

Creación de ramas en github

```
C:\Users\Vivitasol\OneDrive - Fundacion Instituto Profesional Duoc UC\Escritorio>git clone https://github.com/ProfeVivitaSol/RepoRecursosPGY4121.git
Cloning into 'RepoRecursosPGY4121'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (3/3), done.
```

Branch, Ramas:

Es una bifurcación o camino alternativo que se realiza en un momento determinado.

Comandos vinculados a la creación de ramas:

1. **Git Branch:** al ingresar a nuestra carpeta de repositorio clonado, el comando git branch nos permite visualizar las ramas creadas:

```
C:\Users\Vivitasol\OneDrive - Fundacion Instituto Profesional Duoc UC\Escritorio>cd reporecursospgy4121
C:\Users\Vivitasol\OneDrive - Fundacion Instituto Profesional Duoc UC\Escritorio\RepoRecursosPGY4121>git branch
* main
C:\Users\Vivitasol\OneDrive - Fundacion Instituto Profesional Duoc UC\Escritorio\RepoRecursosPGY4121>
```

En este caso la rama principal que por defecto tenemos creada es la rama main.

2. **Creación de ramas:** crearemos una rama en nuestro repositorio llamado docente

```
C:\Users\Vivitasol\OneDrive - Fundacion Instituto Profesional Duoc UC\Escritorio\RepoRecursosPGY4121>git branch docente
C:\Users\Vivitasol\OneDrive - Fundacion Instituto Profesional Duoc UC\Escritorio\RepoRecursosPGY4121>
```

Sin embargo, si realizamos un commit a nuestro repositorio, lo seguirá subiendo a la rama main, porque es la rama en la cual nos encontramos posicionados (se visualiza un asterisco * en el nombre de la rama activa):

```
C:\Users\Vivitasol\OneDrive - Fundacion Instituto Profesional Duoc UC\Escritorio\RepoRecursosPGY4121>git branch docente
C:\Users\Vivitasol\OneDrive - Fundacion Instituto Profesional Duoc UC\Escritorio\RepoRecursosPGY4121>git branch
* docente
  main
C:\Users\Vivitasol\OneDrive - Fundacion Instituto Profesional Duoc UC\Escritorio\RepoRecursosPGY4121>
```

3. **Cambiar de rama: git checkout docente**

```
C:\Users\Vivitasol\OneDrive - Fundacion Instituto Profesional Duoc UC\Escritorio\RepoRecursosPGY4121>git checkout docente
Switched to branch 'docente'
C:\Users\Vivitasol\OneDrive - Fundacion Instituto Profesional Duoc UC\Escritorio\RepoRecursosPGY4121>
```

4. **Verificar ramas y la rama activa: git Branch**

```
C:\Users\Vivitasol\OneDrive - Fundacion Instituto Profesional Duoc UC\Escritorio\RepoRecursosPGY4121>git branch
* docente
  main
C:\Users\Vivitasol\OneDrive - Fundacion Instituto Profesional Duoc UC\Escritorio\RepoRecursosPGY4121>
```

Observe que la rama activa debe tener un símbolo de * (asterisco) antes del nombre de la rama.

5. Almacenaremos algunos archivos en la carpeta de nuestro repositorio

```
C:\Users\Vivitasol\OneDrive - Fundacion Instituto Profesional Duoc UC\Escritorio\RepoRecursosPGY4121>git status
On branch docente
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    Generar APK.pdf
    Git.docx
    Implementar Camara.pdf
    src/
```

6. Sobre la rama que esta activa, preparamos nuestro repositorio;

git add .

```
C:\Users\Vivitasol\OneDrive - Fundacion Instituto Profesional Duoc UC\Escritorio\RepoRecursosPGY4121>git add .
warning: LF will be replaced by CRLF in src/app/app-routing.module.ts.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in src/app/app.component.html.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in src/app/app.component.spec.ts.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in src/app/app.component.ts.
```

git commit -m "Recursos varios"

```
C:\Users\Vivitasol\OneDrive - Fundacion Instituto Profesional Duoc UC\Escritorio\RepoRecursosPGY4121>git commit -m "Recursos varios"
[docente 55a4540] Recursos varios
26 files changed, 369 insertions(+)
create mode 100644 Generar APK.pdf
create mode 100644 Git.docx
create mode 100644 Implementar Camara.pdf
create mode 100644 src/app/app-routing.module.ts
create mode 100644 src/app/app.component.html
create mode 100644 src/app/app.component.scss
create mode 100644 src/app/app.component.spec.ts
create mode 100644 src/app/app.component.ts
create mode 100644 src/app/app.module.ts
create mode 100644 src/app/home/home-routing.module.ts
create mode 100644 src/app/home/home.module.ts
create mode 100644 src/app/home/home.page.html
create mode 100644 src/app/home/home.page.scss
create mode 100644 src/app/home/home.page.spec.ts
```

7. Subimos los cambios a github:

git push -u origin docente

```
C:\Windows\system32\cmd.exe

C:\Users\Vivitasol\OneDrive - Fundacion Instituto Profesional Duoc UC\Escritorio\RepoRecursosPGY4121>git push -u origin docente
Enumerating objects: 36, done.
Counting objects: 100% (36/36), done.
Delta compression using up to 8 threads
Compressing objects: 100% (32/32), done.
Writing objects: 100% (35/35), 1.17 MiB | 930.00 KiB/s, done.
Total 35 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
remote:
remote: Create a pull request for 'docente' on GitHub by visiting:
remote:   https://github.com/ProfeVivitaSol/RepoRecursosPGY4121/pull/new/docente
remote:
To https://github.com/ProfeVivitaSol/RepoRecursosPGY4121.git
 * [new branch]   docente -> docente
branch 'docente' set up to track 'origin/docente'.

C:\Users\Vivitasol\OneDrive - Fundacion Instituto Profesional Duoc UC\Escritorio\RepoRecursosPGY4121>
```

8. En github:

The image shows two screenshots of a GitHub repository named 'RepoRecursosPGY4121' by 'ProfeVivitaSol'.

Top Screenshot: The repository page for 'main'. A 'Switch branches/tags' modal is open, showing 'main' as the selected branch. The 'docente' branch is also visible in the list. The main content area shows the 'Initial commit' with a commit hash '2ddec1' from 23 minutes ago.

Bottom Screenshot: The repository page for the 'docente' branch. It shows that this branch is 1 commit ahead of 'main'. The file list includes:

File	Commit	Time
src	Recursos varios	6 minutes ago
Generar APK.pdf	Recursos varios	6 minutes ago
Git.docx	Recursos varios	6 minutes ago
Implementar Camara.pdf	Recursos varios	6 minutes ago
README.md	Initial commit	25 minutes ago