$
```

- b) Crea 3 issues:
- Añadir 3 libros
  - Añadir 3 películas
  - Añadir 3 discos

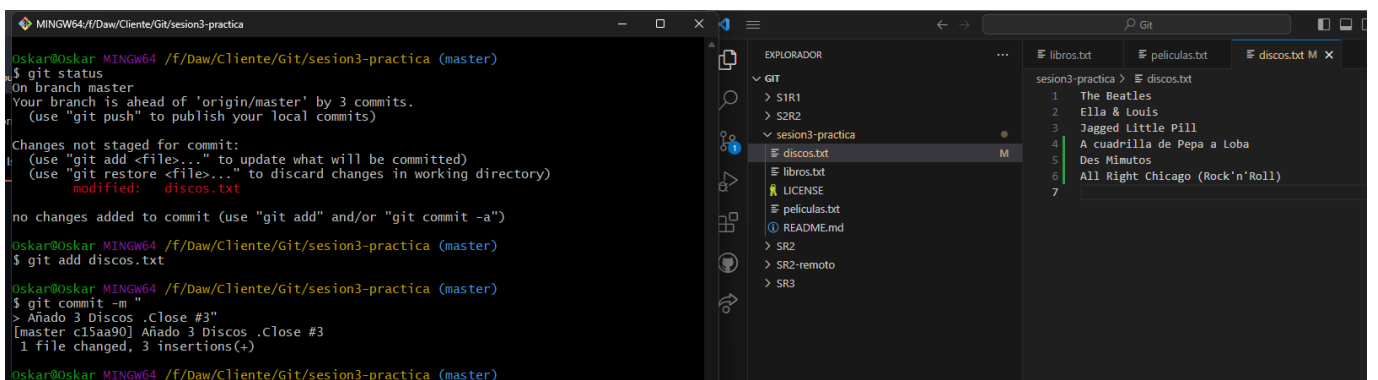
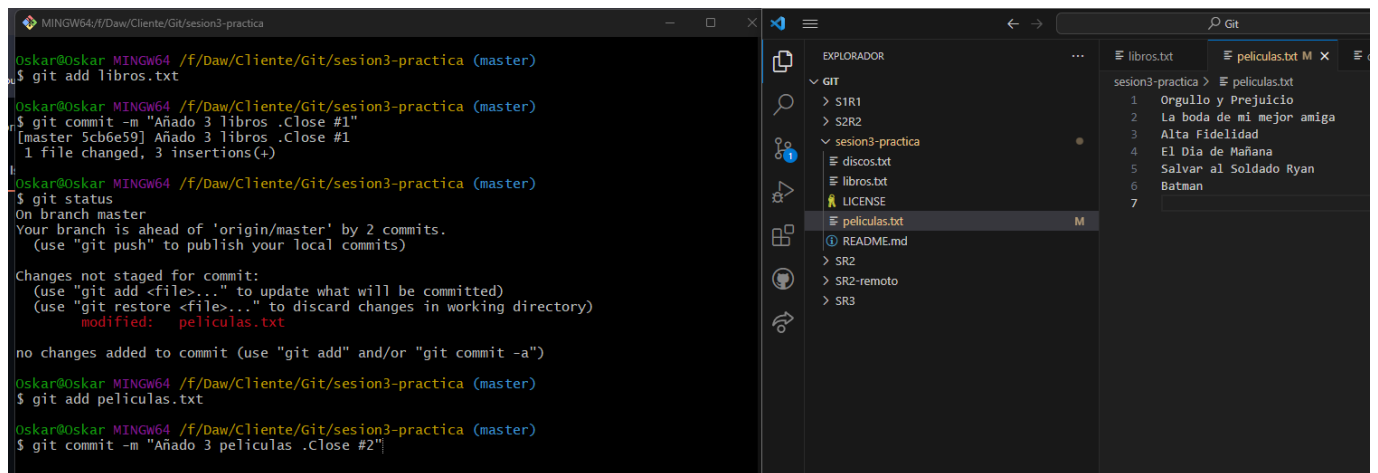
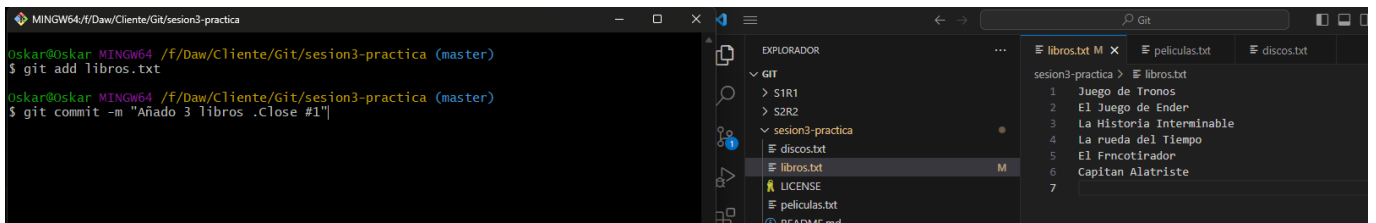


- c) Crea una milestone denominada Tareas sesión 3-2 que contenga los 3 issues creados.

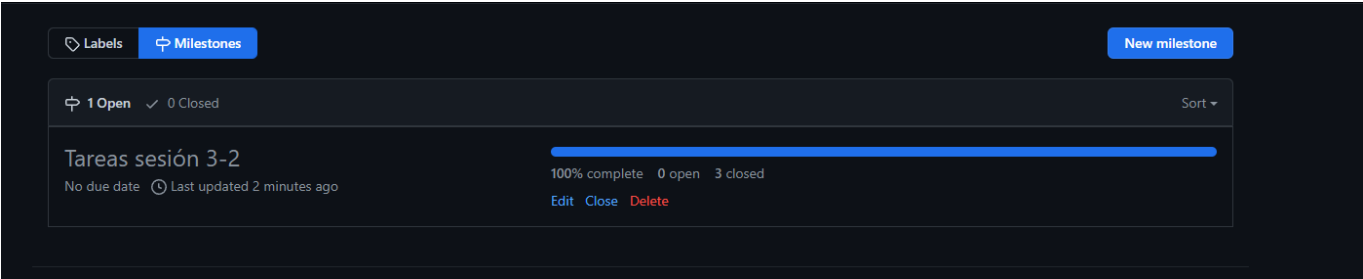
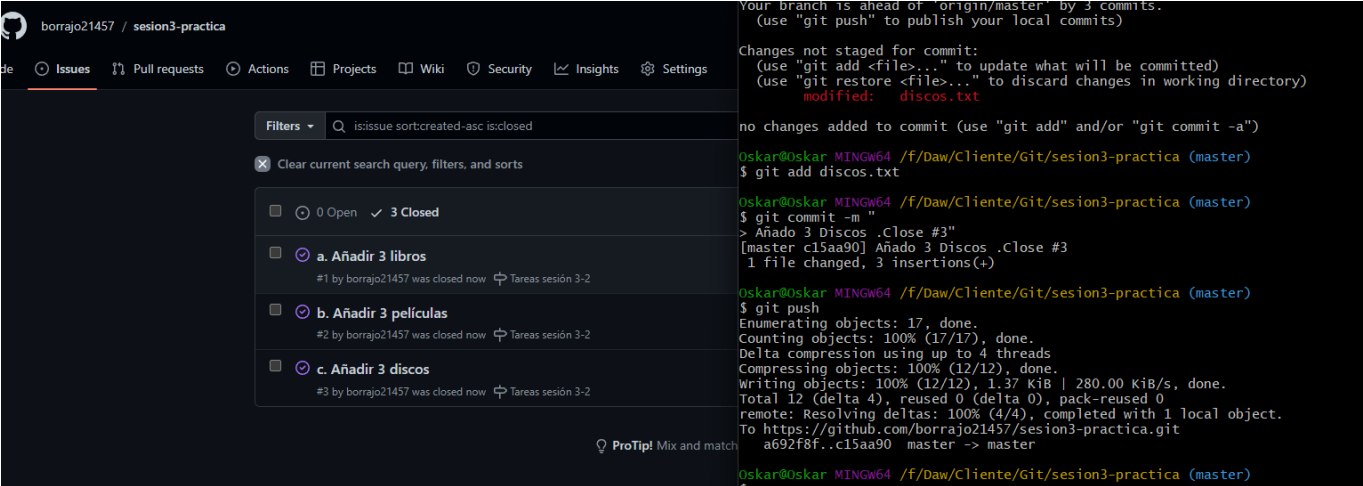




d) Modifica los ficheros correspondientes y realiza 3 commits para realizar cada una de las tareas que se indican en los issues.



e) Haz una captura de pantalla de los comandos que has utilizado para hacer los commits y subir los cambios a GitHub.



f) Incluye las capturas de pantalla en el repositorio dentro de la carpeta capturas. Añádelas al repositorio

g) Realiza una pull request