

ENTREGA 1

```
C:\DEV\Master\01_GIT>gh repo create modulo1 --public --clone
```

```
✓ Created repository LikiDev/modulo1 on github.com
```

```
https://github.com/LikiDev/modulo1
```

```
C:\DEV\Master\01_GIT>cd modulo1
```

```
C:\DEV\Master\01_GIT\modulo1>echo "Jordi Nadal Canto" > README.md
```

```
C:\DEV\Master\01_GIT\modulo1>more README.md
```

```
"Jordi Nadal Canto"
```

```
C:\DEV\Master\01_GIT\modulo1>git add README.md
```

```
C:\DEV\Master\01_GIT\modulo1>git commit -m "feat: add README with my name"
```

```
[master (root-commit) c0b3bf4] feat: add README with my name
```

```
1 file changed, 1 insertion(+)
```

```
create mode 100644 README.md
```

```
C:\DEV\Master\01_GIT\modulo1>git push origin main
```

```
error: src refspec main does not match any
```

```
error: failed to push some refs to 'https://github.com/LikiDev/modulo1.git'
```

```
C:\DEV\Master\01_GIT\modulo1>git branch
```

```
// He cometido el Error de tener rama MASTER en lugar de MAIN
```

```
C:\DEV\Master\01_GIT\modulo1>git branch -m master main
```

```
C:\DEV\Master\01_GIT\modulo1>git push origin main
```

```
Enumerating objects: 3, done.
```

```
Counting objects: 100% (3/3), done.
```

```
Writing objects: 100% (3/3), 253 bytes | 253.00 KiB/s, done.
```

```
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
```

```
To https://github.com/LikiDev/modulo1.git
```

```
* [new branch]      main -> main
```

```
// Redirijo la rama x defecto a main
```

```
C:\DEV\Master\01_GIT\modulo1>git symbolic-ref refs/remotes/origin/HEAD  
refs/remotes/origin/main
```

ENTREGA 2

Protegemos la rama...

The screenshot shows the GitHub interface for the repository 'modulo1'. The 'Settings' tab is selected, and the 'Branches' section is active in the left sidebar. The main content area is titled 'Branch protection rule'. It includes a section 'Protect your most important branches' with explanatory text and a link to the GitHub Free plan. Below this, the 'Branch name pattern' is set to 'main'. The 'Protect matching branches' section contains several checkboxes: 'Require a pull request before merging' (checked), 'Require approvals' (checked), 'Dismiss stale pull request approvals when new commits are pushed' (unchecked), 'Require review from Code Owners' (unchecked), and 'Require approval of the most recent reviewable push' (unchecked). Each checked option has a brief description of its function.

... y añadimos colaborador

The screenshot shows the 'Collaborators and teams' settings for the repository 'modulo1'. The repository is marked as a 'Public repository'. Under 'Direct access', it shows '0 collaborators have access to this repository. Only you can'. An 'Add people to modulo1' modal is open in the foreground, displaying a search result for 'Victor Carrillo-Redondo' with the username 'victorrrd'. The modal has 'Cancel' and 'Add victorrrd' buttons.

ENTREGA 3:

```
C:\DEV\Master\01_GIT\modulo1>git checkout -b feature/gitignore
```

```
Switched to a new branch 'feature/gitignore'
```

```
C:\DEV\Master\01_GIT\modulo1>echo *.log > .gitignore
```

```
C:\DEV\Master\01_GIT\modulo1>more .gitignore
```

```
*.log
```

```
C:\DEV\Master\01_GIT\modulo1>git add .gitignore
```

```
C:\DEV\Master\01_GIT\modulo1>git commit -m "feat: add logfiles to .gitignore"
```

```
[feature/gitignore cb1e142] feat: add logfiles to .gitignore
```

```
1 file changed, 1 insertion(+)
```

```
create mode 100644 .gitignore
```

```
C:\DEV\Master\01_GIT\modulo1>git push origin feature/gitignore
```

```
Enumerating objects: 4, done.
```

```
Counting objects: 100% (4/4), done.
```

```
Delta compression using up to 14 threads
```

```
Compressing objects: 100% (2/2), done.
```

```
Writing objects: 100% (3/3), 303 bytes | 303.00 KiB/s, done.
```

```
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
```

```
remote:
```

```
remote: Create a pull request for 'feature/gitignore' on GitHub by visiting:
```

```
remote:      https://github.com/LikiDev/modulo1/pull/new/feature/gitignore
```

```
remote:
```

```
To https://github.com/LikiDev/modulo1.git
```

```
* [new branch]      feature/gitignore -> feature/gitignore
```

```
C:\DEV\Master\01_GIT\modulo1>gh pr create --base main --head feature/gitignore  
--title "Añadir .gitignore" --body "Ignorar archivos .log"
```

```
Creating pull request for feature/gitignore into main in LikiDev/modulo1
```

```
https://github.com/LikiDev/modulo1/pull/1
```

Ya tengo la PR en github

The screenshot shows a GitHub Pull Request (PR) titled "Añadir .gitignore #1". At the top, the repository is "LikiDev / modulo1". The PR is from the "feature/gitignore" branch to the "main" branch. A green "Open" button is visible. Below the title, there are tabs for "Conversation" (0), "Commits" (1), "Checks" (0), and "Files changed" (1). A comment from "LikiDev" (owner) says "Ignorar archivos .log" with a smiley face emoji. Below the comment is a commit preview: "feat: add logfiles to .gitignore" with hash "cb1e142". At the bottom, there is a "Commit message" section with a text box containing "Merge pull request #1 from LikiDev/feature/gitignore". Below that is an "Extended description" text box containing "Añadir .gitignore". At the very bottom, it says "This commit will be authored by 110226639+LikiDev@users.noreply.github.com." and has "Confirm merge" and "Cancel" buttons.

Confirmo merge y borro rama hija.

This screenshot shows the commit history of the repository. It features a comment from "LikiDev" (owner) saying "Ignorar archivos .log" with a smiley face emoji. Below the comment is a commit: "feat: add logfiles to .gitignore" with hash "40f0c5a". Below this commit, a message states: "LikiDev merged commit 40f0c5a into main 1 minute ago". At the bottom, another message states: "LikiDev deleted the feature/gitignore branch now".

ENTREGA 4:

```
C:\DEV\Master\01_GIT\modulo1>git checkout -b feature/suma
Switched to a new branch 'feature/suma'

C:\DEV\Master\01_GIT\modulo1>echo def suma(a, b): return a + b > Operations.py
C:\DEV\Master\01_GIT\modulo1>more Operations.py
def suma(a, b): return a + b

C:\DEV\Master\01_GIT\modulo1>git add Operations.py
C:\DEV\Master\01_GIT\modulo1>git commit -m "feat: function suma"
[feature/suma 4002329] feat: function suma

1 file changed, 1 insertion(+)
create mode 100644 Operations.py

C:\DEV\Master\01_GIT\modulo1>git push origin feature/suma
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 14 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (6/6), 538 bytes | 538.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'feature/suma' on GitHub by visiting:
remote:      https://github.com/LikiDev/modulo1/pull/new/feature/suma
remote:
To https://github.com/LikiDev/modulo1.git
* [new branch]      feature/suma -> feature/suma

C:\DEV\Master\01_GIT\modulo1>gh pr create --base main --head feature/suma --
title "Función suma" --body "Añadida la funcion suma en Operations.py"

Creating pull request for feature/suma into main in LikiDev/modulo1
https://github.com/LikiDev/modulo1/pull/2

C:\DEV\Master\01_GIT\modulo1>git checkout main
Switched to branch 'main'
```

```

C:\DEV\Master\01_GIT\modulo1>git checkout -b feature/resta
Switched to a new branch 'feature/resta'

C:\DEV\Master\01_GIT\modulo1>echo def resta(a, b): return a - b > Operations.py
C:\DEV\Master\01_GIT\modulo1>git add Operations.py
C:\DEV\Master\01_GIT\modulo1>git commit -m "feat: function resta"

[feature/resta 0386f29] feat: function resta
1 file changed, 1 insertion(+)
create mode 100644 Operations.py

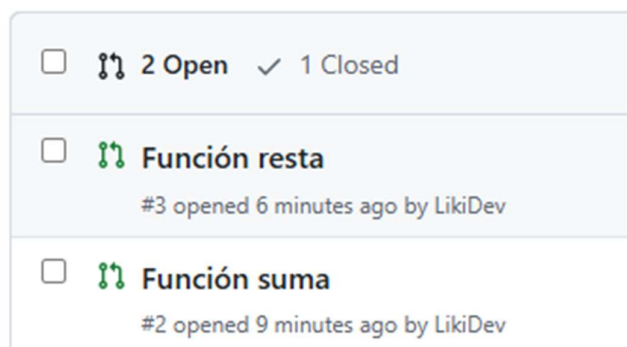
C:\DEV\Master\01_GIT\modulo1>git push origin feature/resta
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 14 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 316 bytes | 316.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'feature/resta' on GitHub by visiting:
remote:      https://github.com/LikiDev/modulo1/pull/new/feature/resta
remote:
To https://github.com/LikiDev/modulo1.git
 * [new branch]      feature/resta -> feature/resta

C:\DEV\Master\01_GIT\modulo1>gh pr create --base main --head feature/resta --
title "Función resta" --body "Añadida la funcion resta en Operations.py"

```

Creating pull request for feature/resta into main in LikiDev/modulo1

<https://github.com/LikiDev/modulo1/pull/3>



LAS DOS PR's PENDIENTES, QUE NOS GENERARÁN CONFLICTO AL MERGEAR A MAIN

ENTREGA 5:

Función suma #2

Merged

LikiDev merged 1 commit into `main` from `feature/suma` [🔗](#) now

Conversation 0

Commits 1

Checks 0

Files changed 1

LikiDev commented 1 hour ago

Owner ...

Añadida la función suma en Operations.py

👍

feat: function suma

4802329

LikiDev merged commit 650fdaa into `main` now

Revert

LikiDev commented now

Owner Author ...

funcion suma es OK y no tiene conflictos

👍

LikiDev deleted the `feature/suma` branch now

Restore branch

Pull request successfully merged and closed
You're all set — the branch has been merged.

Función resta #3

Open

LikiDev wants to merge 1 commit into `main` from `feature/resta` [🔗](#)

Conversation 0

Commits 1

Checks 0

Files changed 1

LikiDev commented 1 hour ago

Owner ...

Añadida la función resta en Operations.py

👍

feat: function resta

0386f29

This branch has conflicts that must be resolved
Use the [web editor](#) or the command line to resolve conflicts before continuing.
[Operations.py](#)

Resolve conflicts

Merge pull request

You can also merge this with the command line. [View command line instructions.](#)

Función resta #3

Resolving conflicts between `feature/resta` and `main` and committing changes → `feature/resta`

Commit merge

1 conflicting file	Operations.py	✓ Resolved
Operations.py	<div>1 <code>def suma(a, b): return a + b</code></div> <div>2 <code>def resta(a, b): return a - b</code></div> <div>3</div>	

Función resta #3

Merged

LikiDev merged 2 commits into `main` from `feature/resta` 1 minute ago

Conversation 0

Commits 2

Checks 0

Files changed 1

Changes from 1 commit ▾ File filter ▾ Conversations ▾ Jump to ▾ ⚙ ▾

Merge branch 'main' into feature/resta

main (#3)

LikiDev authored 2 minutes ago Verified

1 Operations.py

```
...    @@ -1,2 @@
1 + def suma(a, b): return a + b
1 2  def resta(a, b): return a - b
```

El conflicto ha quedado resuelto.

```
C:\DEV\Master\01_GIT\modulo1>git checkout main
```

Switched to branch 'main'

```
C:\DEV\Master\01_GIT\modulo1>git pull origin main
```

From https://github.com/LikiDev/modulo1

```
* branch          main          -> FETCH_HEAD
```

Updating c0b3bf4..f21b100

Fast-forward

```
.gitignore      | 1 +
```

```
Operations.py   | 2 ++
```

2 files changed, 3 insertions(+)

create mode 100644 .gitignore

create mode 100644 Operations.py

```
C:\DEV\Master\01_GIT\modulo1>more Operations.py
```

```
def suma(a, b): return a + b
```

```
def resta(a, b): return a - b
```


ENTREGA 6:

```
C:\DEV\Master\01_GIT\modulo1>git checkout -b feature/ci
Switched to a new branch 'feature/ci'
C:\DEV\Master\01_GIT\modulo1>md .github
C:\DEV\Master\01_GIT\modulo1>cd .github
C:\DEV\Master\01_GIT\modulo1\.github>md workflows
C:\DEV\Master\01_GIT\modulo1\.github>cd workflows
C:\DEV\Master\01_GIT\modulo1\.github\workflows>more demo.yml
name: DemoWF
```

on:

```
  workflow_dispatch:
```

jobs:

```
  build:
```

```
    runs-on: ubuntu-latest
```

```
    steps:
```

```
      - name: Mostrar nombre
```

```
        run: echo "Jordi Nadal"
```

```
C:\DEV\Master\01_GIT\modulo1\.github\workflows>git add .
```

#NOTA: Por conventional commit, esto podría ser una feat o un ci

```
C:\DEV\Master\01_GIT\modulo1\.github\workflows>git commit -m "feat: add
workflow printing name"
```

```
[feature/ci 2eb0cc4] feat: add workflow printing name
```

```
1 file changed, 11 insertions(+)
```

```
create mode 100644 .github/workflows/demo.yml
```

```
C:\DEV\Master\01_GIT\modulo1\.github\workflows>git push origin feature/ci
```

```
Enumerating objects: 6, done.
```

```
Counting objects: 100% (6/6), done.
```

```
Delta compression using up to 14 threads
```

```
Compressing objects: 100% (3/3), done.
```

```
Writing objects: 100% (5/5), 490 bytes | 490.00 KiB/s, done.
```

```
Total 5 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
```

```
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
```

remote:

remote: Create a pull request for 'feature/ci' on GitHub by visiting:

remote: <https://github.com/LikiDev/modulo1/pull/new/feature/ci>

remote:

To <https://github.com/LikiDev/modulo1.git>

```
* [new branch]      feature/ci -> feature/ci
```

#PULLREQUEST creada ← la mergearemos desde github

```
C:\DEV\Master\01_GIT\modulo1\.github\workflows>gh pr create --base main --head  
feature/ci --title "Añadir CI demo" --body "Se añade workflow que imprime el  
nombre"
```

Creating pull request for feature/ci into main in LikiDev/modulo1

<https://github.com/LikiDev/modulo1/pull/4>

Desde la web de github hemos ejecutado la action y nos ha dado la salida esperada:

The screenshot shows the GitHub Actions interface for a workflow named 'DemoWF' in the repository 'LikiDev / modulo1'. The workflow run is labeled 'DemoWF #1' and has a green checkmark indicating it succeeded. The left sidebar shows the 'Summary' tab selected, with a 'Jobs' section listing a single job named 'build' which is also marked as successful. The main content area displays the details of the 'build' job, which succeeded 3 minutes ago in 4 seconds. The job steps are listed as follows:

- > Set up job
- ▼ Mostrar nombre
 - 1 ▶ Run echo "Jordi Nadal"
 - 4 Jordi Nadal
- > Complete job