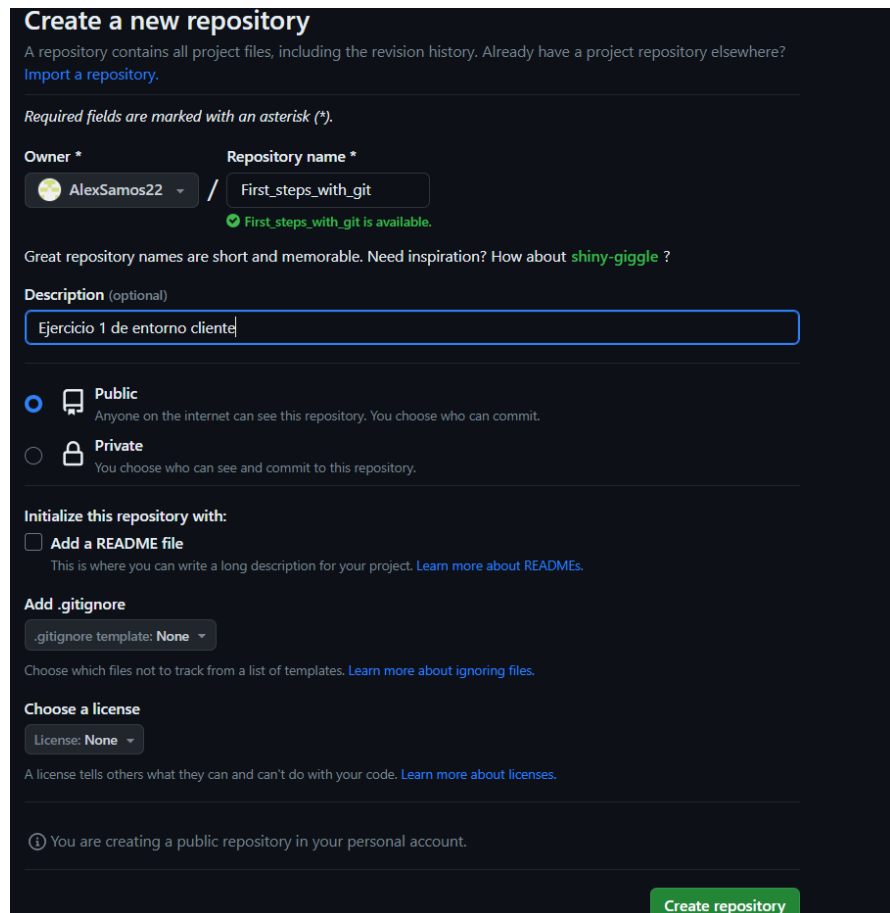


1. Creating repository

1. Create a git remote repository

Para crear un repositorio de git nos iremos a la página oficial de git, una vez en nuestra cuenta hacemos clic en nuestro perfil y mis repositorios, después le daremos a new y le pondremos el nombre que queremos



The screenshot shows the 'Create a new repository' page on GitHub. It includes fields for 'Owner' (AlexSamos22) and 'Repository name' (First_steps_with_git), with a confirmation message that the name is available. There is an optional 'Description' field containing 'Ejercicio 1 de entorno cliente'. The 'Public' option is selected for repository visibility. Under 'Initialize this repository with:', the 'Add a README file' checkbox is unchecked, and the '.gitignore' template is set to 'None'. The 'Choose a license' section also has 'None' selected. A green 'Create repository' button is at the bottom right.

2. Create a website with two HTML5 simple pages and upload both files to remote repository

Una vez creados los 2 ficheros se suben a git usando los siguientes comandos.

- git init : Para hacer nuestro directorio actual en un repositorio de git

```
ALEXSAMOS@ASM MINGW64 ~/Desktop/Entorno Cliente/Ejer1
$ git init
Initialized empty Git repository in C:/Users/ALEXSAMOS/Desktop/Entorno Cliente/Ejer1/.git/
```

- add: añade todos los cambios en el directorio para el siguiente commit que se haga

```
ALEXSAMOS@ASM MINGW64 ~/Desktop/Entorno Cliente/Ejer1 (master)
$ git add .
```

- git commit: que se usa para registrar los cambios en el repositorio

```
ALEXSAMOS@ASM MINGW64 ~/Desktop/Entorno Cliente/Ejer1 (master)
$ git commit -m "primer commit"
[master (root-commit) 4519f13] primer commit
2 files changed, 44 insertions(+)
create mode 100644 index.html
create mode 100644 main.html
```

- git branch: para crear una rama

```
ALEXSAMOS@ASM MINGW64 ~/Desktop/Entorno Cliente/Ejer1 (master)
$ git branch -M main
```

- git remote add: crea una nueva conexión con el repositorio remoto

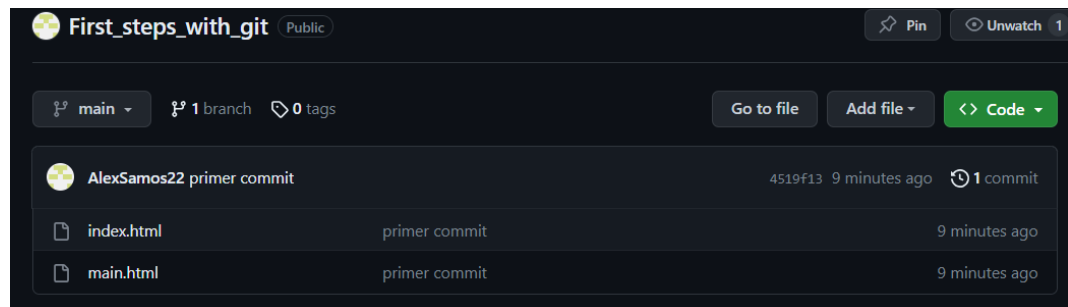
```
ALEXSAMOS@ASM MINGW64 ~/Desktop/Entorno Cliente/Ejer1 (main)
$ git remote add origin https://github.com/AlexSamos22/First_steps_with_git.git
```

- git push add:

```
ALEXSAMOS@ASM MINGW64 ~/Desktop/Entorno Cliente/Ejer1 (main)
$ git push -u origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 619 bytes | 309.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/AlexSamos22/First_steps_with_git.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
```

3. Upload to [github](#)

Una vez hecho lo anterior volvemos a nuestro repositorio y podremos ver los cambios subidos en el



2. Working with branches

1. Create a branch "experimentos" and move to it.

Con la opcion -M crea la rama y te mueve a ella directamente

```
ALEXSAMOS@ASM MINGW64 ~/Desktop/Entorno Cliente/Ejer1 (main)
$ git branch -M experimentos
```

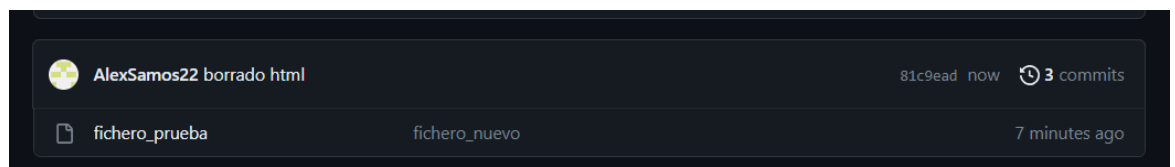
2. Create a file and upload to remote server

```
ALEXSAMOS@ASM MINGW64 ~/Desktop/Entorno Cliente/Ejer1 (experimentos)
$ touch fichero_prueba

ALEXSAMOS@ASM MINGW64 ~/Desktop/Entorno Cliente/Ejer1 (experimentos)
$ git add .

ALEXSAMOS@ASM MINGW64 ~/Desktop/Entorno Cliente/Ejer1 (experimentos)
$ git commit -m "fichero_nuevo"
[experimentos d433d82] fichero_nuevo
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 fichero_prueba
```

```
ALEXSAMOS@ASM MINGW64 ~/Desktop/Entorno Cliente/Ejer1 (experimentos)
$ git push -u origin experimentos
```



3. Go back to main branch

```
ALEXSAMOS@ASM MINGW64 ~/Desktop/Entorno Cliente/Ejer1 (experimentos)
$ git checkout main
Switched to a new branch 'main'
branch 'main' set up to track 'origin/main'.
```

4. Remove one HTML5 page, create an empty file and upload to remote server

```
ALEXSAMOS@ASM MINGW64 ~/Desktop/Entorno Cliente/Ejer1 (experimentos)
$ git checkout main
Switched to a new branch 'main'
branch 'main' set up to track 'origin/main'.

ALEXSAMOS@ASM MINGW64 ~/Desktop/Entorno Cliente/Ejer1 (main)
$ git rm -rf main.html
rm 'main.html'

ALEXSAMOS@ASM MINGW64 ~/Desktop/Entorno Cliente/Ejer1 (main)
$ touch fichero_main

ALEXSAMOS@ASM MINGW64 ~/Desktop/Entorno Cliente/Ejer1 (main)
$ git add .

ALEXSAMOS@ASM MINGW64 ~/Desktop/Entorno Cliente/Ejer1 (main)
$ git commit -m "borrado html main y añadido fichero"
```

```
ALEXSAMOS@ASM MINGW64 ~/Desktop/Entorno Cliente/Ejer1 (main)
$ git push -u origin main
```

The screenshot shows a GitHub repository interface. At the top, there's a navigation bar with 'main' selected, '2 branches', and '0 tags'. To the right are buttons for 'Go to file', 'Add file', and 'Code'. Below this is a warning box: 'Your main branch isn't protected' with a 'Protect this branch' button. The main content area shows a commit by 'AlexSamos22' with the message 'borrado html main y añadido fichero'. The commit details table shows two files: 'fichero_main' (added) and 'index.html' (deleted).

File	Commit Message	Time
fichero_main	borrado html main y añadido fichero	1 minute ago
index.html	primer commit	39 minutes ago

5. Change to "experimentos"

```
ALEXSAMOS@ASM MINGW64 ~/Desktop/Entorno Cliente/Ejer1 (main)
$ git checkout experimentos
Switched to branch 'experimentos'
Your branch is up to date with 'origin/experimentos'.
```

6. Merge with main branch

```
ALEXSAMOS@ASM MINGW64 ~/Desktop/Entorno Cliente/Ejer1 (experimentos)
$ git merge main
Merge made by the 'ort' strategy.
 fichero_main | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 fichero_main

ALEXSAMOS@ASM MINGW64 ~/Desktop/Entorno Cliente/Ejer1 (experimentos)
$ git push origin experimentos
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 303 bytes | 303.00 KiB/s, done.
Total 2 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/AlexSamos22/First_steps_with_git.git
 81c9ead..330a996  experimentos -> experimentos
```

7. Rename branch "experimentos" to "tevoyaborrar"

Para cambiar el nombre a una rama primero tienes que asegurarte que estás en esa rama

```
ALEXSAMOS@ASM MINGW64 ~/Desktop/Entorno Cliente/Ejer1 (experimentos)
$ git branch -m tevoyaborrar
```

8. Remove branch "tevoyaborrar"

Para eliminar la rama primero tienes que salirte de ella

```
ALEXSAMOS@ASM MINGW64 ~/Desktop/Entorno Cliente/Ejer1 (tevoyaborrar)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

ALEXSAMOS@ASM MINGW64 ~/Desktop/Entorno Cliente/Ejer1 (main)
$ git branch -d tevoyaborrar
warning: deleting branch 'tevoyaborrar' that has been merged to
'refs/remotes/origin/experimentos', but not yet merged to HEAD.
Deleted branch tevoyaborrar (was 330a996).

ALEXSAMOS@ASM MINGW64 ~/Desktop/Entorno Cliente/Ejer1 (main)
$ git push origin --delete tevoyaborrar
To https://github.com/AlexSamos22/First_steps_with_git.git
- [deleted]          tevoyaborrar
```