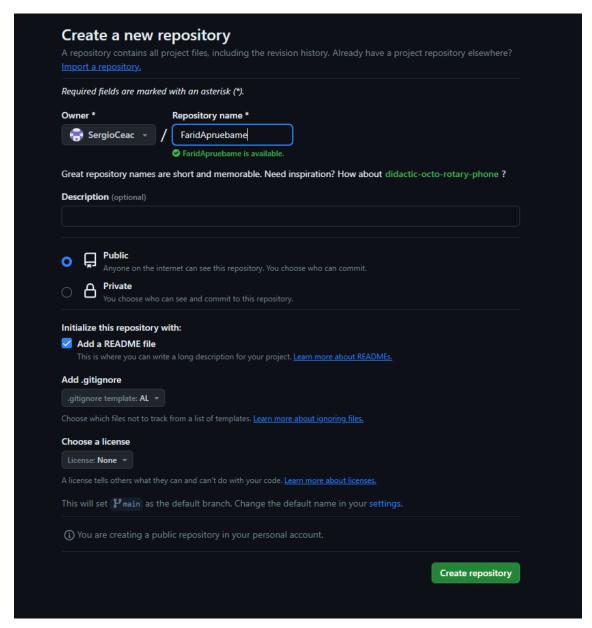AEA-CONTROL DE VERSIONES (GIT)

REALIZADO POR: SERGIO FLORES LENCE

1.a)

2) Generación de los primeros commits:

2.a) Generar Second Commit

```
AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~
$ mkdir AEA-Farid

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~
$ cd AEA-Farid/

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid
$ git clone https://github.com/SergioCeac/FaridApruebame.git
Cloning into 'FaridApruebame'...
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (4/4), done.

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid
$
```

```
$ ls -a
./  ../  .git/  .gitignore  README.md  index.html  styles.css

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridAp
ruebame (main)
$ nano index.html

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridAp
ruebame (main)
$ git log
commit 6d6882f52319598500858a125eac2aae7bcd4d2d (HEAD -> main, o
rigin/main, origin/HEAD)
Author: Sergy <131450972+SergioCeac@users.noreply.github.com>
Date:   Tue Feb 6 08:32:46 2024 +0100

    Initial commit

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/Far
idApruebame (main)
$ git add .
warning: in the working copy of 'index.html', LF will be replace
d by CRLF the next time Git touches it

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/Far
idApruebame (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   index.html
```

```
AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid
$ ls -a
./  ../  FaridApruebame/

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid
$ cd FaridApruebame/

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridAp
uebame (main)
$ ls -a
./  ../  .git/  .gitignore  README.md

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridAp
uebame (main)
$ touch index.html styles.css

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridAp
ruebame (main)
$ ls -a
./  ../  .git/  .gitignore  README.md  index.html  styles.css
```

```
AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/Far
idApruebame (main)
$ git commit -m "Second commit"
[main b810140] Second commit
 2 files changed, 22 insertions(+)
 create mode 100644 index.html
 create mode 100644 styles.css

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/Far
idApruebame (main)
$ git log
commit b8101407b7c76fc9253fd927aa95ca16d46aed55 (HEAD -> main)
Author: Sergy <sergio.flores@alu.ceacfp.com>
Date:   Tue Feb 6 08:39:38 2024 +0100

    Second commit

commit 6d6882f52319598500858a125eac2aae7bcd4d2d (origin/main, origin/HEAD
)
Author: Sergy <131450972+SergioCeac@users.noreply.github.com>
Date:   Tue Feb 6 08:32:46 2024 +0100

    Initial commit

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridAprueba
me (main)
$
```

2.b) Representación del commit en forma de grafo

```
AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridAprueba
me (main)
$ git log --graph
* commit b8101407b7c76fc9253fd927aa95ca16d46aed55 (HEAD -> main)
| Author: Sergy <sergio.flores@alu.ceacfp.com>
| Date:   Tue Feb 6 08:39:38 2024 +0100
|
|     Second commit
|
* commit 6d6882f52319598500858a125eac2aae7bcd4d2d (origin/main, origin/HE
AD)
  Author: Sergy <131450972+SergioCeac@users.noreply.github.com>
  Date:   Tue Feb 6 08:32:46 2024 +0100

      Initial commit
```

2.c) Renombrar commit

```
AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridAprueb
ame (main)
$ git commit --amend -m "Second commit - Release"
[main 3348ae9] Second commit - Release
 Date: Tue Feb 6 08:39:38 2024 +0100
 2 files changed, 22 insertions(+)
 create mode 100644 index.html
 create mode 100644 styles.css

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridAprueb
ame (main)
$ git log --oneline
3348ae9 (HEAD -> main) Second commit - Release
6d6882f (origin/main, origin/HEAD) Initial commit
```

```
AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridAprueb
ame (main)
$ git checkout 3348
Note: switching to '3348'.

You are in 'detached HEAD' state. You can look around, make experimental
changes and commit them, and you can discard any commits you make in thi
s
state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may
do so (now or later) by using -c with the switch command. Example:

  git switch -c <new-branch-name>

Or undo this operation with:

  git switch -

Turn off this advice by setting config variable advice.detachedHead to f
alse

HEAD is now at 3348ae9 Second commit - Release

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridAprueb
ame ((3348ae9...))
$ git tag v1.0.0

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridAprueb
ame ((v1.0.0))
$
```

```
AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridApruebame ((v1.0.0))
$ git show v1.0.0:
tree v1.0.0:

.gitignore
README.md
index.html
styles.css
```

2.e) Mostrar tree y blobs.

```
AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridApruebame ((v1.0.0))
$ git show v1.0.0:
.gitignore   README.md    index.html   styles.css

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridApruebame ((v1.0.0))
$ git show v1.0.0:index.html
```



```
AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridApruebame ((v1.0.0))
$ git show v1.0.0:styles.css

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridApruebame ((v1.0.0))
$ git show v1.0.0:README.md
# FaridApruebame
```

3.a) Operación con ramas.

```
AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridApruebame (homepag
e)
$ git log --graph --all
* commit 0763027c42ba8c0706f0a253deb259e3cbbf03a3 (HEAD -> homepage)
| Author: Sergy <sergio.flores@alu.ceacfp.com>
| Date:   Tue Feb 6 09:22:40 2024 +0100
|
|       hjsfdbhjdsvs
|
| * commit 645cd97d33b57799823dfd0e2124c2175a33e2de (section)
|/  Author: Sergy <sergio.flores@alu.ceacfp.com>
|   Date:   Tue Feb 6 09:17:07 2024 +0100
|
|         jhkasdvbd
|
* commit ca551714c3baf6c1bbcec726f3dbff19050b0eb5
| Author: Sergy <sergio.flores@alu.ceacfp.com>
| Date:   Tue Feb 6 09:06:48 2024 +0100
|
|       He añadido la hoja de estilos para el html
|
* commit 10ab94e5326147635e0b3621d0c3532e533228cd (master)
| Author: Sergy <sergio.flores@alu.ceacfp.com>
| Date:   Tue Feb 6 09:04:24 2024 +0100
|
|       He creado solo un archivo html
|
| * commit 3348ae97375c1122eceaf617492e18d484a20be5 (tag: v1.0.0, main)
|/  Author: Sergy <sergio.flores@alu.ceacfp.com>
|   Date:   Tue Feb 6 08:39:38 2024 +0100
|
|         Second commit - Release
|
* commit 6d6882f52319598500858a125eac2aae7bcd4d2d (origin/main, origin/HEAD)
  Author: Sergy <131450972+SergioCeac@users.noreply.github.com>
  Date:   Tue Feb 6 08:32:46 2024 +0100

        Initial commit
```

   a) Rama a eliminar commit 645cd97d33b57799823dfd0e2124c2175a33e2de
       (section)

   b) Listar la ramas actuales tras eliminación

```
AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridApruebame (homepage)
$ git branch -D section
Deleted branch section (was 645cd97).

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridApruebame (homepage)
$ git log --graph --all
* commit 0763027c42ba8c0706f0a253deb259e3cbbf03a3 (HEAD -> homepage)
| Author: Sergy <sergio.flores@alu.ceacfp.com>
| Date:   Tue Feb 6 09:22:40 2024 +0100
|
|     hjsfdbhjdsvs
|
* commit ca551714c3baf6c1bbcec726f3dbff19050b0eb5
| Author: Sergy <sergio.flores@alu.ceacfp.com>
| Date:   Tue Feb 6 09:06:48 2024 +0100
|
|     He añadido la hoja de estilos para el html
|
* commit 10ab94e5326147635e0b3621d0c3532e533228cd (master)
| Author: Sergy <sergio.flores@alu.ceacfp.com>
| Date:   Tue Feb 6 09:04:24 2024 +0100
|
|     He creado solo un archivo html
|
| * commit 3348ae97375c1122eceaf617492e18d484a20be5 (tag: v1.0.0, main)
|/  Author: Sergy <sergio.flores@alu.ceacfp.com>
|   Date:   Tue Feb 6 08:39:38 2024 +0100
|
|       Second commit - Release
|
* commit 6d6882f52319598500858a125eac2aae7bcd4d2d (origin/main, origin/HEAD)
  Author: Sergy <131450972+SergioCeac@users.noreply.github.com>
  Date:   Tue Feb 6 08:32:46 2024 +0100

      Initial commit
```

4. a) y b)

```
AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridApruebame (main)
$ git merge homepage
Auto-merging index.html
CONFLICT (add/add): Merge conflict in index.html
Automatic merge failed; fix conflicts and then commit the result.

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridApruebame (main|MERGING)
$ nano index.html

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridApruebame (main|MERGING)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)

Changes to be committed:
        new file:   estilos.css

Unmerged paths:
  (use "git add <file>..." to mark resolution)
        both added:      index.html


AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridApruebame (main|MERGING)
$ git add .

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridApruebame (main|MERGING)
$ git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

All conflicts fixed but you are still merging.
  (use "git commit" to conclude merge)

Changes to be committed:
        new file:   estilos.css
        modified:   index.html


AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridApruebame (main|MERGING)
$ git commit -m "Conflicto resuelto en el merge"
[main 3d1b0c0] Conflicto resuelto en el merge

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridApruebame (main)
$ |
```

5.a) Restablecer rama section:

```
AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridApruebame (main)
$ git checkout 645c
Note: switching to '645c'.

You are in 'detached HEAD' state. You can look around, make experimental
changes and commit them, and you can discard any commits you make in this
state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may
do so (now or later) by using -c with the switch command. Example:

  git switch -c <new-branch-name>

Or undo this operation with:

  git switch -

Turn off this advice by setting config variable advice.detachedHead to false

HEAD is now at 645cd97 jhkasdvbd

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridApruebame ((645cd97...))
$ |
```

```
AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridApruebame (main)
$ git checkout 645c
Note: switching to '645c'.

You are in 'detached HEAD' state. You can look around, make experimental
changes and commit them, and you can discard any commits you make in this
state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may
do so (now or later) by using -c with the switch command. Example:

  git switch -c <new-branch-name>

Or undo this operation with:

  git switch -

Turn off this advice by setting config variable advice.detachedHead to false

HEAD is now at 645cd97 jhkasdvbd

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridApruebame ((645cd97...))
$ git checkout -b section
Switched to a new branch 'section'

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridApruebame (section)
$ git log --graph --all
*   commit 3d1b0c099a387b740d60f68a8c6b57f29b9490d8 (main)
|\  Merge: 3348ae9 0763027
| | Author: Sergy <sergio.flores@alu.ceacfp.com>
| | Date:   Tue Feb 6 09:40:07 2024 +0100
| |
| |     Conflicto resuelto en el merge
| |
| * commit 0763027c42ba8c0706f0a253deb259e3cbbf03a3 (homepage)
| | Author: Sergy <sergio.flores@alu.ceacfp.com>
| | Date:   Tue Feb 6 09:22:40 2024 +0100
| |
| |     hjsfdbhjdsvs
| |
* | commit 3348ae97375c1122eceaf617492e18d484a20be5 (tag: v1.0.0)
| | Author: Sergy <sergio.flores@alu.ceacfp.com>
| | Date:   Tue Feb 6 08:39:38 2024 +0100
| |
| |     Second commit - Release
| |
| | * commit 645cd97d33b57799823dfd0e2124c2175a33e2de (HEAD -> section)
| |/  Author: Sergy <sergio.flores@alu.ceacfp.com>
| |   Date:   Tue Feb 6 09:17:07 2024 +0100
| |
| |       jhkasdvbd
| |
| * commit ca551714c3baf6c1bbcec726f3dbff19050b0eb5
| | Author: Sergy <sergio.flores@alu.ceacfp.com>
| | Date:   Tue Feb 6 09:06:48 2024 +0100
| |
| |     He añadido la hoja de estilos para el html
| |
| * commit 10ab94e5326147635e0b3621d0c3532e533228cd (master)
|/  Author: Sergy <sergio.flores@alu.ceacfp.com>
|   Date:   Tue Feb 6 09:04:24 2024 +0100
|
|       He creado solo un archivo html
|
* commit 6d6882f52319598500858a125eac2aae7bcd4d2d (origin/main, origin/HEAD)
  Author: Sergy <131450972+SergioCeac@users.noreply.github.com>
  Date:   Tue Feb 6 08:32:46 2024 +0100

      Initial commit

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridApruebame (section)
$
```

5.b)

```
AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridApruebame (section)
$ git commit -m "Recuperamos la rama section de nuevo :D"
On branch section
nothing to commit, working tree clean

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridApruebame (section)
$ git log --graph --all
*    commit 3d1b0c099a387b740d60f68a8c6b57f29b9490d8 (main)
|\   Merge: 3348ae9 0763027
| |  Author: Sergy <sergio.flores@alu.ceacfp.com>
| |  Date:    Tue Feb 6 09:40:07 2024 +0100
| |
| |      Conflicto resuelto en el merge
| |
| * commit 0763027c42ba8c0706f0a253deb259e3cbbf03a3 (homepage)
| | Author: Sergy <sergio.flores@alu.ceacfp.com>
| | Date:    Tue Feb 6 09:22:40 2024 +0100
| |
| |      hjsfdbhjdsvs
| |
* | commit 3348ae97375c1122eceaf617492e18d484a20be5 (tag: v1.0.0)
| | Author: Sergy <sergio.flores@alu.ceacfp.com>
| | Date:    Tue Feb 6 08:39:38 2024 +0100
| |
| |      Second commit - Release
| |
| | * commit 645cd97d33b57799823dfd0e2124c2175a33e2de (HEAD -> section)
| |/  Author: Sergy <sergio.flores@alu.ceacfp.com>
| |   Date:    Tue Feb 6 09:17:07 2024 +0100
| |
| |       jhkasdvbd
| |
| * commit ca551714c3baf6c1bbcec726f3dbff19050b0eb5
| | Author: Sergy <sergio.flores@alu.ceacfp.com>
| | Date:    Tue Feb 6 09:06:48 2024 +0100
| |
| |      He añadido la hoja de estilos para el html
| |
| * commit 10ab94e5326147635e0b3621d0c3532e533228cd (master)
|/  Author: Sergy <sergio.flores@alu.ceacfp.com>
|   Date:    Tue Feb 6 09:04:24 2024 +0100
|
|       He creado solo un archivo html
|
* commit 6d6882f52319598500858a125eac2aae7bcd4d2d (origin/main, origin/HEAD)
  Author: Sergy <131450972+SergioCeac@users.noreply.github.com>
  Date:    Tue Feb 6 08:32:46 2024 +0100

        Initial commit

AzureAD+SergioFloresLence-Al@CEACFP10384 MINGW64 ~/AEA-Farid/FaridApruebame (section)
$
```

6.a) Agrego el archivo de la memoria a git a través del explorador de Windows

6.b) Actualizo el estado del repositorio con git push.