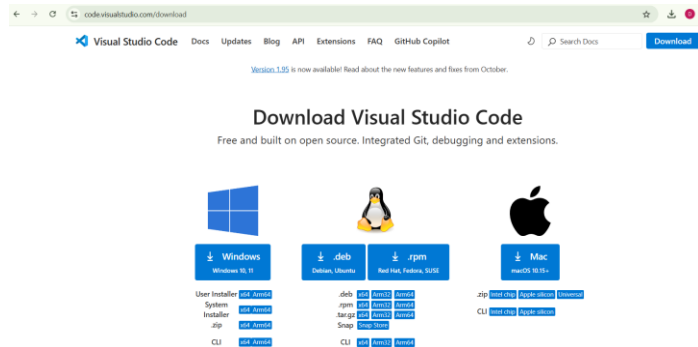


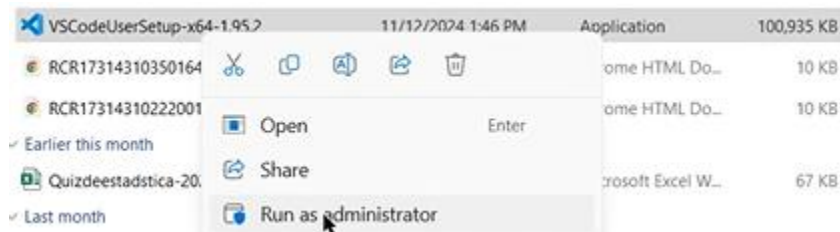
Instalación de entorno y uso de GitHub (versión 2024.11.16)

1. Instalar visual studio code

<https://code.visualstudio.com/download>



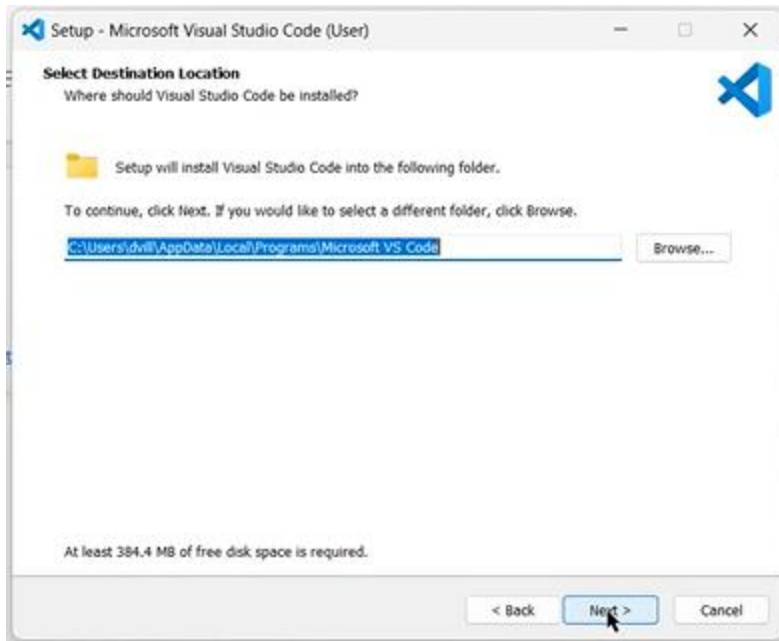
Ir a la carpeta de descargas y dar click en correr como administrador



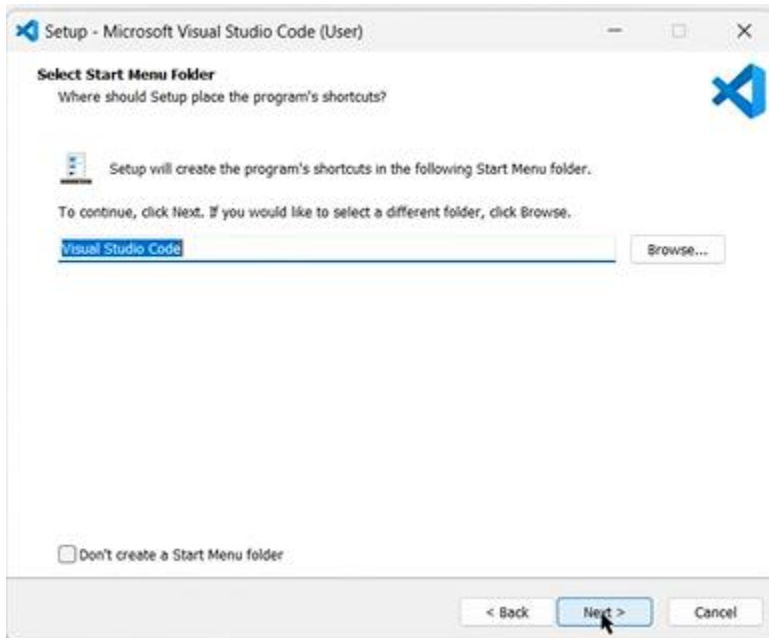
Aceptar la licencia

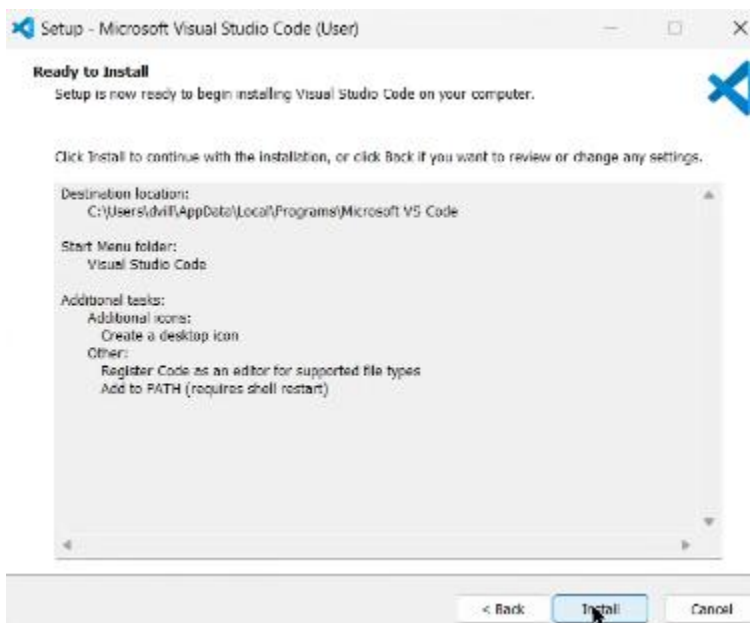
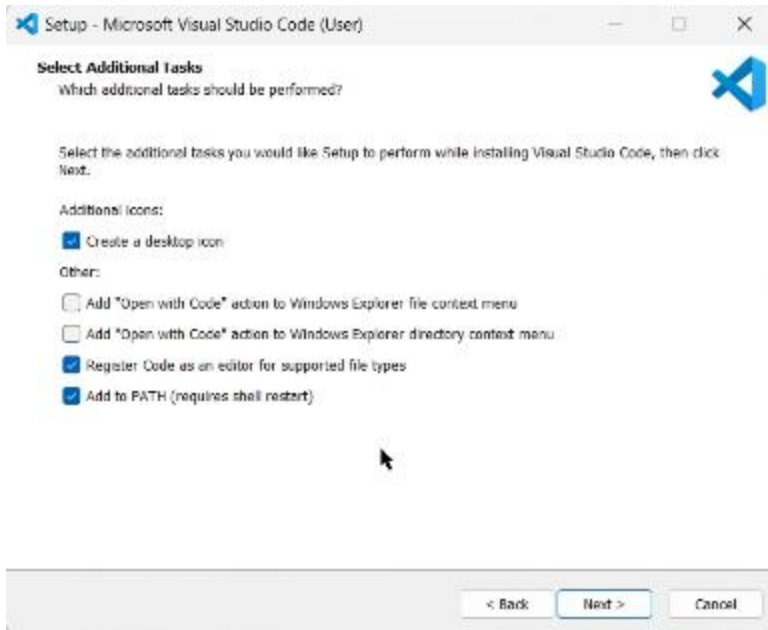


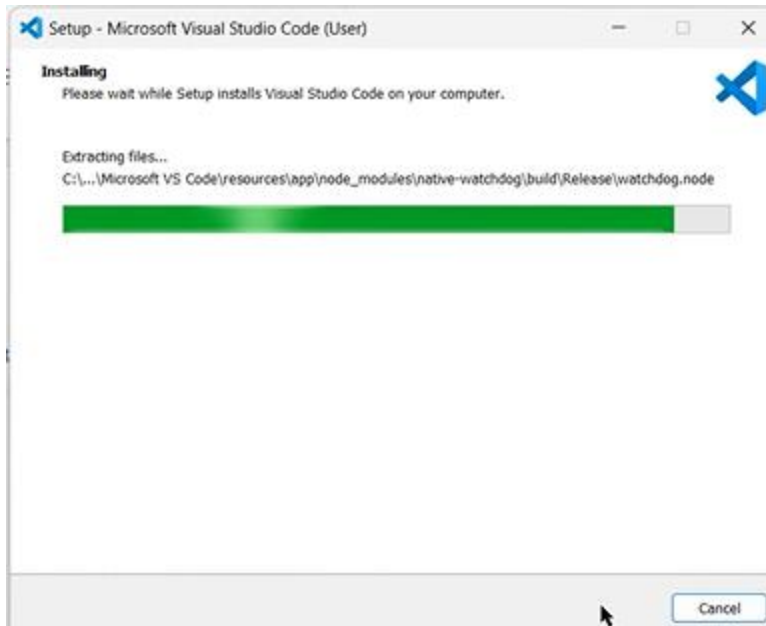
Click en Next o Continuar



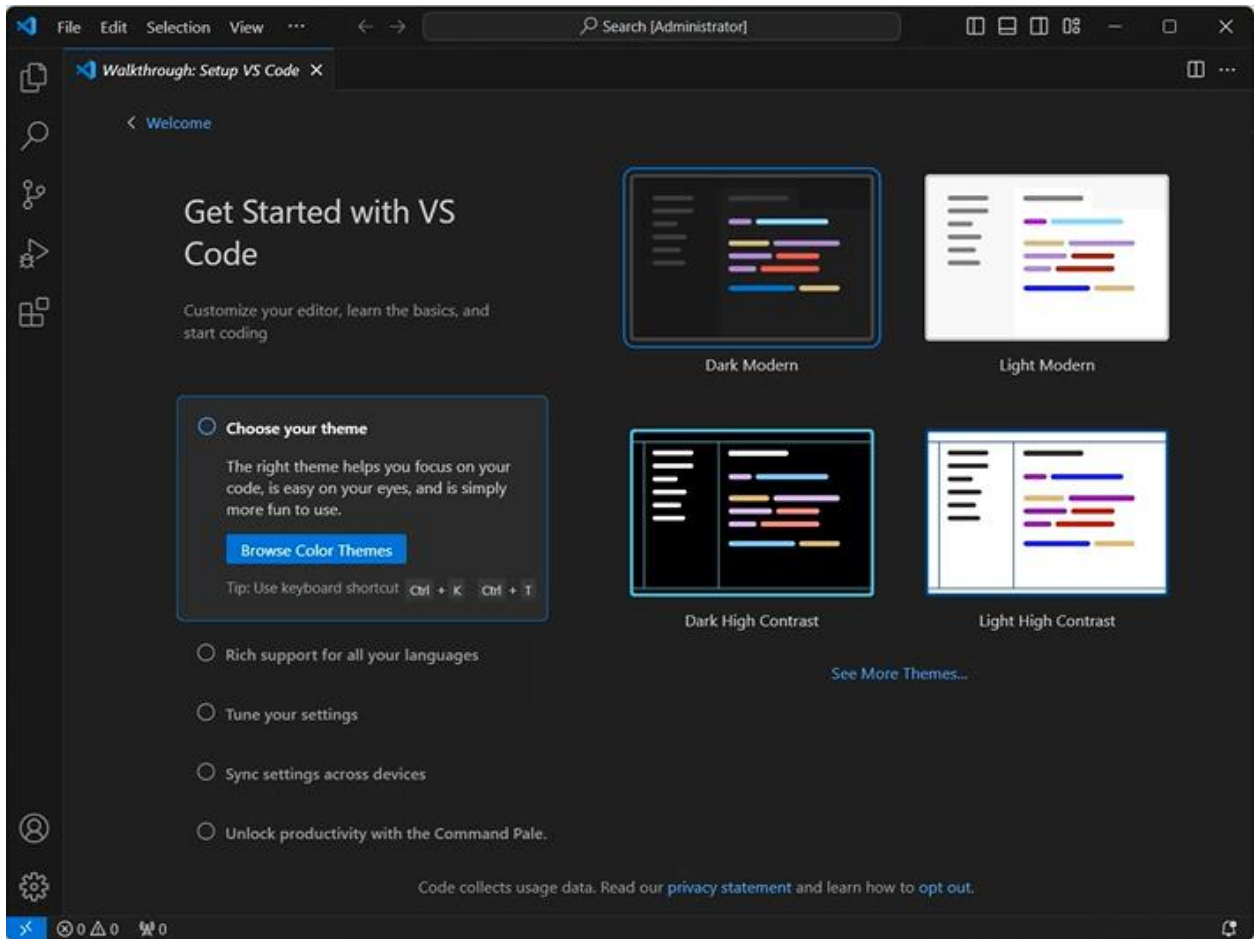
Dar clic en Next o Continuar







Se abre VSC





2. Instalar GIT

<https://git-scm.com/downloads>

← → ↻ git-scm.com/downloads

git --distributed-even-if-your-workflow-isnt

🔍 Type / to search entire site...

About
Documentation
Downloads
GUI Clients
Logos
Community

The entire **Pro Git book** written by Scott Chacon and Ben Straub is available to read online for free. Dead tree versions are available on [Amazon.com](#).

Downloads

🍏 macOS 🪟 Windows
🐧 Linux/Unix

Older releases are available and the Git source repository is on GitHub.

GUI Clients
Git comes with built-in GUI tools (**git-gui**, **gitk**), but there are several third-party tools for users looking for a platform-specific experience.
[View GUI Clients →](#)

Logos
Various Git logos in PNG (bitmap) and EPS (vector) formats are available for use in online and print projects.
[View Logos →](#)

Latest source Release
2.47.0
Release Notes (2024-10-06)
[Download for Windows](#)

Git via Git
If you already have Git installed, you can get the latest development version via Git itself:

```
git clone https://github.com/git/git
```


You can also always browse the current contents of the git repository using the [web interface](#).

Dar click en sistema operativo por ejemplo Windows

git --local-branching-on-the-cheap

🔍 Type / to search entire site...

About
Documentation
Downloads
GUI Clients
Logos
Community

The entire **Pro Git book** written by Scott Chacon and Ben Straub is available to read online for free. Dead tree versions are available on [Amazon.com](#).

Download for Windows

[Click here to download](#) the latest (**2.47.0(2)**) **64-bit** version of **Git for Windows**. This is the most recent **maintained build**. It was released **21 days ago**, on 2024-10-22.

Other Git for Windows downloads

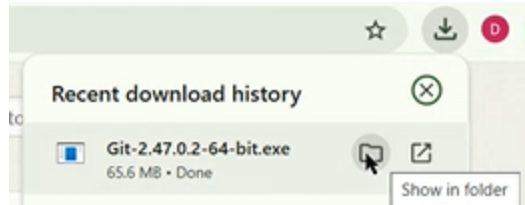
Standalone Installer
[32-bit Git for Windows Setup](#).
[64-bit Git for Windows Setup](#).
Portable ("thumbdrive edition")
[32-bit Git for Windows Portable](#).
[64-bit Git for Windows Portable](#).

Using winget tool
Install **winget** tool if you don't already have it, then type this command in command prompt or Powershell.

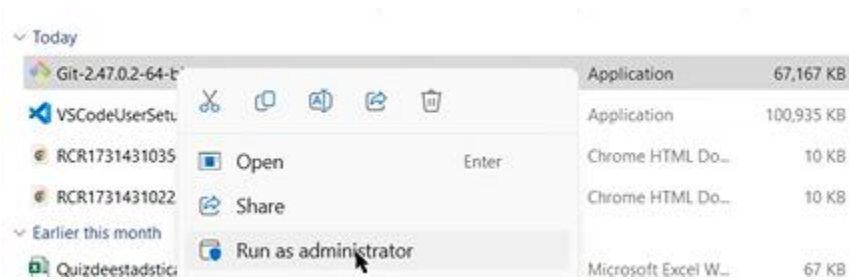
```
winget install --id Git.Git -e --source winget
```


The current source code release is version **2.47.0**. If you want the newer version, you can build it from [the source code](#).

Abrir folder descargas



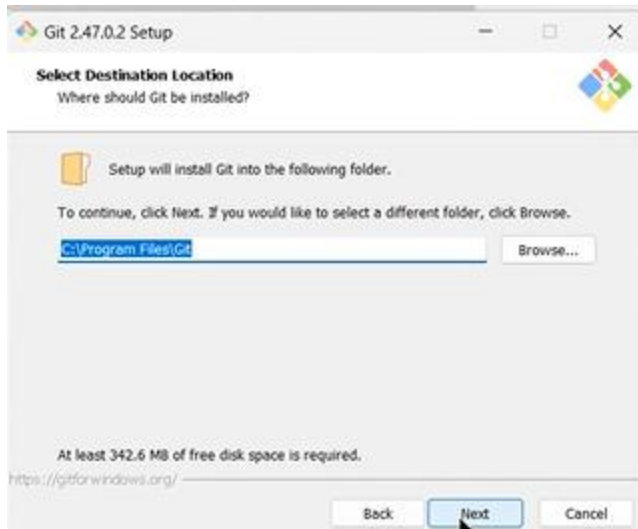
Ejecutar como administrador



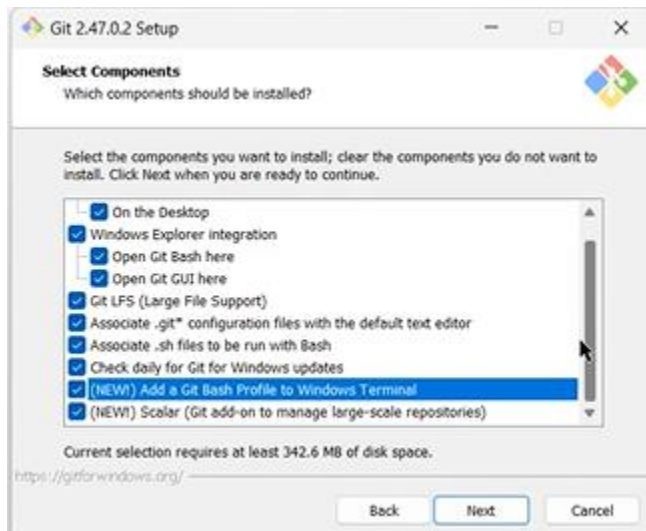
Next



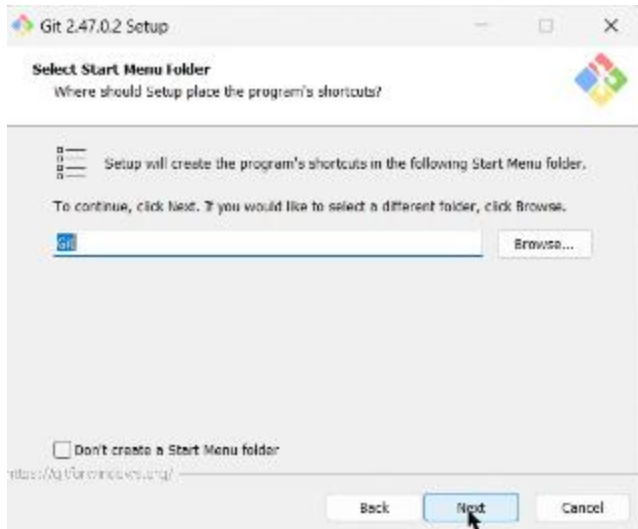
Next



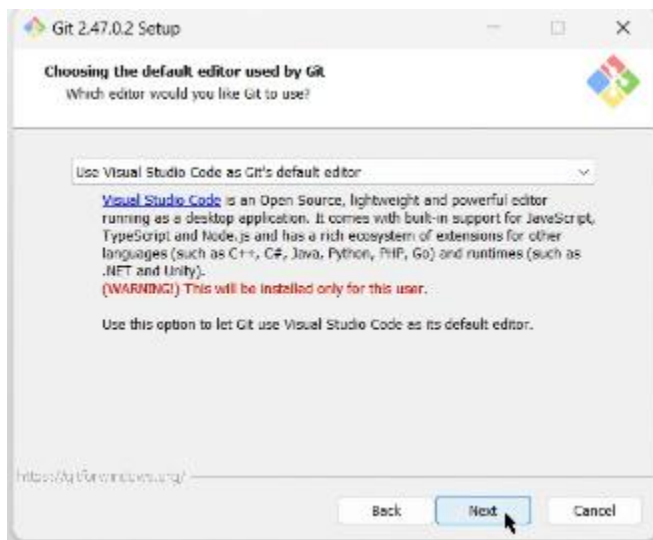
Seleccionas las opciones



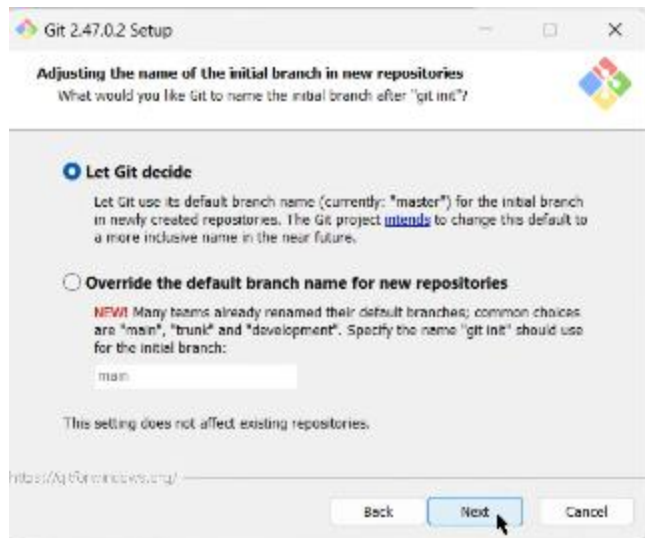
Next



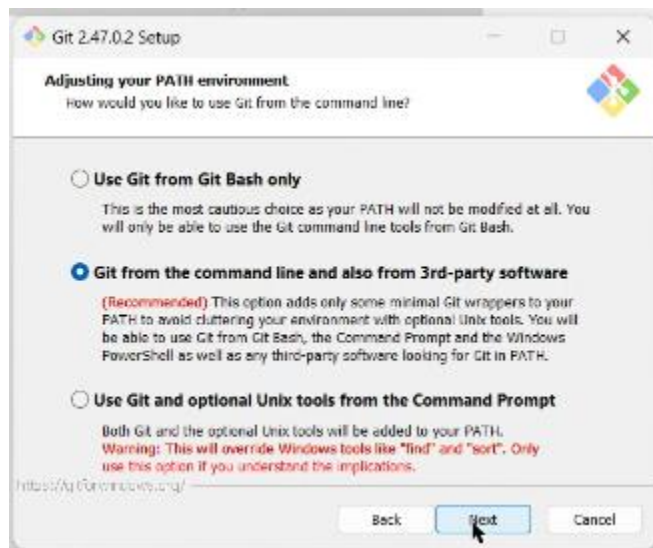
Seleccionar Visual Studio Code como editor default



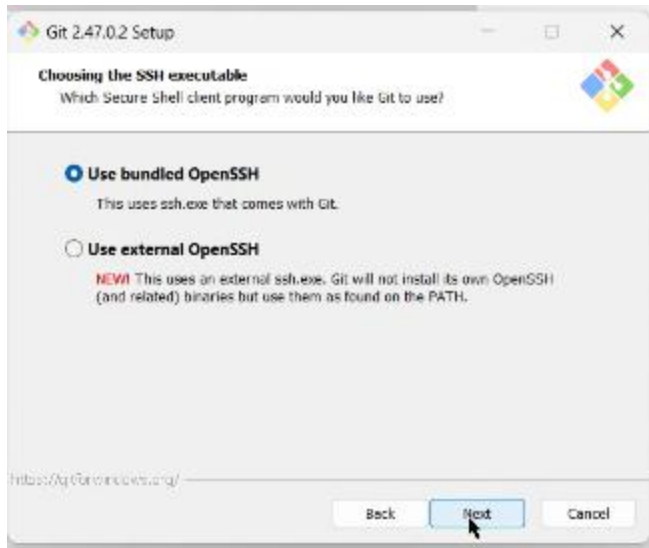
Next



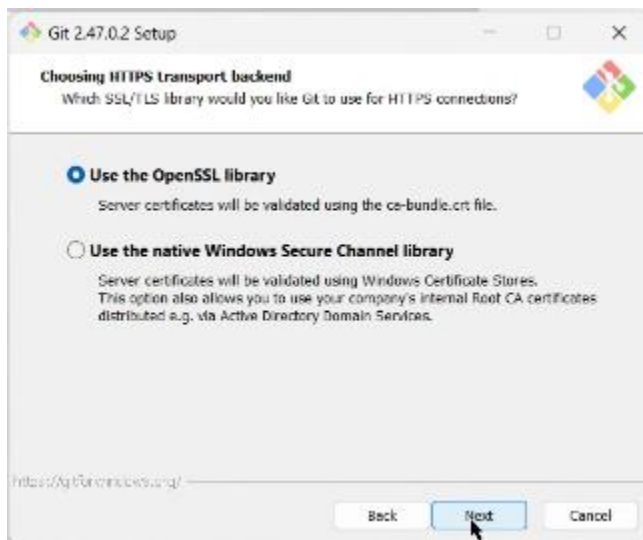
Escoger



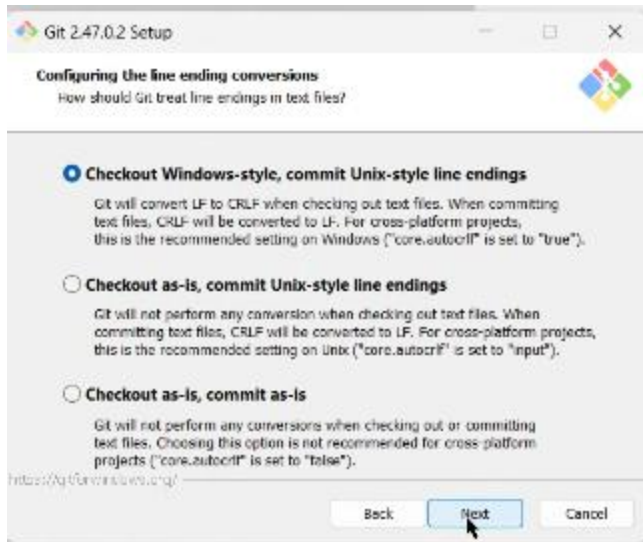
Next



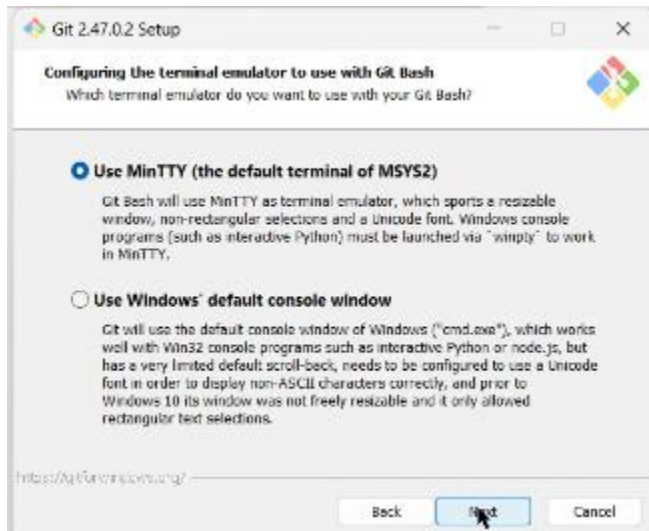
Next



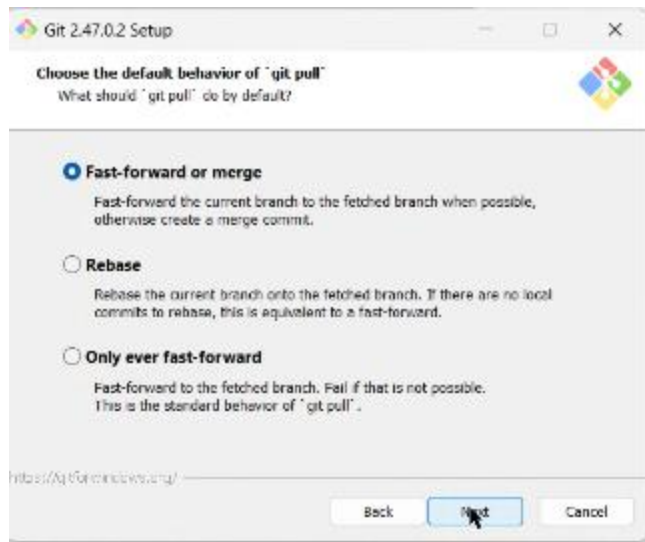
Next



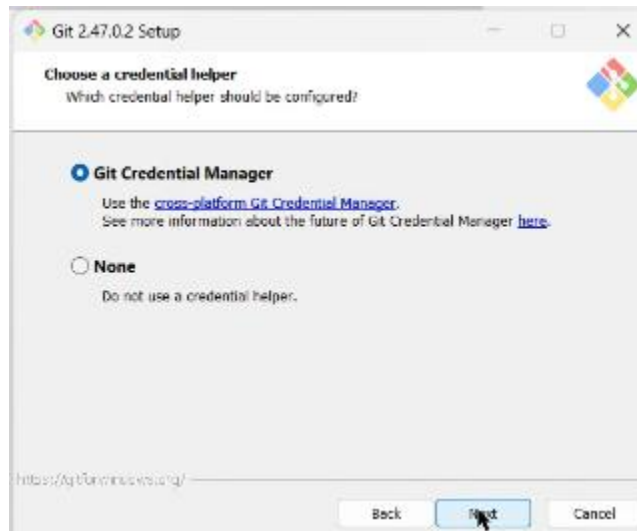
Next



Next



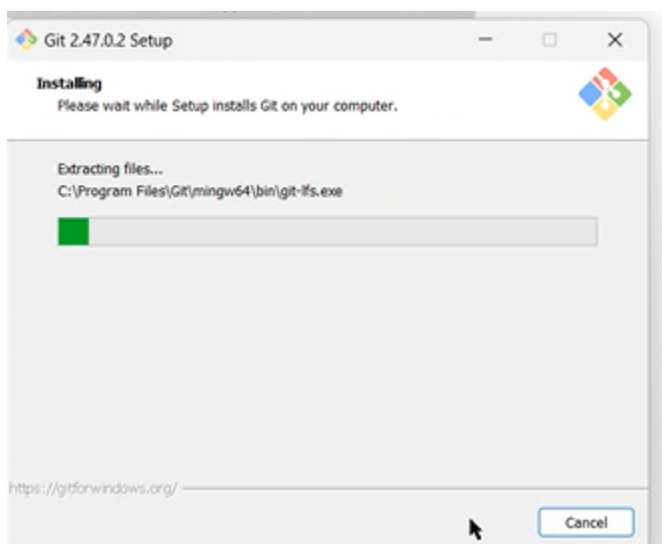
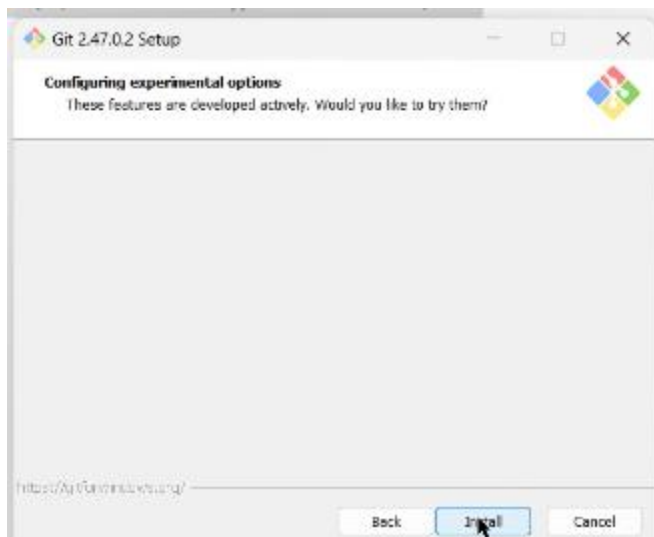
Next



Enable file system caching



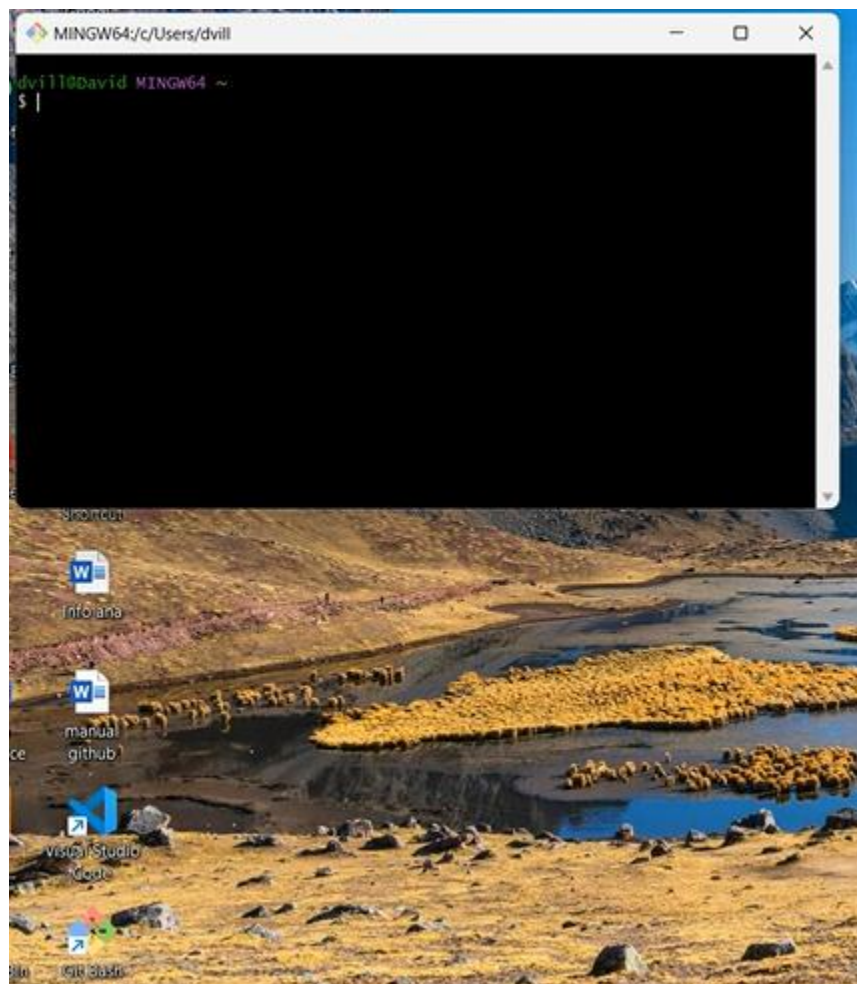
Install



Finish



Instalación de GIT, se puede cerrar esta ventana



3. Crear cuenta de GitHub, ingresa a la siguiente página web

<https://github.com/signup>

Ingresa el correo con el cual quieres usar GitHub y dar click en Continue


Ingresa un password que no hayas usado en otra web y que lo recuerdes para usarlo para ingresar a tu cuenta de GitHub

Welcome to GitHub!
Let's begin the adventure

Enter your email*

✓ davillamarfl@flacso.edu.ec

Create a password*

→ 

— — —

Password is strong

Make sure it's at least 15 characters OR at least 8 characters including a number and a lowercase letter.

By creating an account, you agree to the [Terms of Service](#). For more information about GitHub's privacy practices, see the [GitHub Privacy Statement](#). We'll occasionally send you account-related emails.

Ingresa un username

Welcome to GitHub!
Let's begin the adventure


Enter your email*

✓ davillamarfl@flacso.edu.ec

Create a password*

✓

Enter a username*

→ 

DDavidVillamar is available.

By creating an account, you agree to the [Terms of Service](#). For more information about GitHub's privacy practices, see the [GitHub Privacy Statement](#). We'll occasionally send you account-related emails.

Verifica tu cuenta dando click en Verify

Welcome to GitHub!
Let's begin the adventure

Verify your account

Protecting your account

Please solve this puzzle so we know you are a real person

Verify

Audio

By creating an account, you agree to the [Terms of Service](#). For more information about GitHub's privacy practices, see the [GitHub Privacy Statement](#). We'll occasionally send you account-related emails.

Verify your account

Use the arrows to rotate the object to face in the direction of the hand. (1 of 1)

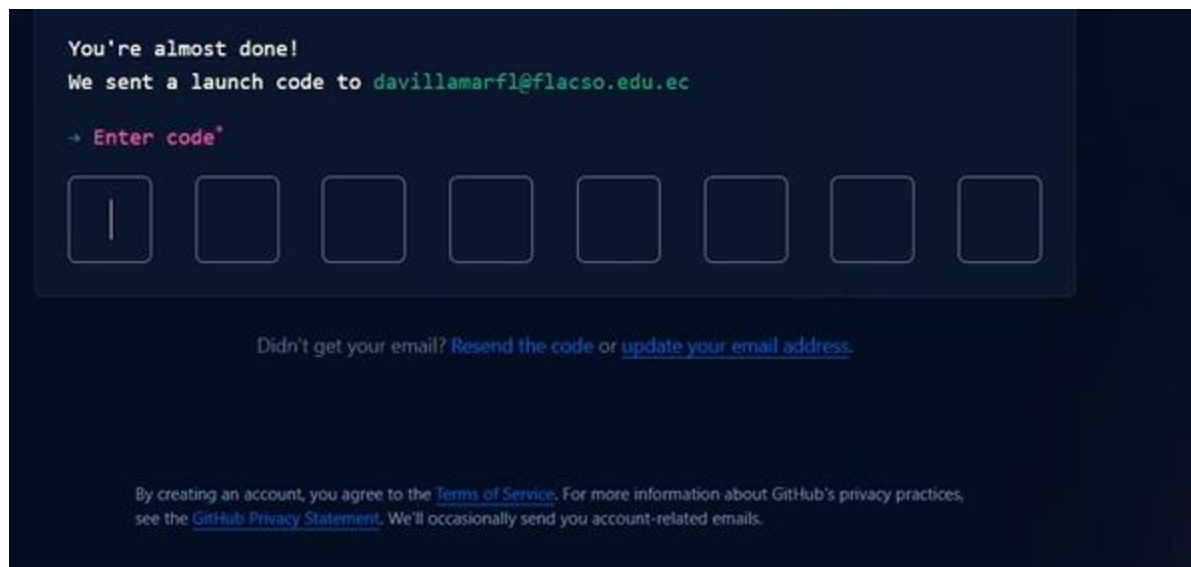


Match this angle

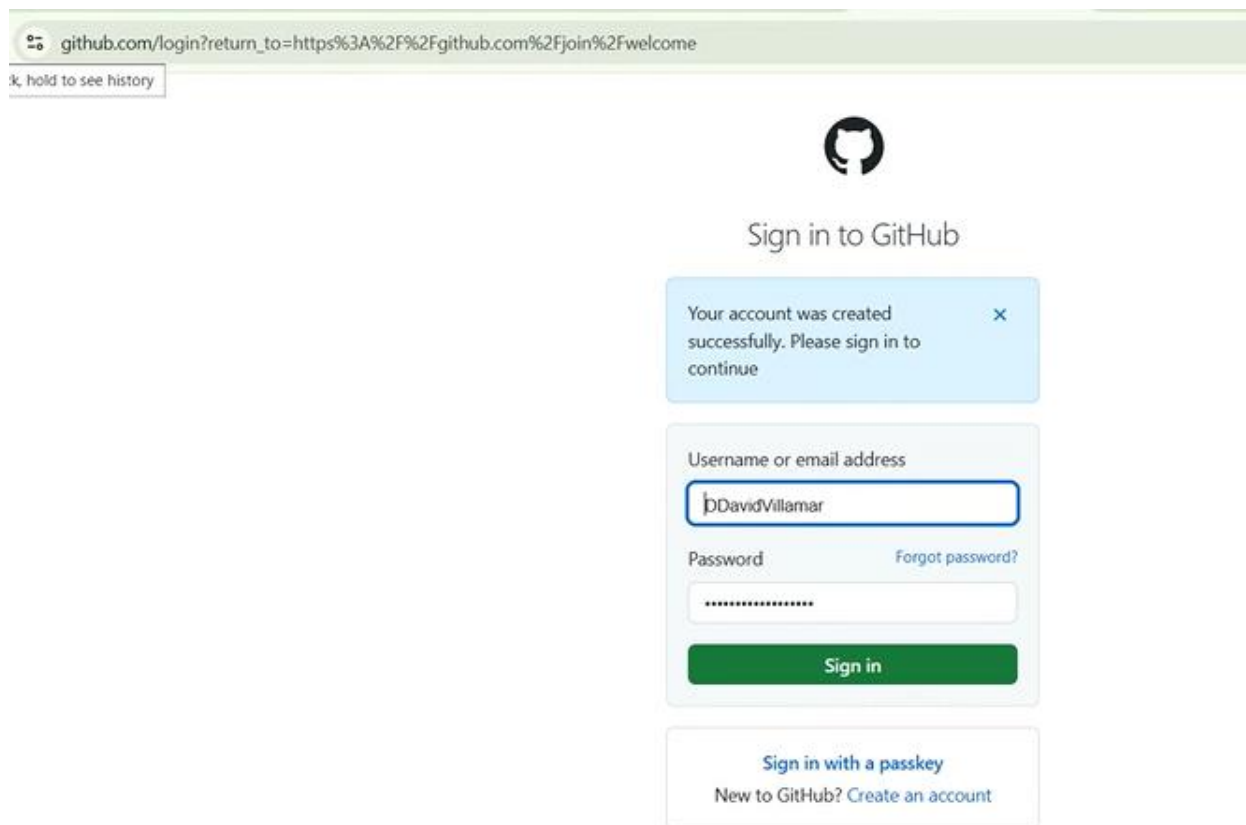


Submit


Ingresa el código que te llega al correo



Luego de ingresar tu código vas a la página de inicio de tu nueva cuenta de GitHub



Dar click en Sign in



Sign in to GitHub

Your account was created successfully. Please sign in to continue ×

Username or email address



Password [Forgot password?](#)

Sign in

[Sign in with a passkey](#)

New to GitHub? [Create an account](#)

Escoger opciones de acuerdo a tu perfil y Continúe



Welcome to GitHub

We are glad you're here.

This will help us guide you to the tools that are best suited for your projects.

How would you describe yourself?

☐ Student ☒ Teacher

☐ Working developer ☐ Other

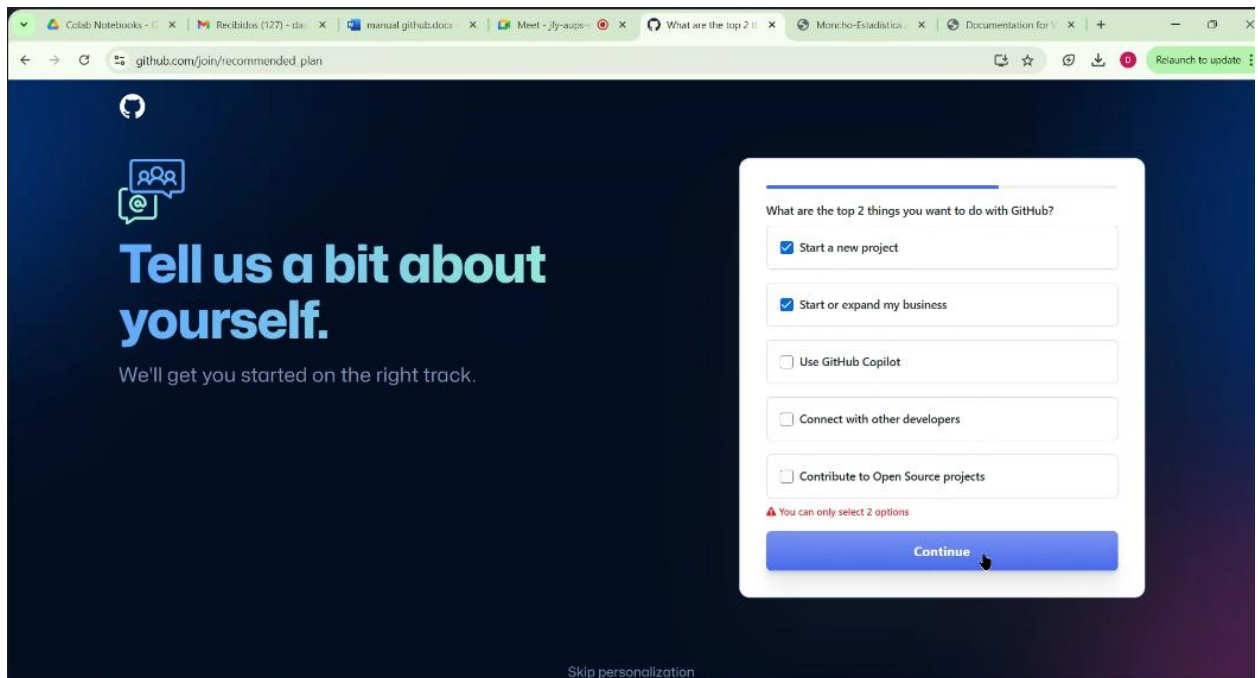
How many team members will be working with you?

☐ Just me ☒ 2-5 ☐ 5-10

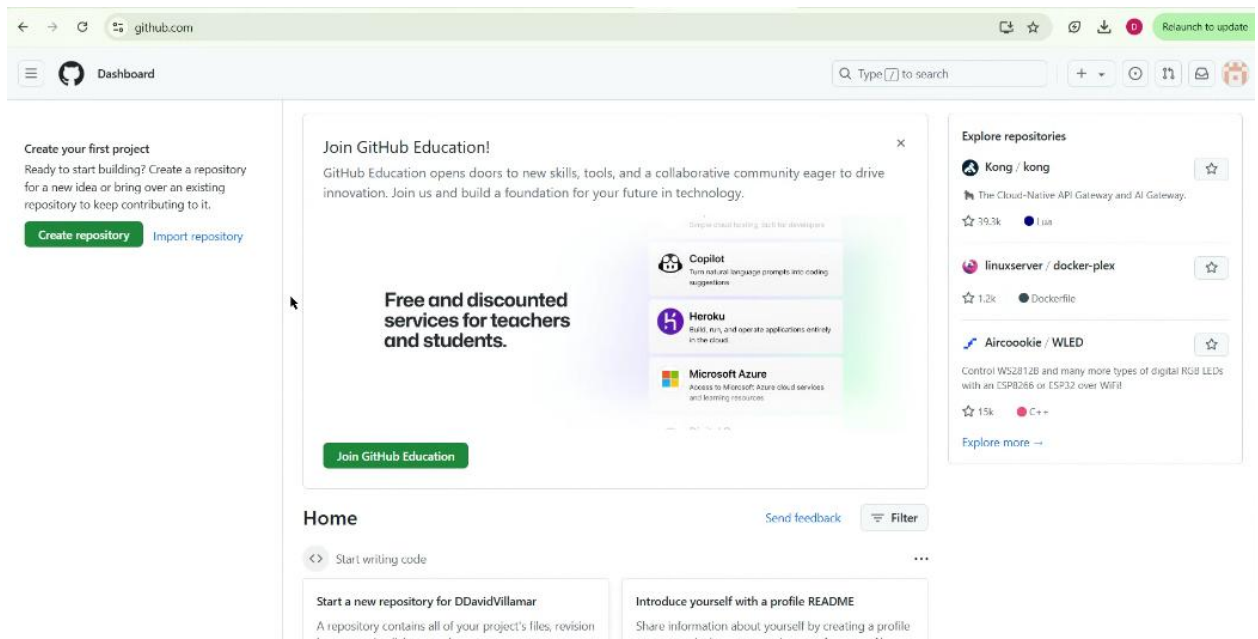
☐ 10-20 ☐ 20-50 ☐ 50+

Continue

Elige 2 opciones



Elige el plan Free y se abre su nueva página de GitHub

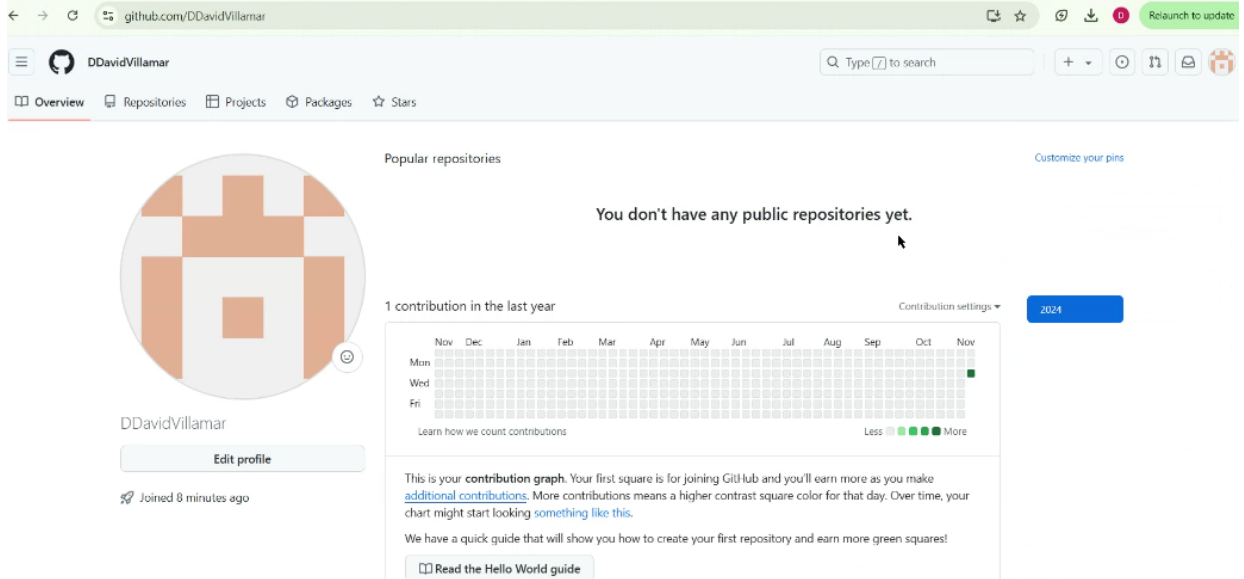


Dar click en el ícono del lado derecho para poder abrir tu perfil



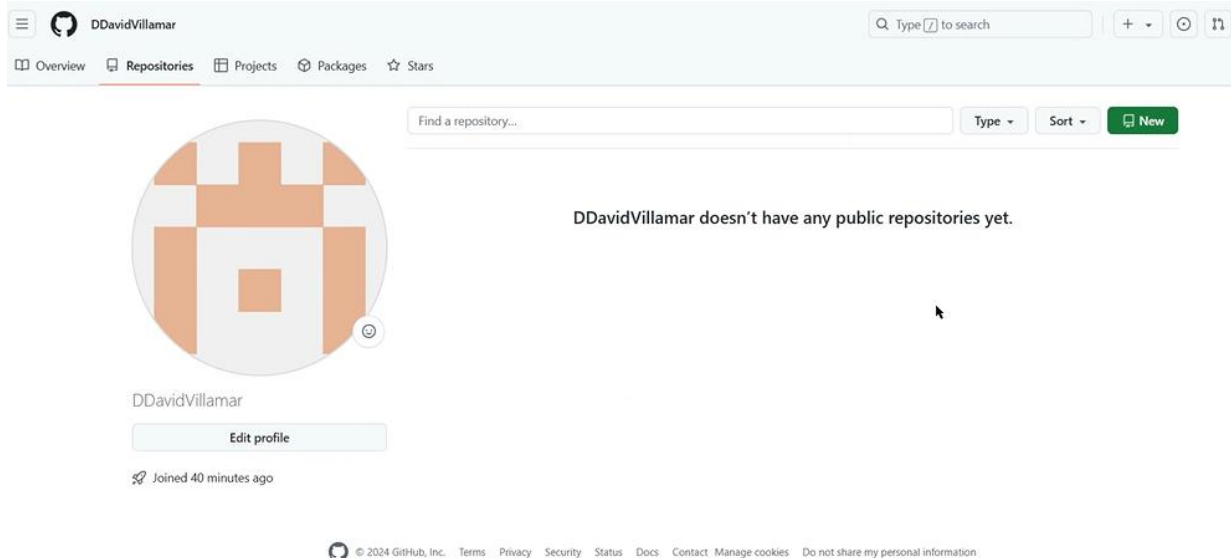


Aquí en Overview puedes personalizar poner una foto y alguna descripción y ver las contribuciones que has hecho el primer cuadrado verde es la fecha de creación de tu GitHub

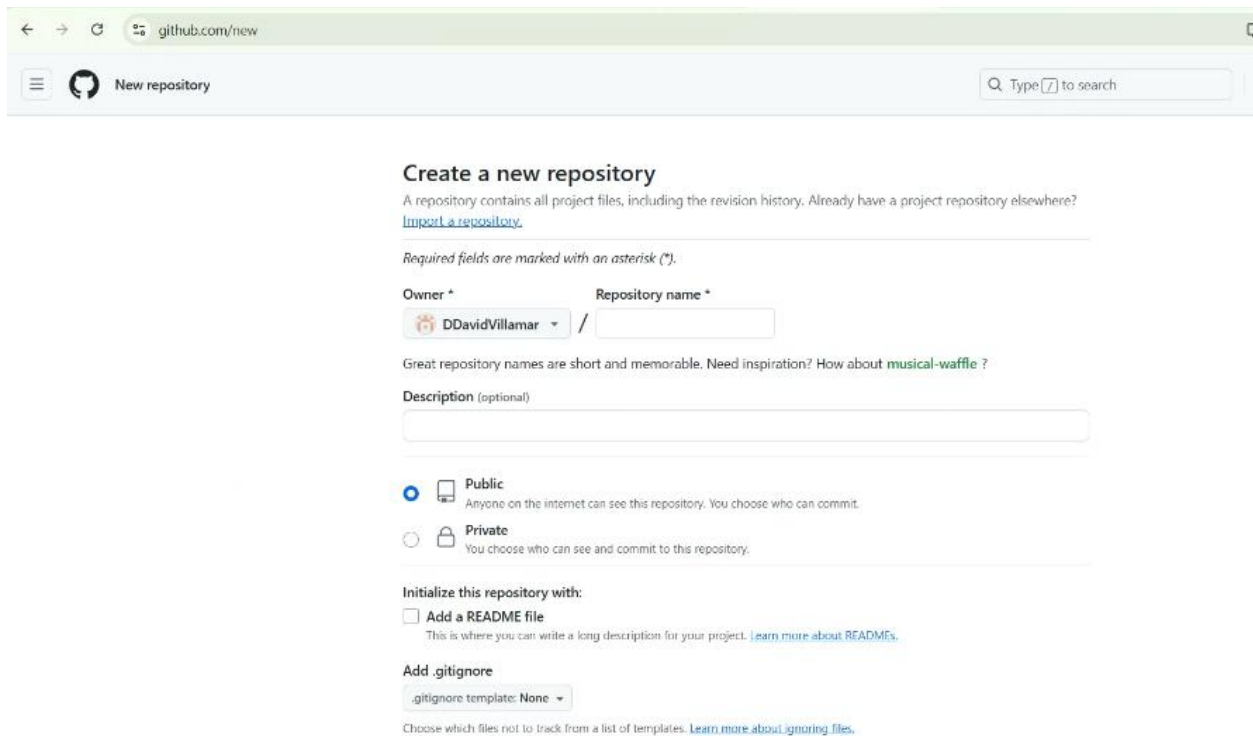


4. Crear un nuevo repositorio

Click en la pestaña repositorios. Luego en el botón verde de la parte superior izquierda dar click en New



Se abre la página para crear un nuevo repositorio



The screenshot shows the GitHub 'Create a new repository' page. At the top, there's a navigation bar with the GitHub logo and 'New repository' text. Below this, the main heading is 'Create a new repository'. A subtext explains that a repository contains all project files and revision history, with a link to 'Import a repository'. A note states 'Required fields are marked with an asterisk (*)'. The form has two required fields: 'Owner' (set to 'DDavidVillamar') and 'Repository name' (an empty text box). Below these, a tip suggests repository names should be short and memorable, with an example 'musical-waffle'. There's an optional 'Description' text box. The 'Visibility' section has two radio buttons: 'Public' (selected) and 'Private'. The 'Initialize this repository with:' section has a checkbox for 'Add a README file' and a dropdown for '.gitignore template' (set to 'None').

Se debe poner un nombre al repositorio preferible en minúsculas y sin caracteres especiales, sin espacios, elegir público (para que otros usuarios puedan ver) o privado (si solo usuarios con permiso pueden ver el repositorio).

En resumen para crear un repositorio en GitHub:

- Inicia sesión en tu cuenta de GitHub.
- Haz clic en el botón "New" o "Nuevo repositorio".
- En "Repository name", escribe el nombre del repositorio por ejemplo "mate".
- Añade una descripción si lo deseas.
- Selecciona la visibilidad del repositorio: Público o Privado.
- No marques las opciones para inicializar el repositorio con un README, .gitignore o licencia, ya que ya tienes archivos en tu carpeta local.
- Haz clic en "Create repository".

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Required fields are marked with an asterisk (*).

Owner * DDavidVillamar / Repository name * mate
mate is available.

Great repository names are short and memorable. Need inspiration? How about [reimagined-eureka](#) ?

Description (optional)

- ☒  **Public**
Anyone on the internet can see this repository. You choose who can commit.
- ☐  **Private**
You choose who can see and commit to this repository.

Initialize this repository with:

- ☐ **Add a README file**
This is where you can write a long description for your project. [Learn more about READMEs.](#)

Add .gitignore

.gitignore template: None

Dar clic en Crear repositorio al final en el ícono verde

Choose a license

License: None

A license tells others what they can and can't do with your code. [Learn more about licenses.](#)

This will set **main** as the default branch. Change the default name in your [settings](#).

 You are creating a public repository in your personal account.

Create repository

Está creado tu repositorio

github.com/DDavidVillamar/mate

DDavidVillamar / mate

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

mate Public

main 1 Branch 0 Tags

Go to file Add file Code

DDavidVillamar Initial commit ca8899c · now 1 Commit

README.md Initial commit now

README

mate

About

No description, website, or topics provided.

Readme Activity 0 stars 1 watching 0 forks

Releases

No releases published [Create a new release](#)

Packages

No packages published [Publish your first package](#)

Quick setup — if you've done this kind of thing before

Set up in Desktop or HTTPS SSH <https://github.com/DDavidVillamar/mate.git>

Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

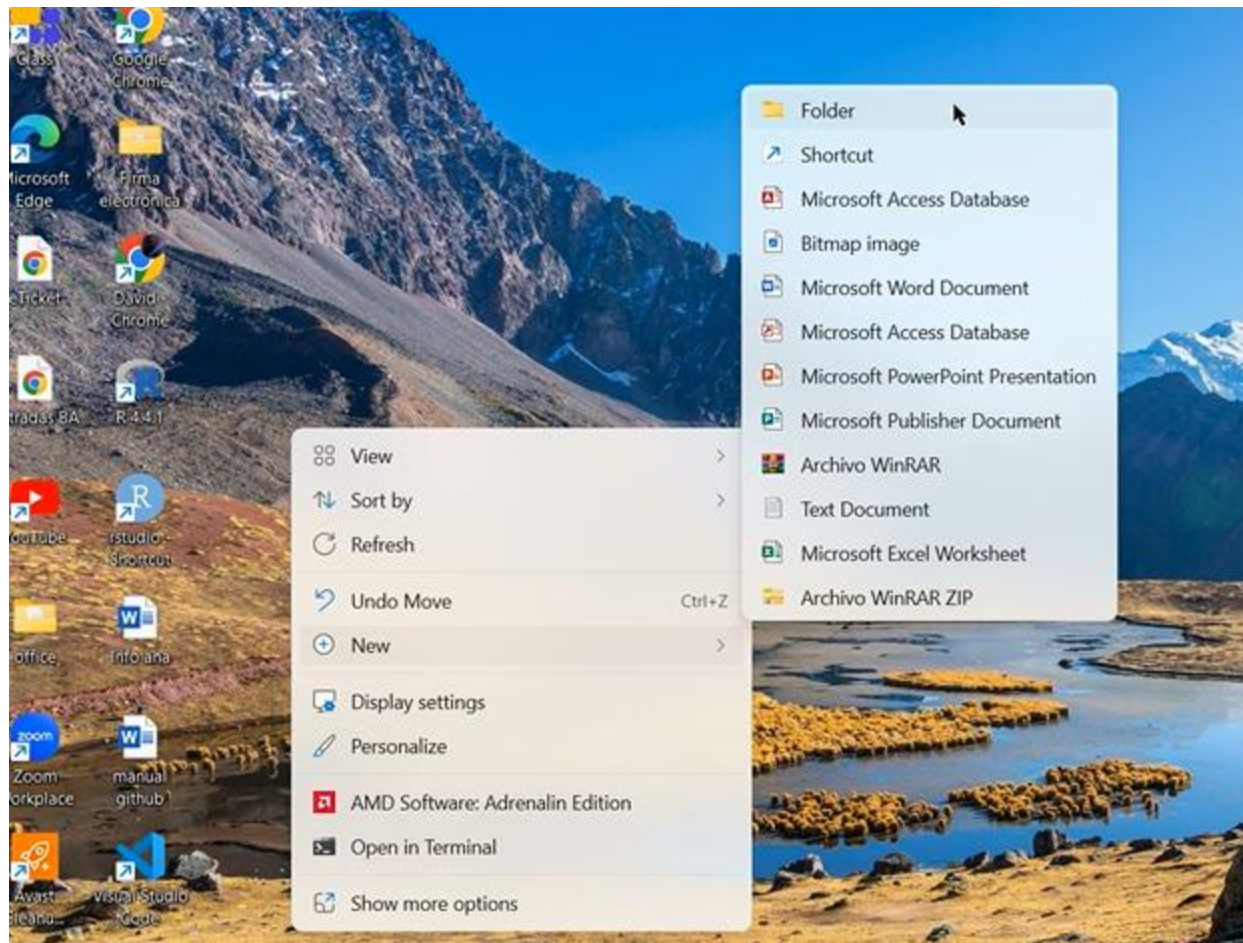
...or create a new repository on the command line

```
echo "# mate" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/DDavidVillamar/mate.git
git push -u origin main
```

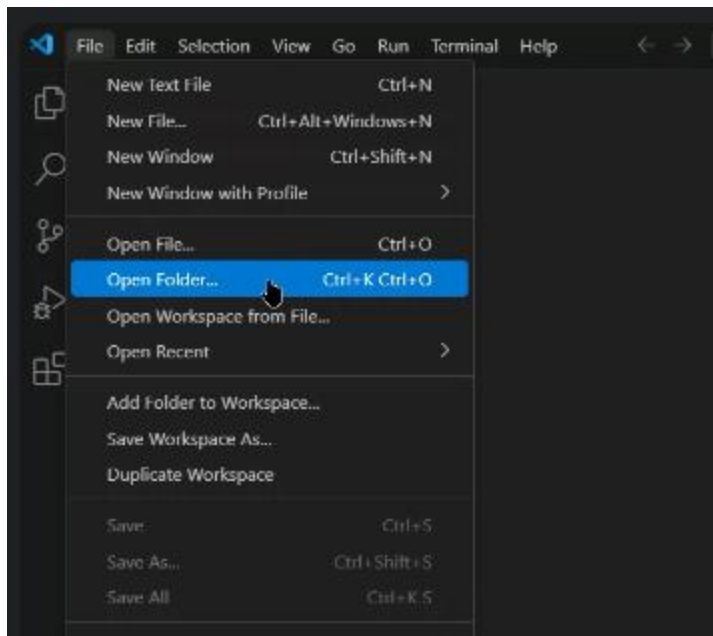
...or push an existing repository from the command line

```
git remote add origin https://github.com/DDavidVillamar/mate.git
git branch -M main
git push -u origin main
```

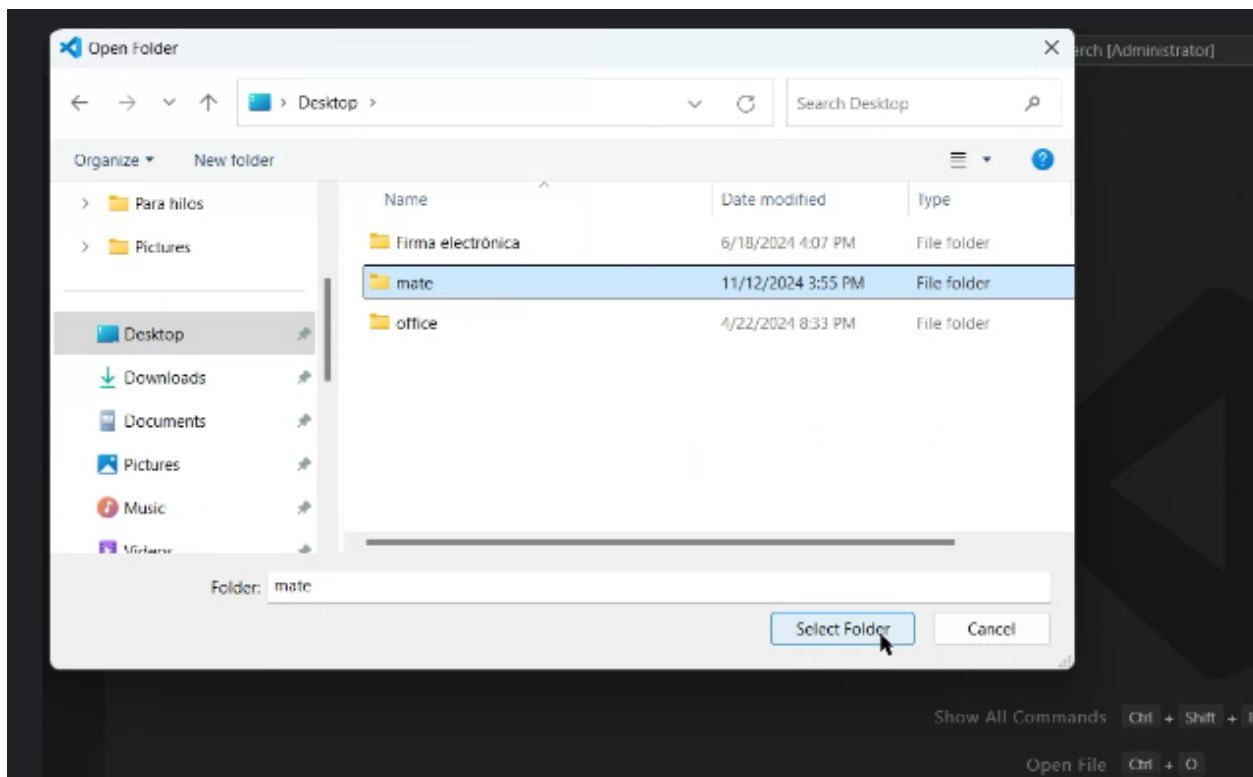
5. Crear un directorio de trabajo en tu PC local, por ejemplo, en el escritorio o en algún directorio de tu computadora



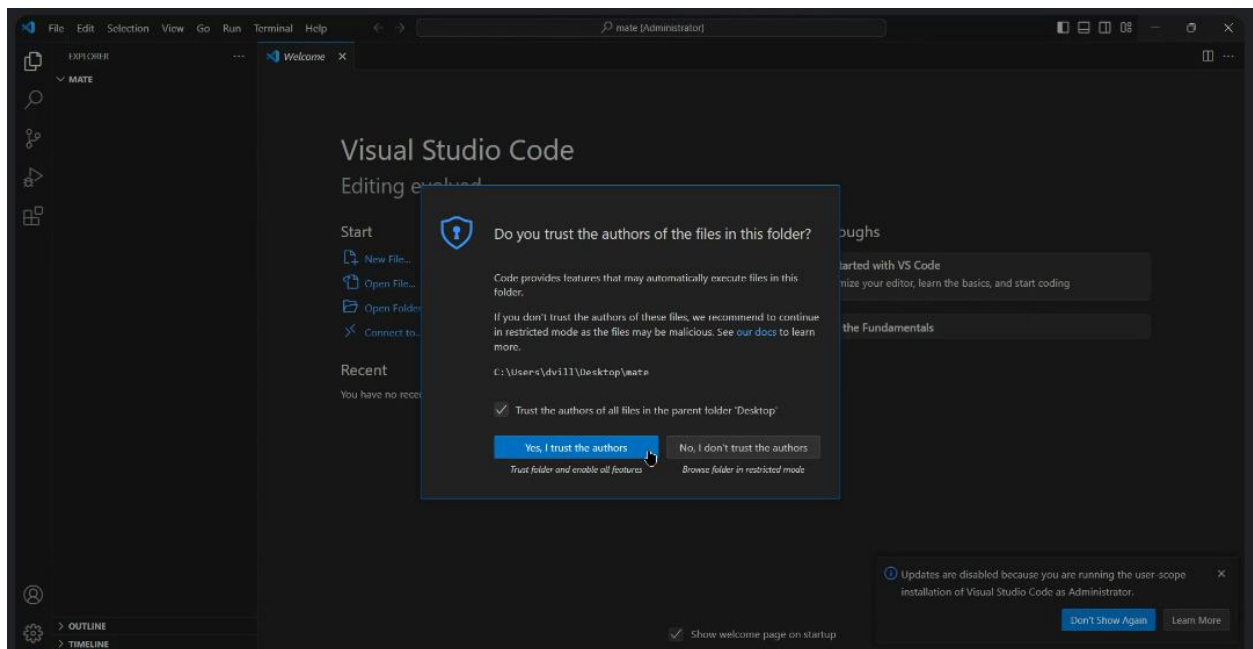
Abrir desde VSC el directorio creado



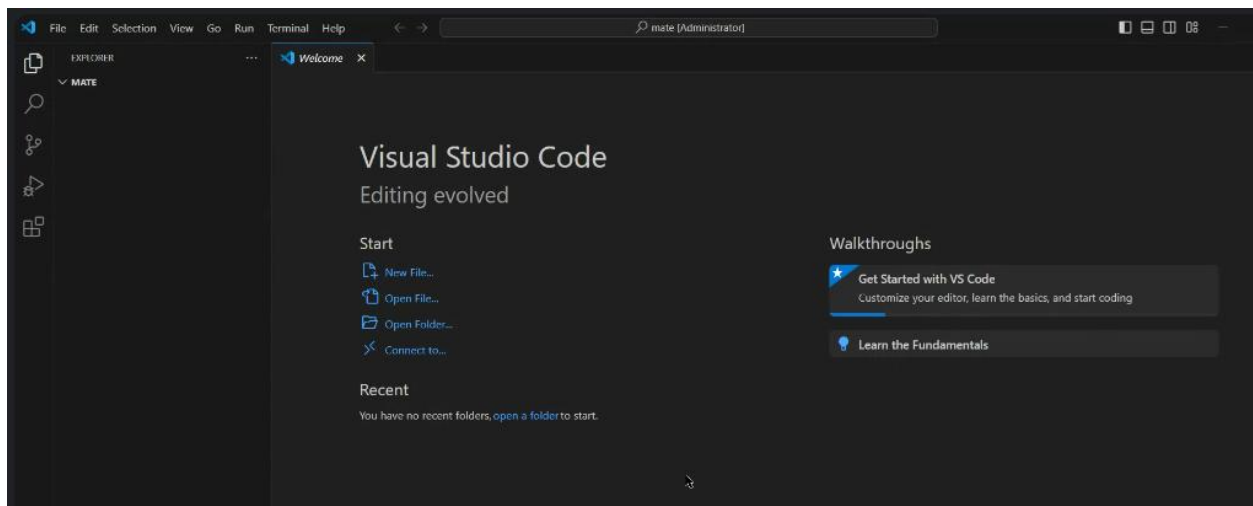
Seleccionas el Folder donde vamos a trabajar



Poner las opciones de confiar en los autores



Ya estás en el directorio de trabajo creado



Verificar que tener instalado Python y Anaconda Y también que se haya creado el entorno para trabajar

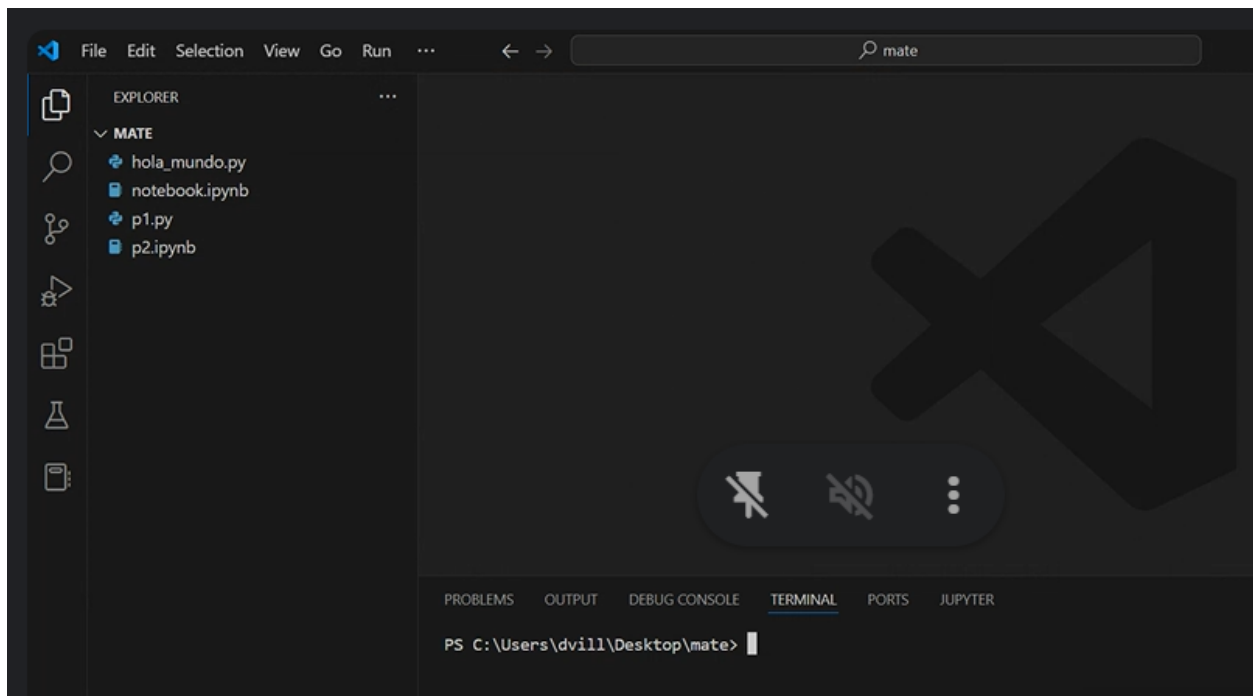
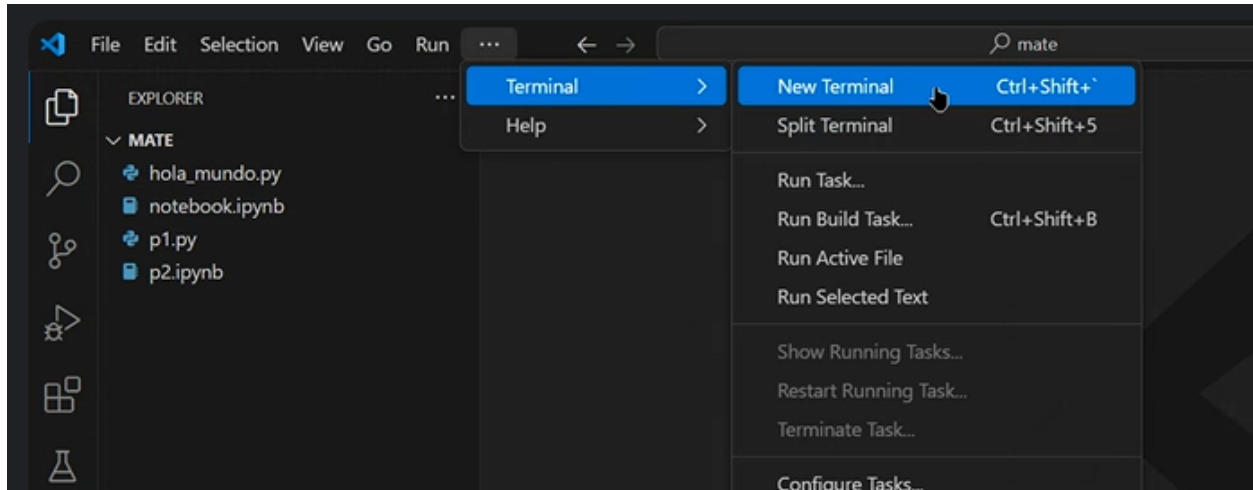
(Ver guía 1)

<https://www.python.org/downloads/>

<https://anaconda.org/>

1. Subir archivos de tu directorio local a tu repositorio en GitHub

En VSC abre una nueva terminal



Inicializar el repositorio local

- Navega hasta la carpeta de tu proyecto en la terminal.
- Ejecuta el siguiente comando para inicializar un repositorio Git en esa carpeta:

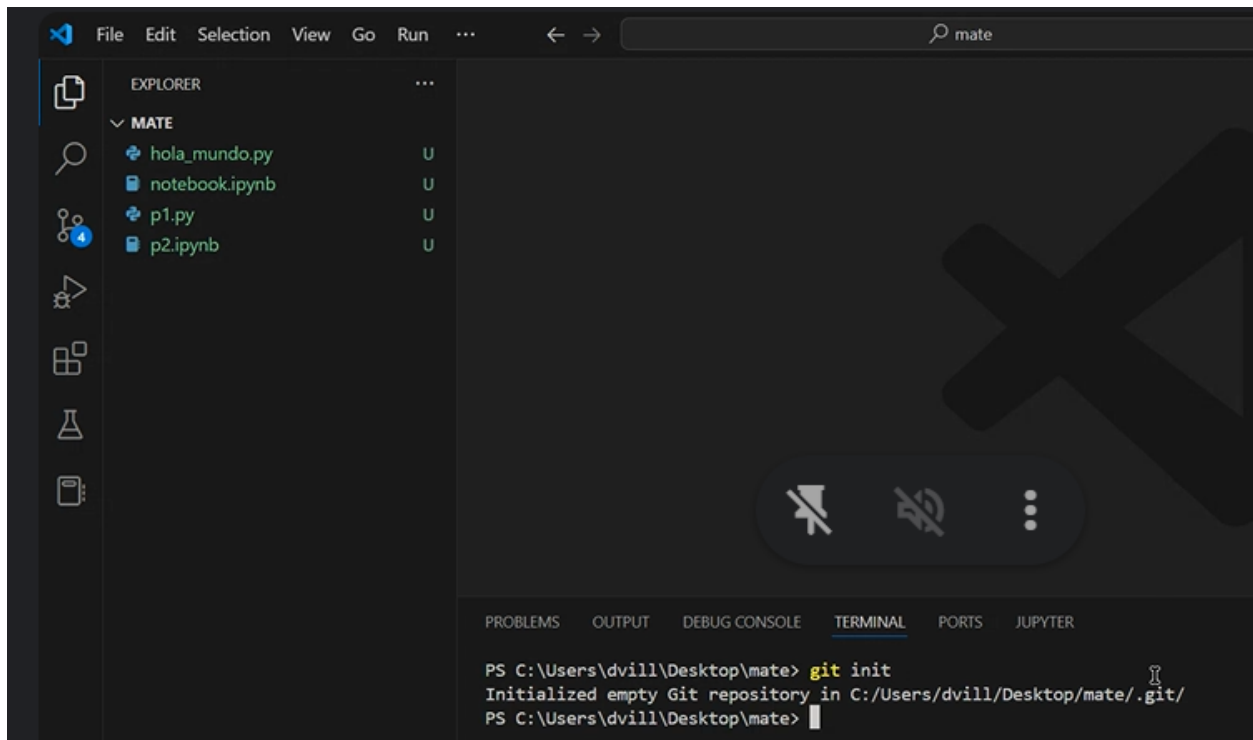
`git init`

Inicializar el repositorio local con

`git init`

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS  JUPYTER

PS C:\Users\dvill\Desktop\mate> git init
```

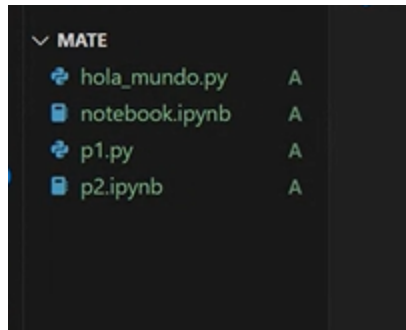


Agregar archivos al repositorio

- Puedes agregar archivos individuales usando el comando `git add nombre_archivo`.
- Para agregar todos los archivos modificados, utiliza el comando:

`git add .`

```
add
PS C:\Users\dvill\Desktop\mate> git add .
```

Vamos a configurar el repositorio en la terminal

```
echo "# mate" >> README.md
```

```
git init
```

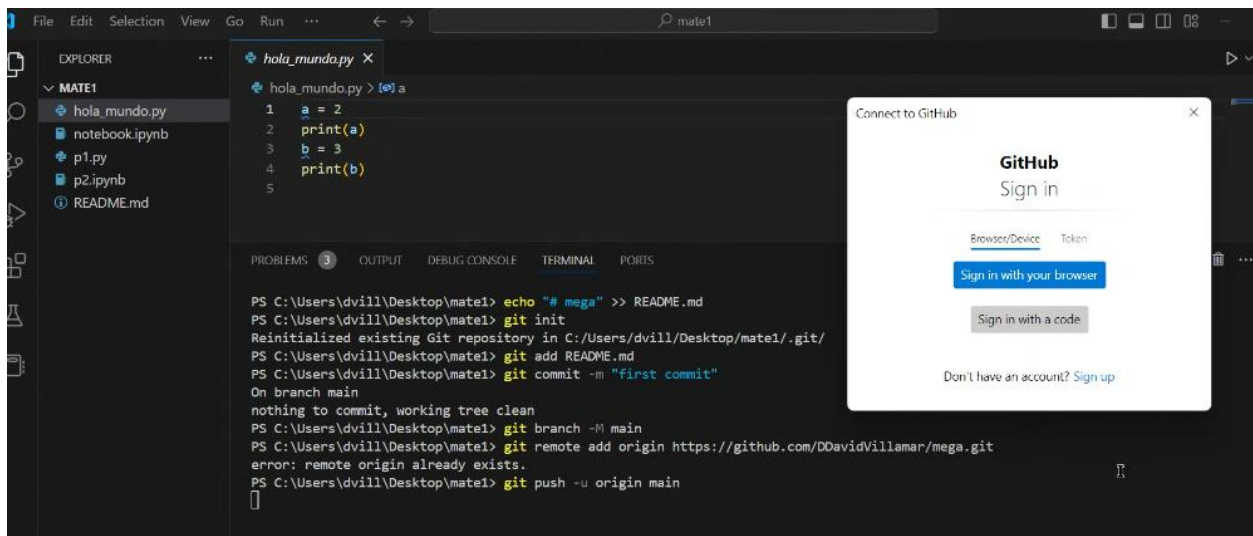
```
git add README.md
```

```
git commit -m "first commit"
```

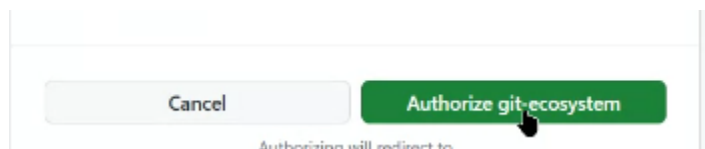
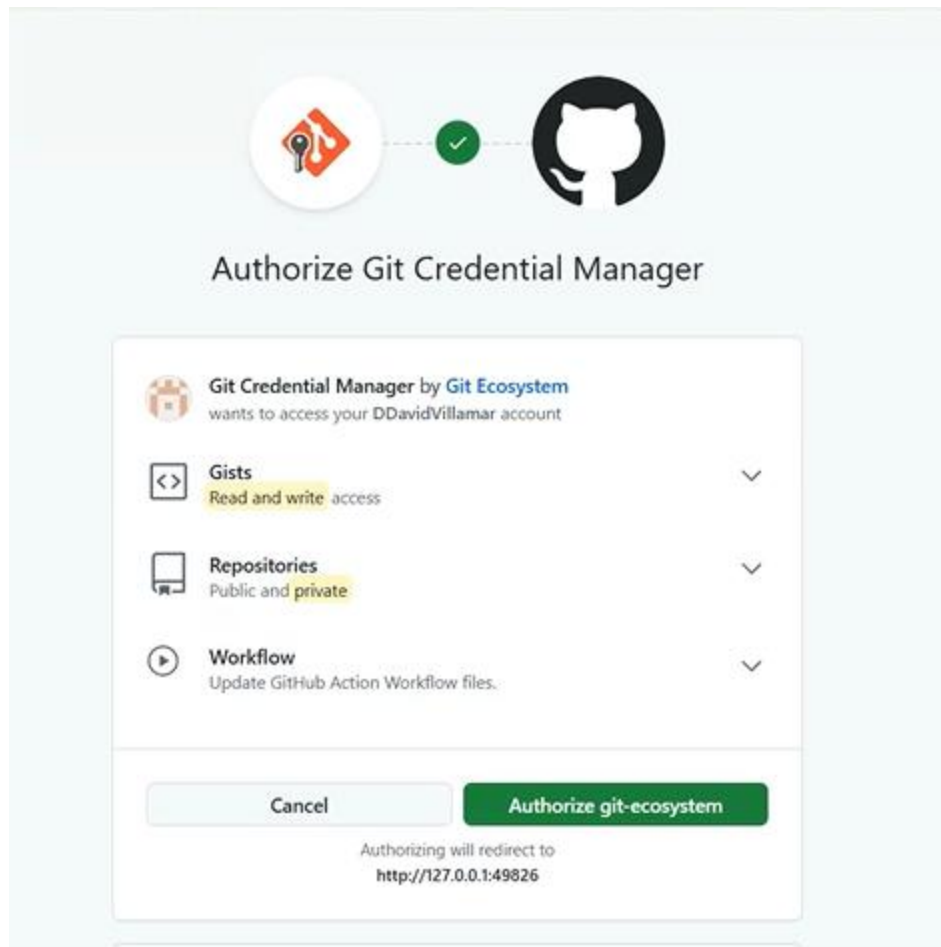
```
git branch -M main
```

```
git remote add origin https://github.com/DDavidVillamar/mate.git
```

```
git push -u origin main
```

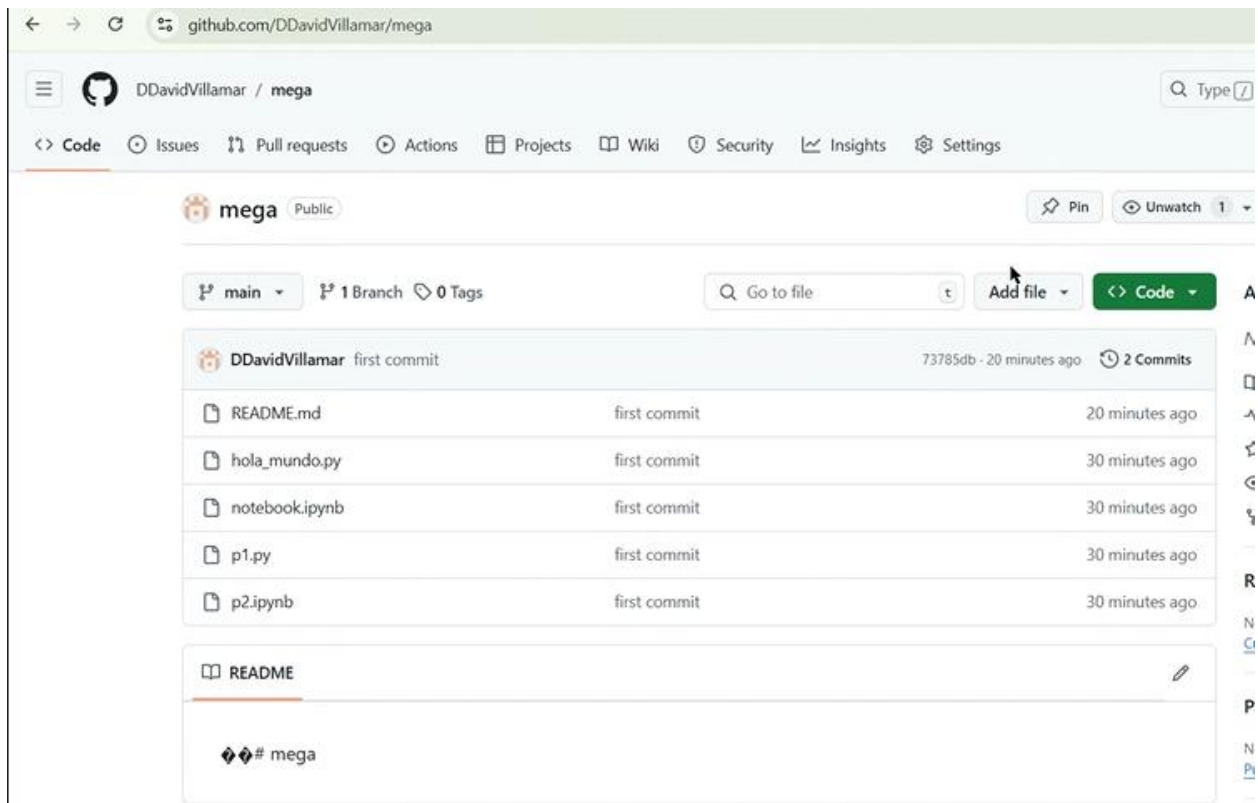


Te tienes que autenticar con tu clave de GitHub



Dar click en Authorize y poner credenciales de GitHub.

Ahora los archivos están respaldados en tu página de GitHub



Otros comandos útiles para GitHub en terminal

Verificar el remoto en el que me encuentro

git remote -v

Eliminar un remoto existente y agregar uno nuevo

Eliminar el remoto actual

git remote remove origin

Agregar el nuevo remoto

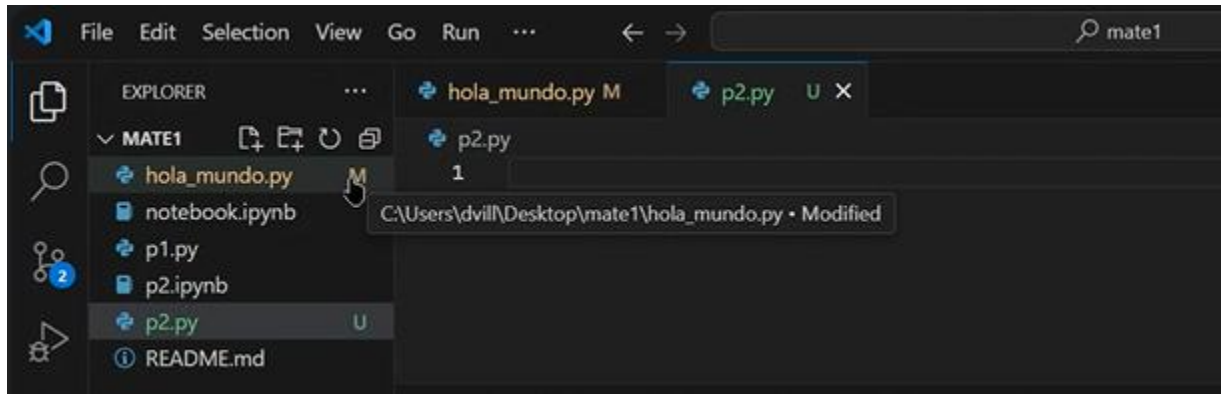
git remote add origin https://github.com/DDavidVillamar/mega.git

Modificar la URL del remoto existente

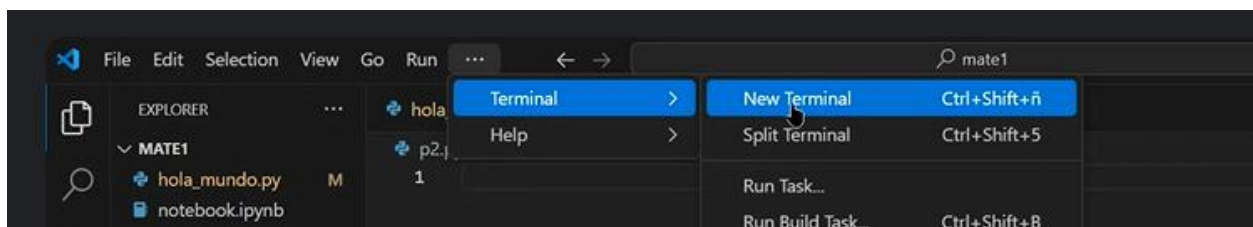
Cambiar la URL del remoto existente

git remote set-url origin https://github.com/DDavidVillamar/mega.git

Si quieres subir cambios realizados en tu archivo local los puedes volver a cargar en GitHub



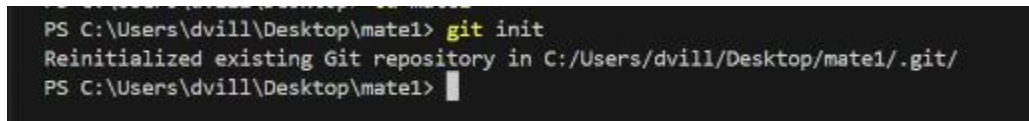
Abrir una nueva terminal



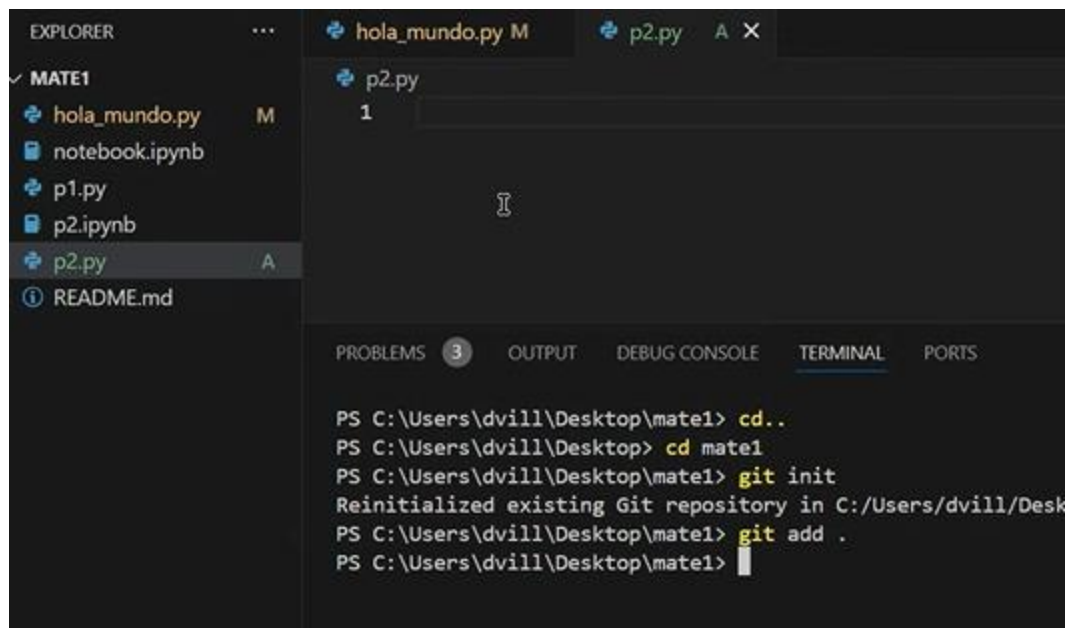
Ubicarse en el directorio adecuado con el comando cd (cd..)



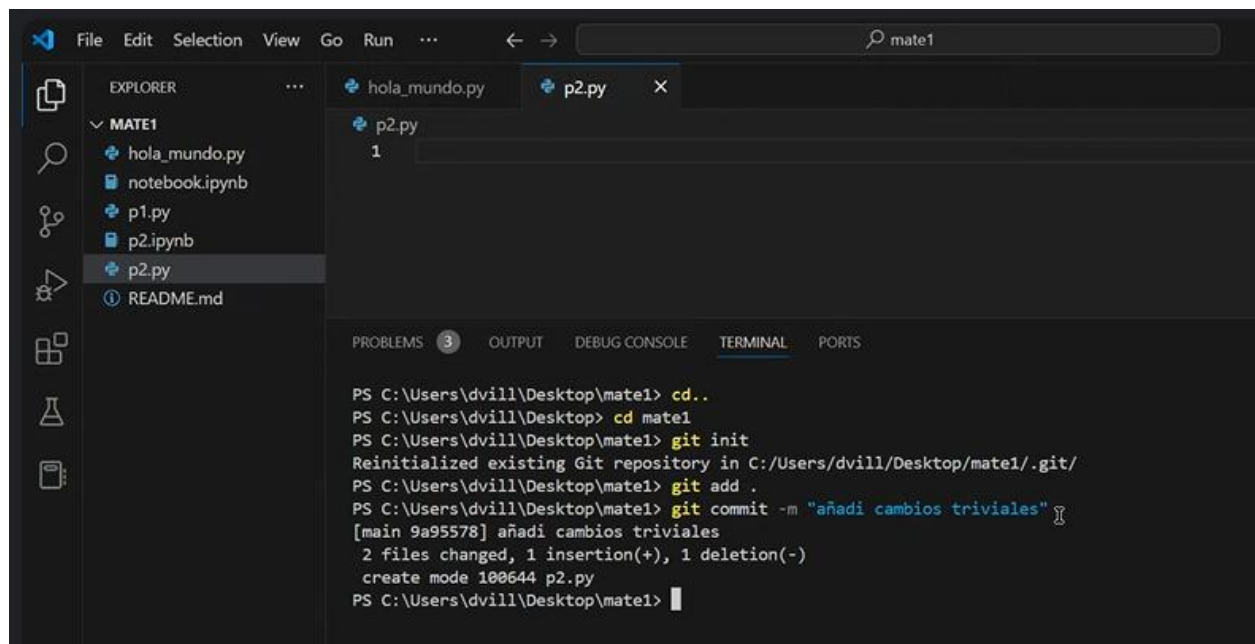
git init



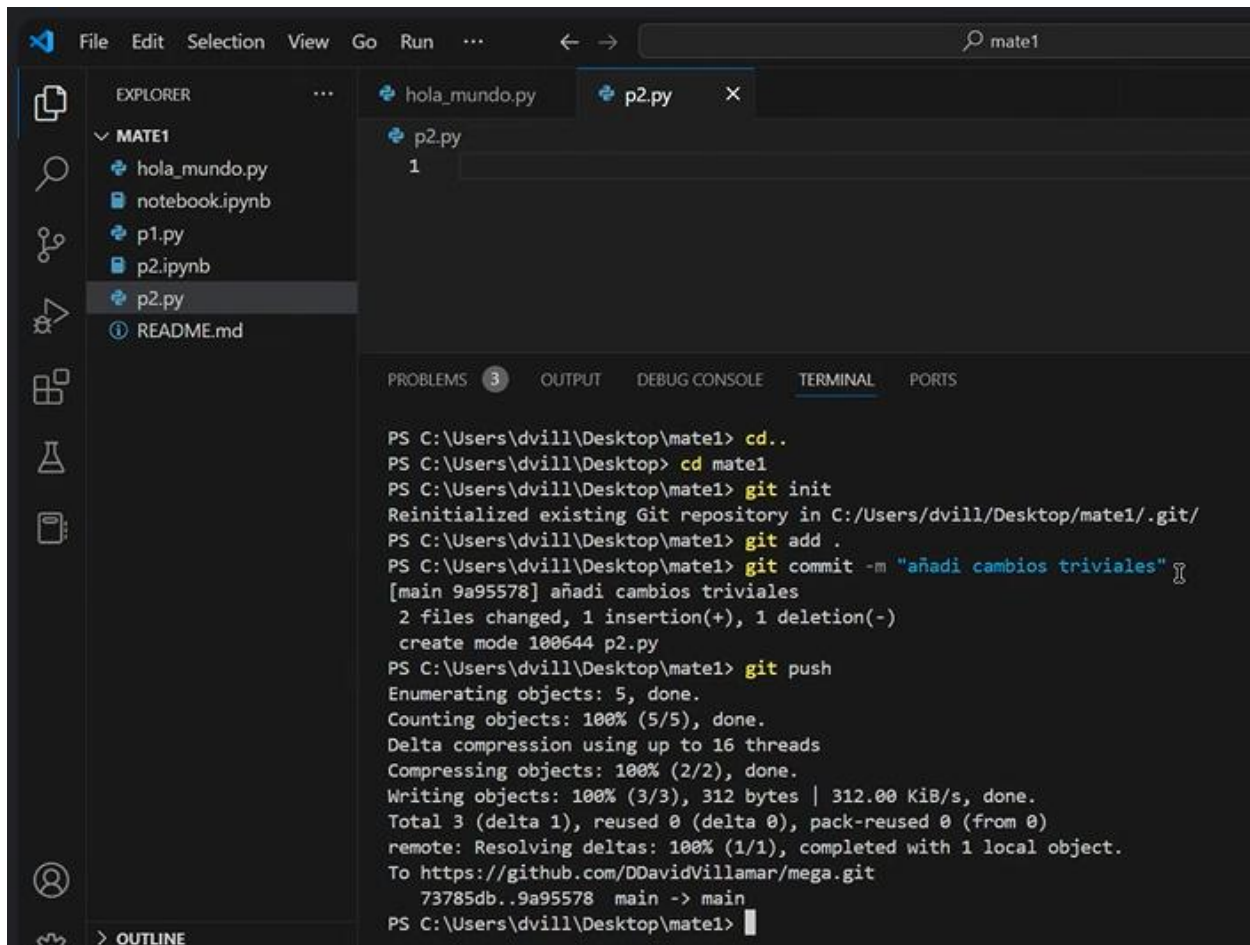
git add .



git commit -m "añadí cambios triviales"



git push



The screenshot shows the Visual Studio Code interface. The Explorer view on the left shows a project named 'MATE1' with files: 'hola_mundo.py', 'notebook.ipynb', 'p1.py', 'p2.ipynb', 'p2.py', and 'README.md'. The 'p2.py' file is selected. The main editor area shows the content of 'p2.py', which contains a single line: '1'. The bottom panel shows the 'TERMINAL' tab with the following output:

```
PS C:\Users\dvill\Desktop\mate1> cd..  
PS C:\Users\dvill\Desktop> cd mate1  
PS C:\Users\dvill\Desktop\mate1> git init  
Reinitialized existing Git repository in C:/Users/dvill/Desktop/mate1/.git/  
PS C:\Users\dvill\Desktop\mate1> git add .  
PS C:\Users\dvill\Desktop\mate1> git commit -m "añadi cambios triviales"  
[main 9a95578] añadi cambios triviales  
 2 files changed, 1 insertion(+), 1 deletion(-)  
  create mode 100644 p2.py  
PS C:\Users\dvill\Desktop\mate1> git push  
Enumerating objects: 5, done.  
Counting objects: 100% (5/5), done.  
Delta compression using up to 16 threads  
Compressing objects: 100% (2/2), done.  
Writing objects: 100% (3/3), 312 bytes | 312.00 KiB/s, done.  
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)  
remote: Resolving deltas: 100% (1/1), completed with 1 local object.  
To https://github.com/DDavidVillamar/mega.git  
 73785db..9a95578  main -> main  
PS C:\Users\dvill\Desktop\mate1>
```

Ahora puedes ver los nuevos archivos en tu GitHub

← → ↻ github.com/DDavidVillamar/mega

DDavidVillamar / mega

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings

mega Public

main 1 Branch 0 Tags

Go to file Add file Code

DDavidVillamar añadió cambios triviales 9a95578 · 4 minutes ago 3 Commits

README.md	first commit	37 minutes ago
hola_mundo.py	añadi cambios triviales	4 minutes ago
notebook.ipynb	first commit	48 minutes ago
p1.py	first commit	48 minutes ago
p2.ipynb	first commit	48 minutes ago
p2.py	añadi cambios triviales	4 minutes ago

README

mega

Hacer una copia de un repositorio de terceros

Francisco Pérez Mogollón
franperezec · he/him

Follow

algorithms Public

Jupyter Notebook 2 stars MIT License Updated on Jul 23

franperezec / algorithms

Code Issues Pull requests Actions Projects Wiki Security Insights

algorithms Public

Watch 1 Fork 0

Fork your own copy of franperezec/algorithms

main 1 Branch 0 Tags

Go to file Add file Code

About

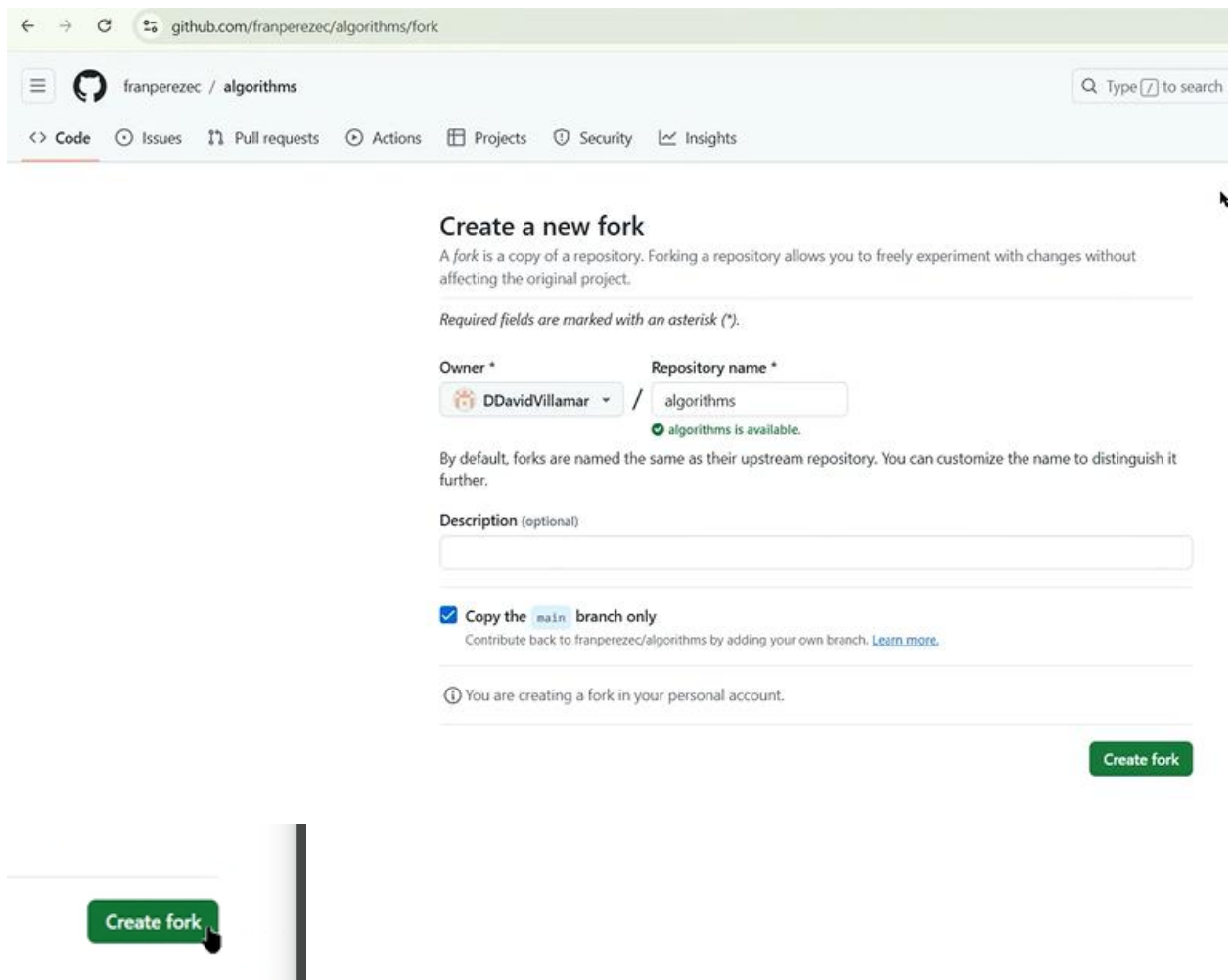
No description, website

Readme

MIT license

franperezec Update README.md 16d405f · 4 months ago 22 Commits

10EstructuraLogicaRepetitivaPara.ipynb	Se creó con Colab	4 months ago
--	-------------------	--------------



Se crea una copia del repositorio en mi perfil de GitHub

The image shows two screenshots from the GitHub website. The top screenshot displays the 'algorithms' repository page, which is a fork of 'franperezec/algorithms'. It shows the repository's main branch, a list of files (10EstructuraLogicaRepetitivaPara.ipynb, 11EstructuraLogicaRepetitivaMientrasQue.ipynb, 12EstructuraLogicaRepetitivaHagaHasta.ipynb, 13ArreglosUnidimensionalesVectores.ipynb, 14ArreglosBidimensionalesMatrices.ipynb), and a commit history. The bottom screenshot shows the user profile page for 'DDavidVillamar', featuring a profile picture, a search bar, and a section for 'Popular repositories' which includes 'mega' and 'algorithms'.

DDavidVillamar / algorithms

Public

forked from franperezec/algorithms

main 1 Branch 0 Tags

Go to file Add file Code

This branch is up to date with franperezec/algorithms:main

Contribute Sync fork

franperezec Update README.md 16d405f · 4 months ago 22 Commits

10EstructuraLogicaRepetitivaPara.ipynb Se creó con Colab 4 months ago

11EstructuraLogicaRepetitivaMientrasQue.ipynb Se creó con Colab 4 months ago

12EstructuraLogicaRepetitivaHagaHasta.ipynb Se creó con Colab 4 months ago

13ArreglosUnidimensionalesVectores.ipynb Se creó con Colab 4 months ago

14ArreglosBidimensionalesMatrices.ipynb Se creó con Colab 4 months ago

github.com/DDavidVillamar

DDavidVillamar

Overview Repositories 2 Projects Packages Stars 1

Popular repositories

Customize your pins

mega Public

Jupyter Notebook

algorithms Public

Forked from franperezec/algorithms

Jupyter Notebook

7 contributions in the last year

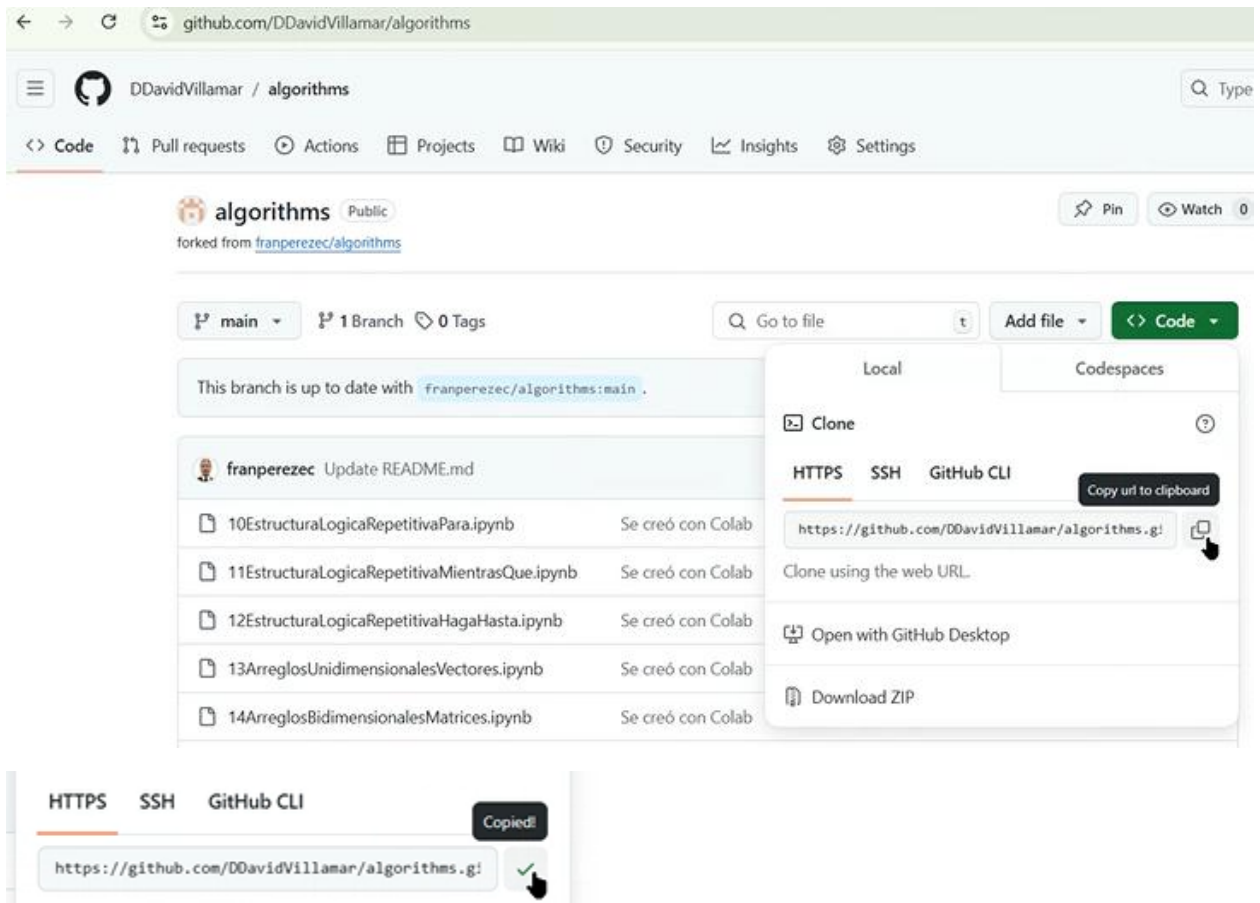
Contribution settings

2024

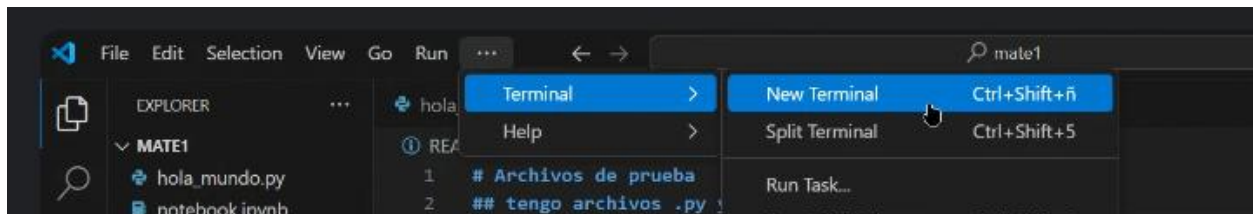
Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov

Pasos para clonar y trabajar con un repositorio del que has hecho Fork

Primero, ve a tu GitHub y copia la URL del repositorio fork (el que está en tu cuenta). El botón "Code" te dará la URL.



Abre la terminal en la carpeta donde quieres tener el proyecto y ejecuta:



Primero creas la carpeta

mkdir algoritmos

```
① README.md > # Archivos de prueba > ## tengo archivos .py y .ipynb
1  # Archivos de prueba
2  ## tengo archivos .py y .ipynb
3
4

PROBLEMS 3 OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\dvill\Desktop\mate1>

PS C:\Users\dvill\Desktop\mate1>
PS C:\Users\dvill\Desktop\mate1>
PS C:\Users\dvill\Desktop\mate1>
PS C:\Users\dvill\Desktop\mate1> mkdir algoritmos

Directory: C:\Users\dvill\Desktop\mate1

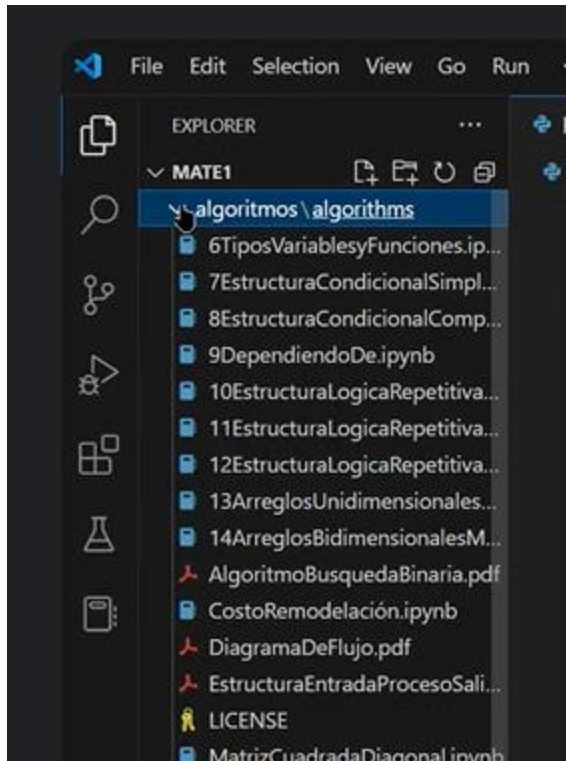
Mode                LastWriteTime         Length Name
----                -
d-----            11/16/2024   4:26 PM             algoritmos
```

Entrás a ella `cd algoritmos`

Y aquí ya puedes clonar tu repositorio

git clone <https://github.com/tu-usuario/tu-repositorio.git>

```
PS C:\Users\dvill\Desktop\mate1\algoritmos> git clone https://github.com/DDavidVillamar/algorithms.git
Cloning into 'algorithms'...
remote: Enumerating objects: 67, done.
remote: Counting objects: 100% (67/67), done.
remote: Compressing objects: 100% (66/66), done.
remote: Total 67 (delta 42), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (67/67), 1.77 MiB | 1.81 MiB/s, done.
Resolving deltas: 100% (42/42), done.
PS C:\Users\dvill\Desktop\mate1\algoritmos>
```



Comandos útiles para terminal

Ver en qué carpeta estás actualmente

pwd

Ver el contenido de la carpeta actual

dir # (en Windows)

ls # (en Linux/Mac)

Regresar a la carpeta anterior

cd ..

Ir a una ruta específica

cd C:\Users\nombre-usuario\Desktop\nombre-carpeta

Crear varias carpetas anidadas de una vez

mkdir carpeta1/carpeta2/carpeta3

eliminar una carpeta

En Windows

rmdir nombre-carpeta # (si está vacía)

`rmdir /s nombre-carpeta # (si tiene contenido)`

`# En Linux/Mac`

`rm -r nombre-carpeta`