

Creación del repositorio

```
AzureAD+DiegoSanchez-Alumno@CEACFP10399 MINGW64 ~ (master)
$ mkdir aea
AzureAD+DiegoSanchez-Alumno@CEACFP10399 MINGW64 ~ (master)
$ cd aea
AzureAD+DiegoSanchez-Alumno@CEACFP10399 MINGW64 ~/aea (master)
$ copy https://github.com/Sanchistro/aea.git
bash: copy: command not found
AzureAD+DiegoSanchez-Alumno@CEACFP10399 MINGW64 ~/aea (master)
$ copy https://github.com/Sanchistro/aea.git
bash: copy: command not found
AzureAD+DiegoSanchez-Alumno@CEACFP10399 MINGW64 ~/aea (master)
$ git init
Initialized empty Git repository in C:/Users/DiegoSanchez-Alumno/aea/.git/
AzureAD+DiegoSanchez-Alumno@CEACFP10399 MINGW64 ~/aea (master)
$ git copy https://github.com/Sanchistro/aea.git
git: 'copy' is not a git command. See 'git --help'.

The most similar commands are
  apply
  clone
AzureAD+DiegoSanchez-Alumno@CEACFP10399 MINGW64 ~/aea (master)
$ git clone https://github.com/Sanchistro/aea.git
git: 'clonehttps://github.com/Sanchistro/aea.git' is not a git command. See 'git
--help'.
AzureAD+DiegoSanchez-Alumno@CEACFP10399 MINGW64 ~/aea (master)
$ git clone https://github.com/Sanchistro/aea.git
Cloning into 'aea'...
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.
```

Clonación del repositorio de git

```
AzureAD+DiegoSanchez-Alumno@CEACFP10399 MINGW64 ~/aea (master)
$ cd aea
AzureAD+DiegoSanchez-Alumno@CEACFP10399 MINGW64 ~/aea/aea (main)
$ ls
README.md
AzureAD+DiegoSanchez-Alumno@CEACFP10399 MINGW64 ~/aea/aea (main)
$ touch index.html
AzureAD+DiegoSanchez-Alumno@CEACFP10399 MINGW64 ~/aea/aea (main)
$ touch styles.css
AzureAD+DiegoSanchez-Alumno@CEACFP10399 MINGW64 ~/aea/aea (main)
$ ls
README.md index.html styles.css
```

2. Generación de los primeros commits: Una vez clonado el repositorio, crea algunos archivos básicos para tu proyecto, como README.md, index.html y un styles.css. (2.5 pts)

```
AzureAD+DiegoSanchez-AlumnoC@CEACFP10399 MINGW64 ~/aea/aea (main)
$ git add .

AzureAD+DiegoSanchez-AlumnoC@CEACFP10399 MINGW64 ~/aea/aea (main)
$ git commit -m "Second commit"
[main cd54ff8] Second commit
Committer: Ubuntu <diego.sanchez@alu.ceacfp.com>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly:

    git config --global user.name "Your Name"
    git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 index.html
create mode 100644 styles.css
```

a. Realiza las modificaciones que quieras, genera otro commit con esos cambios y comenta el commit con el mensaje “Second commit”.

```
AzureAD+DiegoSanchez-AlumnoC@CEACFP10399 MINGW64 ~/aea/aea (main)
$ git log --graph --all
* commit cd54ff8dc7fc157c1a087dfd2d2a10ff04344ebb (HEAD -> main)
  Author: Ubuntu <diego.sanchez@alu.ceacfp.com>
  Date: Tue Feb 6 09:08:21 2024 +0100

    Second commit

* commit 2e0ec9e6b1424f8ec0c347b04bea81e09320731a (origin/main, origin/HEAD)
  Author: Sanchistro <131450233+Sanchistro@users.noreply.github.com>
  Date: Tue Feb 6 08:51:16 2024 +0100

    Initial commit
```

b. Representen los commits en forma de grafo.

```
$ git commit --amend -m "Second commit-Release"
[main 55004fb] Second commit-Release
Date: Tue Feb 6 09:08:21 2024 +0100
Committer: Ubuntu <diego.sanchez@alu.ceacfp.com>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly:

    git config --global user.name "Your Name"
    git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 index.html
create mode 100644 styles.css

AzureAD+DiegoSanchez-AlumnoC@CEACFP10399 MINGW64 ~/aea/aea (main)
$ git log --graph --all
* commit 55004fb6df5546c44e7236d68de851149a409f51 (HEAD -> main)
  Author: Ubuntu <diego.sanchez@alu.ceacfp.com>
  Date: Tue Feb 6 09:08:21 2024 +0100

    Second commit-Release

* commit 2e0ec9e6b1424f8ec0c347b04bea81e09320731a (origin/main, origin/HEAD)
  Author: Sanchistro <131450233+Sanchistro@users.noreply.github.com>
  Date: Tue Feb 6 08:51:16 2024 +0100

    Initial commit
```

c. Tras realizar el segundo commit “Second commit”, renómbralo para que pase a llamarse “Second commit – Release”

```
AzureAD+DiegoSanchez-AlumnoC@CEACFP10399 MINGW64 ~/aea/aea (main)
$ git tag "v1.0.0"

* commit 55004fb6df5546c44e7236d68de851149a409f51 (tag: v1.0.0, main)
  Author: Ubuntu <diego.sanchez@alu.ceacfp.com>
  Date: Tue Feb 6 09:08:21 2024 +0100

    Second commit-Release
```

d. Añade una tag al segundo commit con valor v1.0.0

3. Operación con ramas: El estado actual en el que se encuentra la AEA será parecido a este: (3 pts)

```
$ git log --graph --all
* commit a5372204f4b6a5c7a67f3c040ec0ec72a5d66778 (HEAD, section)
  Author: Ubuntu <diego.sanchez@alu.ceacfp.com>
  Date: Tue Feb 6 09:32:53 2024 +0100
  3
  * commit be92e6aa9a0d6c1c7a06d1c53e40c3d09c63ba90 (homepage)
    Author: Ubuntu <diego.sanchez@alu.ceacfp.com>
    Date: Tue Feb 6 09:26:18 2024 +0100
    2
    * commit d122eb2d537ef2fe430c53f7771dd293cc7ddeb
      Author: Ubuntu <diego.sanchez@alu.ceacfp.com>
      Date: Tue Feb 6 09:25:46 2024 +0100
      1
      * commit 55004fb6df5546c44e7236d68de851149a409f51 (tag: v1.0.0, main)
        Author: Ubuntu <diego.sanchez@alu.ceacfp.com>
        Date: Tue Feb 6 09:08:21 2024 +0100
        Second commit-Release
```

a. Ejecuta los comandos necesarios para llegar a este estado:

```
AzureAD+DiegoSanchez-AlumnoC@CEACFP10399 MINGW64 ~/aea/aea ((a537220...))
$ git branch -d section
Deleted branch section (was a537220).
```

b. Elimina la rama section. Antes de eliminarlo, guarda el id del commit que tiene esa rama.

```
AzureAD+DiegoSanchez-AlumnoC@CEACFP10399 MINGW64 ~/aea/aea ((a537220...))
$ git branch -a
* (HEAD detached at a537220)
  homepage
  main
  remotes/origin/HEAD -> origin/main
  remotes/origin/main
```

c. Lista todas la rama actuales tras la eliminación.

4. Fusión y conflictos: Después de trabajar en ramas separadas para diferentes características, como son la rama master (o main) y homepage: (2 pts)

```
AzureAD+DiegoSanchez-AlumnoC@CEACFP10399 MINGW64 ~/aea/aea (homepage)
$ git cherry-pick 55004f
[homepage e1d5939] Second commit-Release
Date: Tue Feb 6 09:08:21 2024 +0100
Committer: Ubuntu <diego.sanchez@alu.ceacfp.com>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly:

    git config --global user.name "Your Name"
    git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 index.html
create mode 100644 styles.css
AzureAD+DiegoSanchez-AlumnoC@CEACFP10399 MINGW64 ~/aea/aea (homepage)
$ ls
README.md commit1.txt commit2.txt index.html styles.css
```

a. Asegúrate que los 3 ficheros que están en main y en homepage tienen contenido diferente. Si no fuera así, genere un commit adicional en master (o main) agregando contenido adicional que permita diferenciarlo de homepage

```
AzureAD+DiegoSanchez-AlumnoC@CEACFP10399 MINGW64 ~/aea/aea (homepage)
$ git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 1 commit.
(use "git push" to publish your local commits)
AzureAD+DiegoSanchez-AlumnoC@CEACFP10399 MINGW64 ~/aea/aea (main)
$ git merge homepage
Merge made by the 'ort' strategy.
commit1.txt | 1 +
commit2.txt | 0
2 files changed, 1 insertion(+)
create mode 100644 commit1.txt
create mode 100644 commit2.txt
```

b. Realiza el merge de la ramas homepage a la rama principal tras validar la diferencia.
Prepárate para manejar conflictos que puedan surgir durante el proceso de fusión

5. Restablecimiento de rama y selección selectiva: Después de generar el merge, se quiere recuperar el commit perdido a la hora de borrar la rama section. (1,5 pts)

```
AzureAD+DiegoSanchez-AlumnoC@CEACFP10399 MINGW64 ~/aea/aea (main)
$ git cherry-pick -- a53722
[main 274c269] 3
Date: Tue Feb 6 09:32:53 2024 +0100
Committer: Ubuntu <diego.sanchez@alu.ceacfp.com>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly:

    git config --global user.name "Your Name"
    git config --global user.email you@example.com

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

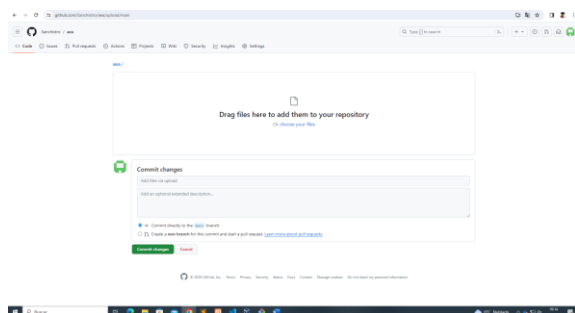
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 commit3.txt
```

a. Vuelve a recuperar el seguimiento del commit que apunto anteriormente su id, generando nuevamente la rama section en él.

```
AzureAD+DiegoSanchez-AlumnoC@CEACFP10399 MINGW64 ~/aea/aea (main)
$ git rebase section
warning: skipped previously applied commit 274c269
hint: use --reapply-cherry-picks to include skipped commits
hint: Disable this message with "git config advice.skippedCherryPicks false"
dropping e1d593926b088a143cf9da30af97f552c770f660 Second commit-Release -- patch
contents already upstream
Successfully rebased and updated refs/heads/main.
```

b. Agregue ese commit a master (o main) sin fusionar las ramas, seleccionando solo ese commit recuperado. Resuelva los conflictos en caso de ser necesario.

6. Guardado en el repositorio remoto: Tras haber realizado todos los cambios mencionados anteriormente, es hora de guardar los cambios en el repositorio remoto. (0,5 pts)



a. Agrega la memoria en formato .pdf que has generado para esta practica en la rama master (o main), generando un nuevo commit

```
AzureAD+DiegoSanchez-AlumnoC@CEACFP10399 MINGW64 ~/aea/aea (main)
$ git push origin main
Enumerating objects: 13, done.
Counting objects: 100% (13/13), done.
Delta compression using up to 12 threads
Compressing objects: 100% (10/10), done.
Writing objects: 100% (12/12), 1.04 KiB | 1.04 MiB/s, done.
Total 12 (delta 4), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (4/4), done.
To https://github.com/Sanchistro/aea.git
2e0ec9e..53671a5 main -> main
```

b. Actualiza el estado del repositorio remoto con todos los cambios realizados solo en la rama master (o main).