

# COMANDOS

**git clone** → este comando es necesario realizarlo la primera vez que descargas un proyecto en el que aún no habías trabajado. En este caso, como se está trabajando en el entorno del codespace, no existe una copia en el directorio local ni tampoco en el remoto, solo en el virtual de codespace.

The screenshot displays the GitHub Codespace environment for a repository named 'friendly-couscous'. The interface is divided into three main sections: a file explorer on the left, a central editor, and a terminal at the bottom.

**File Explorer (EXPLORADOR):** Shows the project structure with a folder 'P1 [CODESPACES: FRIENDLY C...]' containing a subfolder 'p1' and a file 'README.md'.

**Editor:** Displays the 'README.md' file with the following content:

```
1 # Práctica 1
2
3 Un repositorio para empezar a usar [git](https://git-scm.c
4
5 ## ¿Como probar en la nube?
6
7 [Github-Codespaces](https://github.com/features/codespaces
8
9 ## Comandos git básicos
10
11 ``
12 git clone https://github.com/gitt-3-pat/p1
13 git status
14 git add .
15 git commit -m "TU MENSAJE"
16 git push
17
18 git checkout -b feature/1
```

**Terminal:** Shows the execution of the 'git clone' command. The prompt is '@SalvadorICAI → /workspaces/p1 (main) \$'. The output is:

```
git clone https://github.com/gitt-3-pat/p1
Cloning into 'p1'...
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (1/1), done.
remote: Total 6 (delta 0), reused 0 (delta 0), pack-reused 5 (from 1)
Receiving objects: 100% (6/6), done.
```

The terminal status bar at the bottom indicates the current branch is 'main', the working directory is '/workspaces/p1', and the file encoding is UTF-8.

**git status** → este comando indica en qué rama de desarrollo estás así como los archivos que serán subidos. No aparece nada porque no hay ningún archivo en la “staging area”.

The screenshot shows a GitHub Codespace environment. The top bar indicates the repository is `-couscous-pjjvr96rv7v5f7qrv.github.dev`. The browser address bar shows `p1 [Codespaces: friendly couscous]`. The left sidebar contains an 'EXPLORADOR' (Explorer) view showing a file tree with `p1` and `README.md`. The main editor area displays the `README.md` file with the following content:

```
1 # Práctica 1
2
3 Un repositorio para empezar a usar [git](https://git-scm.com/) y Github
4
5 ## ¿Como probar en la nube?
6
7 [Github-Codespaces](https://github.com/features/codespaces)
8
9 ## Comandos git básicos
10
11 ...
12 git clone https://github.com/gitt-3-pat/p1
13 git status
14 git add .
15 git commit -m "TU MENSAJE"
16 git push
```

Below the editor is a 'TERMINAL' window showing the following commands and output:

```
bash
--[no-]sparse          initialize sparse-checkout file to include only files at root
--[no-]bundle-uri <uri> a URI for downloading bundles before fetching from origin remote

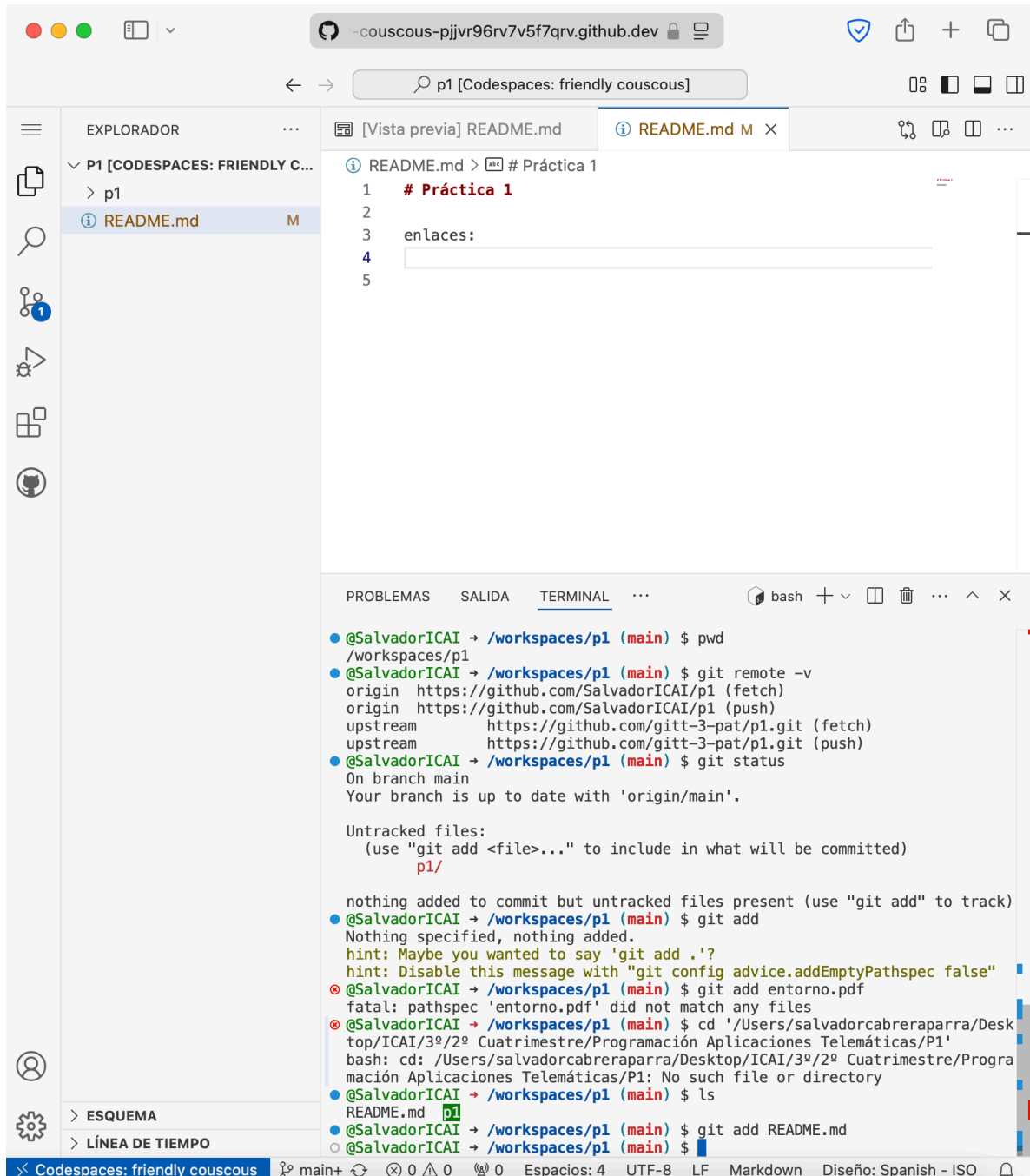
● @SalvadorICAI → /workspaces/p1 (main) $ git clone https://github.com/gitt-3-pat/p1
Cloning into 'p1'...
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (1/1), done.
remote: Total 6 (delta 0), reused 0 (delta 0), pack-reused 5 (from 1)
Receiving objects: 100% (6/6), done.
● @SalvadorICAI → /workspaces/p1 (main) $ pwd
/workspaces/p1
● @SalvadorICAI → /workspaces/p1 (main) $ git remote -v
origin https://github.com/SalvadorICAI/p1 (fetch)
origin https://github.com/SalvadorICAI/p1 (push)
upstream https://github.com/gitt-3-pat/p1.git (fetch)
upstream https://github.com/gitt-3-pat/p1.git (push)
● @SalvadorICAI → /workspaces/p1 (main) $ git status
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
  p1/

nothing added to commit but untracked files present (use "git add" to track)
● @SalvadorICAI → /workspaces/p1 (main) $
```

The bottom status bar shows the current branch is `main`, with 0 commits, 0 files, and 0 spaces. It also indicates the encoding is UTF-8, line endings are LF, and the design is Spanish - ISO.

**git add** —> Con este comando lo que se hace es decir que archivo con cambios quieres subir. En este caso, se ha modificado el archivo README.md



The screenshot shows a GitHub Codespaces environment. The left sidebar contains the Explorer view with a folder named 'P1 [CODESPACES: FRIENDLY C...]' and a file named 'README.md'. The main editor area displays the 'README.md' file with the following content:

```
1 # Práctica 1
2
3 enlaces:
4
5
```

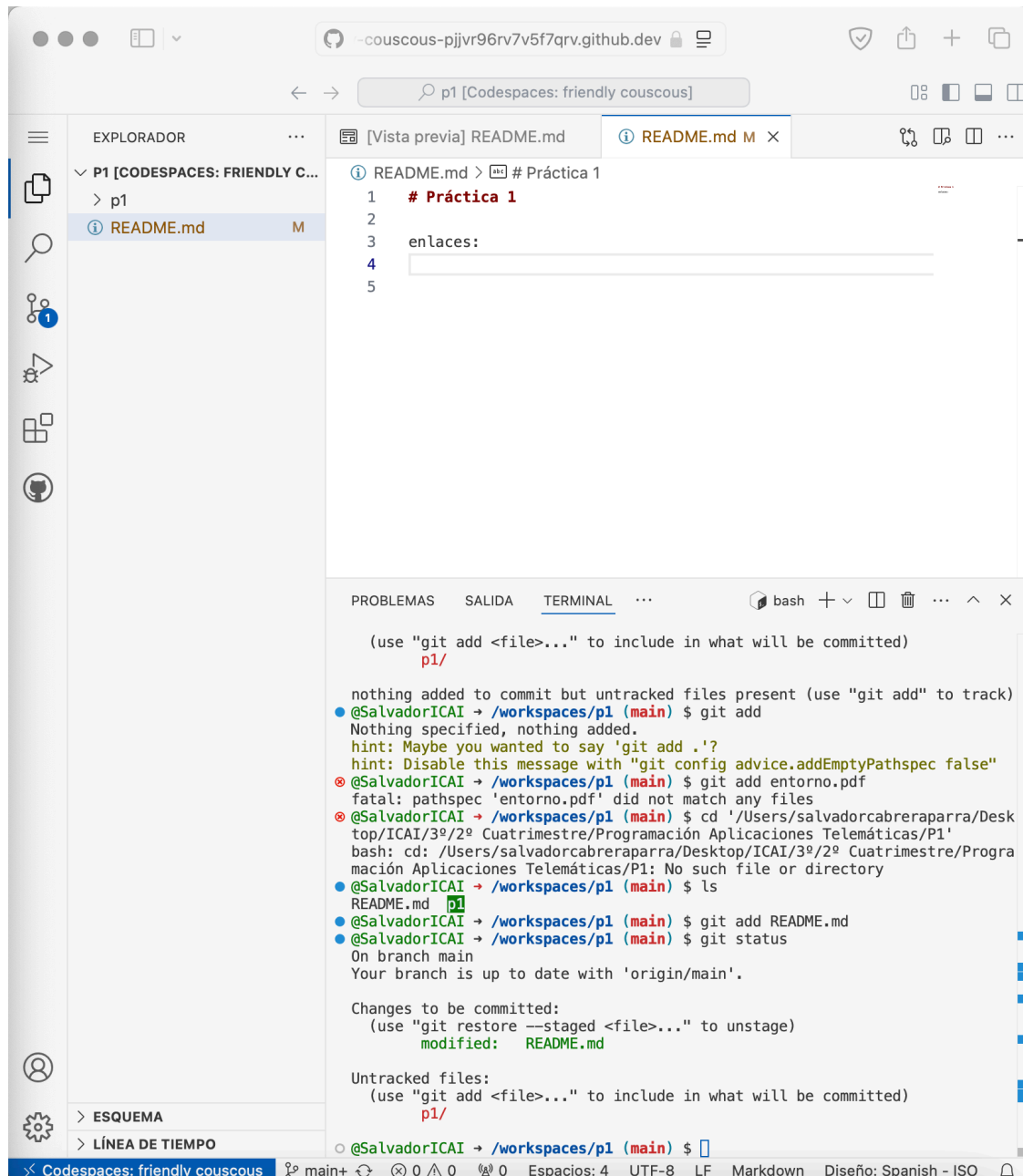
Below the editor is a terminal window with the following output:

```
@SalvadorICAI → /workspaces/p1 (main) $ pwd
/workspaces/p1
@SalvadorICAI → /workspaces/p1 (main) $ git remote -v
origin https://github.com/SalvadorICAI/p1 (fetch)
origin https://github.com/SalvadorICAI/p1 (push)
upstream https://github.com/gitt-3-pat/p1.git (fetch)
upstream https://github.com/gitt-3-pat/p1.git (push)
@SalvadorICAI → /workspaces/p1 (main) $ git status
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
  p1/

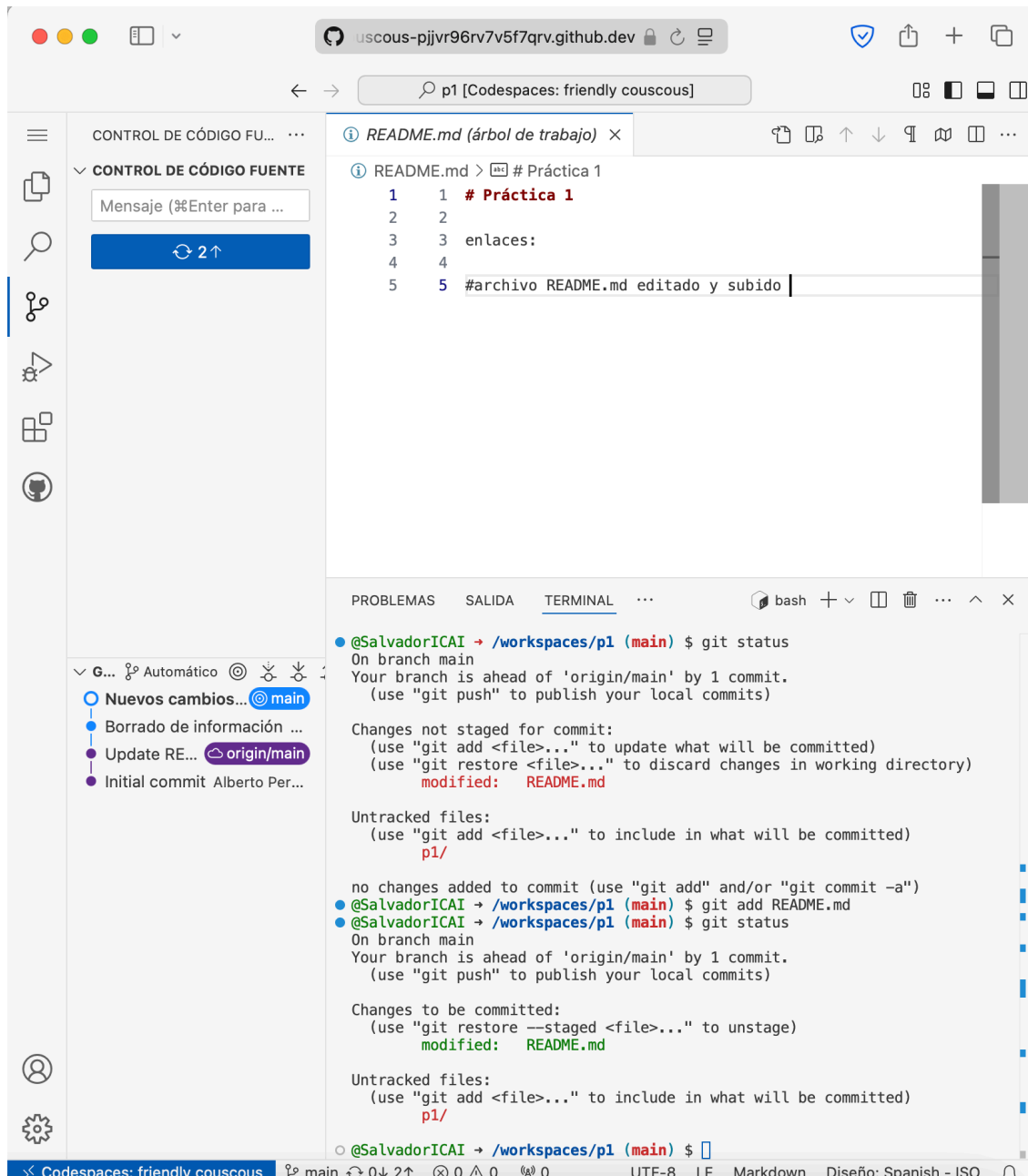
nothing added to commit but untracked files present (use "git add" to track)
@SalvadorICAI → /workspaces/p1 (main) $ git add
Nothing specified, nothing added.
hint: Maybe you wanted to say 'git add .'
hint: Disable this message with "git config advice.addEmptyPathsSpec false"
@SalvadorICAI → /workspaces/p1 (main) $ git add entorno.pdf
fatal: pathspec 'entorno.pdf' did not match any files
@SalvadorICAI → /workspaces/p1 (main) $ cd '/Users/salvadorcabreraparra/Desktop/ICAI/3º/2º Cuatrimestre/Programación Aplicaciones Telemáticas/P1'
bash: cd: /Users/salvadorcabreraparra/Desktop/ICAI/3º/2º Cuatrimestre/Programación Aplicaciones Telemáticas/P1: No such file or directory
@SalvadorICAI → /workspaces/p1 (main) $ ls
README.md
@SalvadorICAI → /workspaces/p1 (main) $ git add README.md
@SalvadorICAI → /workspaces/p1 (main) $
```

Se ha vuelto a ejecutar el comando `git status` para verificar que se ha ejecutado el comando `add` y que ahora aparece como archivo que tiene que ser subido al repositorio:



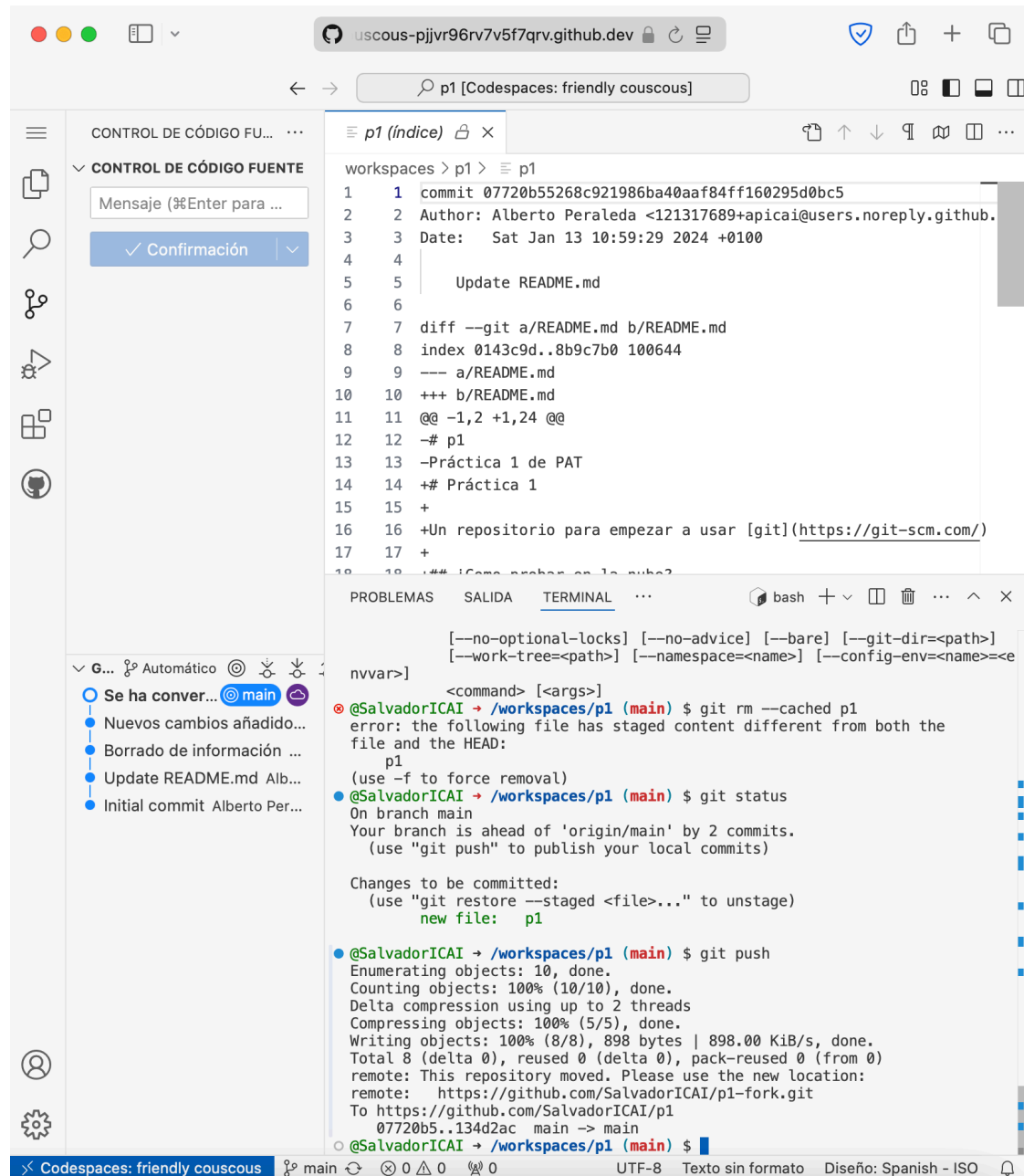
En esta imagen se observa que el comando se había ejecutado correctamente y que el archivo README.md editado se encuentra la “staging area”, antes de ser subido al repositorio online.

**git commit** —> Este comando se utiliza una vez que ya están los archivos en el estado para ser subidos al repositorio para que estos, finalmente sean guardados de forma permanente.



Ya se ha hecho una “foto” de cómo se van a guardar los archivos en el repositorio, queda subir esos cambios para que se efectúen.

**git push** → Con este comando se suben los cambios realizados ,en te caso en el entorno del codespace, al repositorio, por lo que se deberían de poder observar desde la página de gitHub.



The screenshot displays the GitHub Codespace environment for a repository named 'p1 [Codespaces: friendly couscous]'. The interface is divided into several panels:

- Left Panel:** Contains the 'CONTROL DE CÓDIGO FUENTE' (Source Code Control) section with a commit message input field and a 'Confirmación' button. Below it is a commit history list showing a recent commit by 'Alberto Per...'.
- Top Panel:** Shows the commit details for 'p1 (índice)'. It includes the commit hash, author, date, and a diff view comparing the current state with the previous commit. The diff shows changes to 'README.md'.
- Bottom Panel:** A terminal window showing the execution of several git commands. The commands and their outputs are as follows:
  - `git rm --cached p1`: Results in an error: 'error: the following file has staged content different from both the file and the HEAD: p1 (use -f to force removal)'.
  - `git status`: Shows 'On branch main' and 'Your branch is ahead of 'origin/main' by 2 commits. (use "git push" to publish your local commits)'.
  - `git push`: Successfully pushes the changes to the remote repository. The output shows 'Enumerating objects: 10, done.', 'Counting objects: 100% (10/10), done.', 'Delta compression using up to 2 threads', 'Compressing objects: 100% (5/5), done.', 'Writing objects: 100% (8/8), 898 bytes | 898.00 KiB/s, done.', 'Total 8 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)', and 'remote: This repository moved. Please use the new location: remote: https://github.com/SalvadorICAI/p1-fork.git To https://github.com/SalvadorICAI/p1 07720b5..134d2ac main -> main'.

**git checkout** —> Entre los distintos usos que tiene este comando, destaca la función de poder cambiar a otra rama de desarrollo o incluso crear una y posteriormente cambiar el directorio.

