

GIT I y II

PRACTICA 1

3.- Adjunta una captura de pantalla en la que aparezca el resultado de la ejecución del comando `git --version`.

```
victor@A019-PC16: ~  
victor@A019-PC16:~$ git --version  
git version 2.25.1  
victor@A019-PC16:~$
```

4.- Realiza tu configuración de Git (nombre, correo electrónico, editor de preferencia y almacenamiento de credenciales). Adjunta una captura de pantalla con el resultado de la ejecución de los comandos de configuración.

```
victor@A019-PC16: ~  
victor@A019-PC16:~$ git config --list  
user.email=victorpilesdelgado@gmail.com  
user.name=VictorPiles  
core.editor=vim  
credential.helper=cache  
victor@A019-PC16:~$
```

5.- Crea una carpeta denominada S1R1. Realiza las siguientes acciones en ella:

```
victor@A019-PC16: ~/S1R1  
victor@A019-PC16:~/S1R1$ git init  
Initialized empty Git repository in /home/victor/S1R1/.git/  
victor@A019-PC16:~/S1R1$ touch libros.txt  
victor@A019-PC16:~/S1R1$ echo "Amanecer Rojo" >> libros.txt  
victor@A019-PC16:~/S1R1$ echo "Principe Damiel" >> libros.txt  
victor@A019-PC16:~/S1R1$ echo "Missborne" >> libros.txt  
victor@A019-PC16:~/S1R1$ git add libros.txt  
victor@A019-PC16:~/S1R1$ git commit -m "Primeros 3 libros"  
[master (root-commit) dc7692c] Primeros 3 libros  
1 file changed, 3 insertions(+)  
create mode 100644 libros.txt  
victor@A019-PC16:~/S1R1$
```

```
victor@A019-PC16: ~/S1R1  
victor@A019-PC16:~/S1R1$ echo "El Nombre de la Rosa" >> libros.txt  
victor@A019-PC16:~/S1R1$ echo "Harry Potter" >> libros.txt  
victor@A019-PC16:~/S1R1$ git add libros.txt  
victor@A019-PC16:~/S1R1$ git commit -m "Añadiendo 2 libros mas"  
[master 94ba259] Añadiendo 2 libros mas  
1 file changed, 2 insertions(+)  
victor@A019-PC16:~/S1R1$
```

```
victor@A019-PC16: ~/S1R1
victor@A019-PC16:~/S1R1$ touch peliculas.txt
victor@A019-PC16:~/S1R1$ echo "El hobbit" >> peliculas.txt
victor@A019-PC16:~/S1R1$ echo "El Señor de los Anillos" >> peliculas.txt
victor@A019-PC16:~/S1R1$ echo "Star Wars" >> peliculas.txt
victor@A019-PC16:~/S1R1$ git add peliculas.txt
victor@A019-PC16:~/S1R1$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   peliculas.txt
victor@A019-PC16:~/S1R1$
```

```
victor@A019-PC16: ~/S1R1
victor@A019-PC16:~/S1R1$ echo "Macarrones" >> comidas.txt
victor@A019-PC16:~/S1R1$ echo "Pizza" >> comidas.txt
victor@A019-PC16:~/S1R1$ echo "Kebab" >> comidas.txt
victor@A019-PC16:~/S1R1$ git add comidas.txt
victor@A019-PC16:~/S1R1$ git add peliculas.txt
victor@A019-PC16:~/S1R1$ git commit -m "Películas y comidas"
[master 602346b] Películas y comidas
 2 files changed, 6 insertions(+)
 create mode 100644 comidas.txt
 create mode 100644 peliculas.txt
victor@A019-PC16:~/S1R1$
```

```
victor@A019-PC16: ~/S1R1
victor@A019-PC16:~/S1R1$ rm comidas.txt
victor@A019-PC16:~/S1R1$ echo "Cronicas de Narnia" >> peliculas.txt
victor@A019-PC16:~/S1R1$ echo "Cars 2" >> peliculas.txt
victor@A019-PC16:~/S1R1$ git diff
diff --git a/comidas.txt b/comidas.txt
deleted file mode 100644
index ffe6700..0000000
--- a/comidas.txt
+++ /dev/null
@@ -1,3 +0,0 @@
-Macarrones
-Pizza
-Kebab
diff --git a/peliculas.txt b/peliculas.txt
index 5c214de..b562b22 100644
--- a/peliculas.txt
+++ b/peliculas.txt
@@ -1,3 +1,5 @@
 El hobbit
 El Señor de los Anillos
 Star Wars
+Cronicas de Narnia
+Cars 2
victor@A019-PC16:~/S1R1$
```

```
victor@A019-PC16: ~/S1R1
victor@A019-PC16:~/S1R1$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        deleted:   comidas.txt
        modified:  peliculas.txt

victor@A019-PC16:~/S1R1$ git commit -m "Borrando comidas y añadiendo peliculas"
[master 5fdc4d8] Borrando comidas y añadiendo peliculas
 2 files changed, 2 insertions(+), 3 deletions(-)
 delete mode 100644 comidas.txt
victor@A019-PC16:~/S1R1$
```

```
victor@A019-PC16: ~/S1R1
victor@A019-PC16:~/S1R1$ touch datos.bak
victor@A019-PC16:~/S1R1$ echo "Star Wars" >> datos.bak
victor@A019-PC16:~/S1R1$ echo "El hobbit" >> datos.bak
victor@A019-PC16:~/S1R1$ echo "El Señor de los Anillos" >> datos.bak
victor@A019-PC16:~/S1R1$
```

```
victor@A019-PC16: ~/S1R1
victor@A019-PC16:~/S1R1$ mkdir output
victor@A019-PC16:~/S1R1$ touch output/salida.txt
victor@A019-PC16:~/S1R1$ echo "Victor Piles" >> output/salida.txt
victor@A019-PC16:~/S1R1$ 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)
victor@A019-PC16:~/S1R1$
```

```
victor@A019-PC16: ~/S1R1
victor@A019-PC16:~/S1R1$ touch .gitignore
victor@A019-PC16:~/S1R1$ echo *.bak >> .gitignore
victor@A019-PC16:~/S1R1$ echo output/** >> .gitignore
victor@A019-PC16:~/S1R1$ 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)
victor@A019-PC16:~/S1R1$
```

```
victor@A019-PC16: ~/S1R1
victor@A019-PC16:~/S1R1$ git add .gitignore
victor@A019-PC16:~/S1R1$ git commit -m "Añadiendo .gitignore"
[master 520e4b] Añadiendo .gitignore
 1 file changed, 2 insertions(+)
 create mode 100644 .gitignore
victor@A019-PC16:~/S1R1$
```

```
victor@A019-PC16: ~/S1R1
victor@A019-PC16:~/S1R1$ git log --graph
* commit 5200e4b5aed45f10a2b6c810c291c554d12e8530 (HEAD -> master)
| Author: VictorPiles <victorpilesdelgado@gmail.com>
| Date: Mon May 2 08:45:33 2022 +0200
|
|     Añadiendo .gitignore
|
* commit 5fdc4d8ea05238c555f7f0ad70e89ebb46509a1b
| Author: VictorPiles <victorpilesdelgado@gmail.com>
| Date: Mon May 2 08:39:51 2022 +0200
|
|     Borrando comidas y añadiendo peliculas
|
* commit 602346b43d87f216193ef670d117ed122344ff92
| Author: VictorPiles <victorpilesdelgado@gmail.com>
| Date: Mon May 2 08:36:19 2022 +0200
|
|     Peliculas y comidas
|
* commit 94ba2596e59f246b57f88f068290fa696113b911
| Author: VictorPiles <victorpilesdelgado@gmail.com>
| Date: Mon May 2 08:30:47 2022 +0200
|
|     Añadiendo 2 libros mas
|
* commit dc7692cd9ef0c99d4487505920a314be6747a1a2
| Author: VictorPiles <victorpilesdelgado@gmail.com>
| Date: Mon May 2 08:28:19 2022 +0200
|
|     Primeros 3 libros
victor@A019-PC16:~/S1R1$
```

PRACTICA 2

1.- Crea una carpeta denominada S2R1. Realiza las siguientes acciones en ella:

```
victor@A019-PC16: ~/S2R1
victor@A019-PC16:~/S2R1$ git init
Initialized empty Git repository in /home/victor/S2R1/.git/
victor@A019-PC16:~/S2R1$ touch actores.txt
victor@A019-PC16:~/S2R1$ echo "Actor 1" >> actores.txt
victor@A019-PC16:~/S2R1$ echo "Actor 2" >> actores.txt
victor@A019-PC16:~/S2R1$ echo "Actor 3" >> actores.txt
victor@A019-PC16:~/S2R1$ git add actores.txt
victor@A019-PC16:~/S2R1$ git commit -m "Primeros 3 actores"
[master (root-commit) f69f10b] Primeros 3 actores
 1 file changed, 3 insertions(+)
 create mode 100644 actores.txt
victor@A019-PC16:~/S2R1$
```

```
victor@A019-PC16:~/S2R1$ git branch test
victor@A019-PC16:~/S2R1$ git checkout test
Switched to branch 'test'
victor@A019-PC16:~/S2R1$ touch actrices.txt
victor@A019-PC16:~/S2R1$ echo "Actriz 1" >> actrices.txt
victor@A019-PC16:~/S2R1$ echo "Actriz 2" >> actrices.txt
victor@A019-PC16:~/S2R1$ echo "Actriz 3" >> actrices.txt
victor@A019-PC16:~/S2R1$ git add actrices.txt
victor@A019-PC16:~/S2R1$ git commit -m "Primeras 3 actrices"
[test 64aeab4] Primeras 3 actrices
 1 file changed, 3 insertions(+)
 create mode 100644 actrices.txt
victor@A019-PC16:~/S2R1$
```

```
victor@A019-PC16:~/S2R1$ git log --graph --all
* commit 64aeab4447db7024a9e72c5498bc7469c86c8e57 (HEAD -> test)
 | Author: VictorPiles <victorpilesdelgado@gmail.com>
 | Date: Mon May 2 09:34:30 2022 +0200
 |
 | Primeras 3 actrices
 |
 * commit f69f10b933977cb02c29f078bb1467d3f92784f4 (master)
 | Author: VictorPiles <victorpilesdelgado@gmail.com>
 | Date: Mon May 2 09:32:53 2022 +0200
 |
 | Primeros 3 actores
victor@A019-PC16:~/S2R1$
```

```
victor@A019-PC16: ~/S2R1
victor@A019-PC16:~/S2R1$ git checkout master
Switched to branch 'master'
victor@A019-PC16:~/S2R1$ git merge test
Updating f69f10b..64aeab4
Fast-forward
 actrices.txt | 3 +++
 1 file changed, 3 insertions(+)
 create mode 100644 actrices.txt
victor@A019-PC16:~/S2R1$
```

```
victor@A019-PC16: ~/S2R1
victor@A019-PC16:~/S2R1$ git branch test2
victor@A019-PC16:~/S2R1$ git branch
* master
  test
  test2
victor@A019-PC16:~/S2R1$ echo "Actriz Master" >> actrices.txt
victor@A019-PC16:~/S2R1$ git add actrices.txt
victor@A019-PC16:~/S2R1$ git commit -m "Actriz Master"
[master f09a256] Actriz Master
 1 file changed, 1 insertion(+)
victor@A019-PC16:~/S2R1$ git switch test2
Switched to branch 'test2'
victor@A019-PC16:~/S2R1$ echo "Actriz Test2" >> actrices.txt
victor@A019-PC16:~/S2R1$ git add actrices.txt
victor@A019-PC16:~/S2R1$ git commit -m "Actriz Test"
[test2 f79d868] Actriz Test
 1 file changed, 1 insertion(+)
victor@A019-PC16:~/S2R1$
```

```
victor@A019-PC16: ~/S2R1
victor@A019-PC16:~/S2R1$ git log --graph --all
* commit f79d8681b5db68a6365e3b84edf871ae35eab352 (HEAD -> test2)
 | Author: VictorPiles <victorpilesdelgado@gmail.com>
 | Date: Mon May 2 09:43:07 2022 +0200
 |
 | Actriz Test
 |
 | * commit f09a25613a991409cbad56b91b4fd4face9e638f (master)
 | / Author: VictorPiles <victorpilesdelgado@gmail.com>
 |   Date: Mon May 2 09:42:44 2022 +0200
 |
 | Actriz Master
 |
 | * commit 3d4d930cad67c96876991aa9e32fbda36c1c0aa7 (test)
 | | Author: VictorPiles <victorpilesdelgado@gmail.com>
 | | Date: Mon May 2 09:41:06 2022 +0200
 | |
 | | Primeras 3 actrices
 | |
 | * commit 4540c9fa6fd9dcae96be6e0bc4329d519c9c81
 |   Author: VictorPiles <victorpilesdelgado@gmail.com>
 |   Date: Mon May 2 09:40:16 2022 +0200
 |
 | Primeros 3 actores
victor@A019-PC16:~/S2R1$
```

```
victor@A019-PC16: ~/S2R1
```

```
victor@A019-PC16:~/S2R1$ git merge test2
Auto-merging actrices.txt
CONFLICT (content): Merge conflict in actrices.txt
Automatic merge failed; fix conflicts and then commit the result.
victor@A019-PC16:~/S2R1$ 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")
victor@A019-PC16:~/S2R1$
```

```
Actriz 1
Actriz 2
Actriz 3
<<<<<< HEAD
Actriz Master
=====
Actriz Test2
>>>>>> test2
```

```
Actriz 1
Actriz 2
Actriz 3
Actriz Master
Actriz Test2
```

```
victor@A019-PC16: ~/S2R1
victor@A019-PC16:~/S2R1$ git add actrices.txt
victor@A019-PC16:~/S2R1$ git commit -m "Merge solucionado"
[master 97a0b42] Merge solucionado
victor@A019-PC16:~/S2R1$
```

```
victor@A019-PC16: ~/S2R1
victor@A019-PC16:~/S2R1$ git log --graph --all
*   commit 97a0b42dc8217893ee4b7e5e10c22c0b15793ae2 (HEAD -> master)
|/  Merge: f09a256 f79d868
|   Author: VictorRPiles <victorpiresdelgado@gmail.com>
|   Date:   Mon May 2 09:48:16 2022 +0200
|
|   Merge solucionado
|
| *   commit f79d8681b5db68a6365e3b84edf871ae35eab352 (test2)
|/  Author: VictorRPiles <victorpiresdelgado@gmail.com>
|   Date:   Mon May 2 09:43:07 2022 +0200
|
|   Actriz Test
|
| *   commit f09a25613a991409cbad56b91b4fd4face9e638f
|/  Author: VictorRPiles <victorpiresdelgado@gmail.com>
|   Date:   Mon May 2 09:42:44 2022 +0200
|
|   Actriz Master
|
| *   commit 3d4d930cad67c96876991aa9e32fbda36c1c0aa7 (test)
|/  Author: VictorRPiles <victorpiresdelgado@gmail.com>
|   Date:   Mon May 2 09:41:06 2022 +0200
|
|   Primeras 3 actrices
|
| *   commit 4540c9fa6fd9dcae96be6e0bc4329d519c9c81
|/  Author: VictorRPiles <victorpiresdelgado@gmail.com>
|   Date:   Mon May 2 09:40:16 2022 +0200
|
|   Primeros 3 actores
victor@A019-PC16:~/S2R1$
```


PRACTICA 2 Remoto

1.- Clona el repositorio S2R2-remoto en una carpeta denominada S2R2. Adjunta captura de pantalla del resultado del comando de clonado. A continuación realiza las siguientes acciones en el repositorio S2R2:

```
victor@A019-PC16: ~/S2R2-remoto
victor@A019-PC16:~$ mkdir S2R2-remoto
victor@A019-PC16:~$ cd S2R2-remoto/
victor@A019-PC16:~/S2R2-remoto$ git init --bare
Initialized empty Git repository in /home/victor/S2R2-remoto/
victor@A019-PC16:~/S2R2-remoto$
```

```
victor@A019-PC16: ~/S2R2
victor@A019-PC16:~$ mkdir S2R2
victor@A019-PC16:~$ git clone S2R2-remoto/ S2R2
Cloning into 'S2R2'...
warning: You appear to have cloned an empty repository.
done.
victor@A019-PC16:~$ cd S2R2
victor@A019-PC16:~/S2R2$
```

```
victor@A019-PC16: ~/S2R2
victor@A019-PC16:~/S2R2$ touch directores.txt
victor@A019-PC16:~/S2R2$ echo "Director 1" >> directores.txt
victor@A019-PC16:~/S2R2$ echo "Director 2" >> directores.txt
victor@A019-PC16:~/S2R2$ echo "Director 3" >> directores.txt
victor@A019-PC16:~/S2R2$ git add directores.txt
victor@A019-PC16:~/S2R2$ git commit -m "Tres directores"
[master (root-commit) 4d881b3] Tres directores
1 file changed, 3 insertions(+)
create mode 100644 directores.txt
victor@A019-PC16:~/S2R2$
```

```
victor@A019-PC16: ~/S2R2
victor@A019-PC16:~/S2R2$ git push origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 246 bytes | 246.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To /home/victor/S2R2-remoto/
* [new branch]      master -> master
victor@A019-PC16:~/S2R2$
```

```
victor@A019-PC16: ~/S2R2
victor@A019-PC16:~/S2R2$ git branch version1
victor@A019-PC16:~/S2R2$ git checkout version1
Switched to branch 'version1'
victor@A019-PC16:~/S2R2$ echo "Director 4" >> directores.txt
victor@A019-PC16:~/S2R2$ echo "Director 5" >> directores.txt
victor@A019-PC16:~/S2R2$ git add directores.txt
victor@A019-PC16:~/S2R2$ git commit -m "Dos directores mas"
[version1 4d9a081] Dos directores mas
1 file changed, 2 insertions(+)
victor@A019-PC16:~/S2R2$
```

```
victor@A019-PC16: ~/S2R2  X + v
victor@A019-PC16:~/S2R2$ git push origin version1
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 284 bytes | 284.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To /home/victor/S2R2-remoto/
 * [new branch]      version1 -> version1
victor@A019-PC16:~/S2R2$
```

2.- Clona el repositorio S2R2-remoto en una segunda carpeta denominada S2R3. Realiza las siguientes acciones sobre ella:

```
victor@A019-PC16: ~/S2R3  X + v
victor@A019-PC16:~$ mkdir S2R3
victor@A019-PC16:~$ git clone S2R2-remoto/ S2R3
Cloning into 'S2R3'...
done.
victor@A019-PC16:~$ cd S2R3
victor@A019-PC16:~/S2R3$
```

```
victor@A019-PC16: ~/S2R3  X + v
victor@A019-PC16:~/S2R3$ cat directores.txt
Director 1
Director 2
Director 3
victor@A019-PC16:~/S2R3$ git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean
victor@A019-PC16:~/S2R3$ git switch version1
Branch 'version1' set up to track remote branch 'version1' from 'origin'.
Switched to a new branch 'version1'
victor@A019-PC16:~/S2R3$ cat directores.txt
Director 1
Director 2
Director 3
Director 4
Director 5
victor@A019-PC16:~/S2R3$ git status
On branch version1
Your branch is up to date with 'origin/version1'.

nothing to commit, working tree clean
victor@A019-PC16:~/S2R3$
```

```
victor@A019-PC16: ~/S2R3  X + v
victor@A019-PC16:~/S2R3$ git merge version1
Updating 4d881b3..4d9a081
Fast-forward
 directores.txt | 2 ++
 1 file changed, 2 insertions(+)
victor@A019-PC16:~/S2R3$ git push origin master
Total 0 (delta 0), reused 0 (delta 0)
To /home/victor/S2R2-remoto/
 4d881b3..4d9a081  master → master
victor@A019-PC16:~/S2R3$
```

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

```
victor@A019-PC16: ~/S2R2  X + v
victor@A019-PC16:~/S2R2$ git fetch origin
victor@A019-PC16:~/S2R2$ git pull origin master
From /home/victor/S2R2-remoto
 * branch      master       → FETCH_HEAD
Updating 4d881b3..4d9a081
Fast-forward
 directores.txt | 2 ++
 1 file changed, 2 insertions(+)
victor@A019-PC16:~/S2R2$ cat directores.txt
Director 1
Director 2
Director 3
Director 4
Director 5
victor@A019-PC16:~/S2R2$
```