

# WEEK 2 SOLUTION.

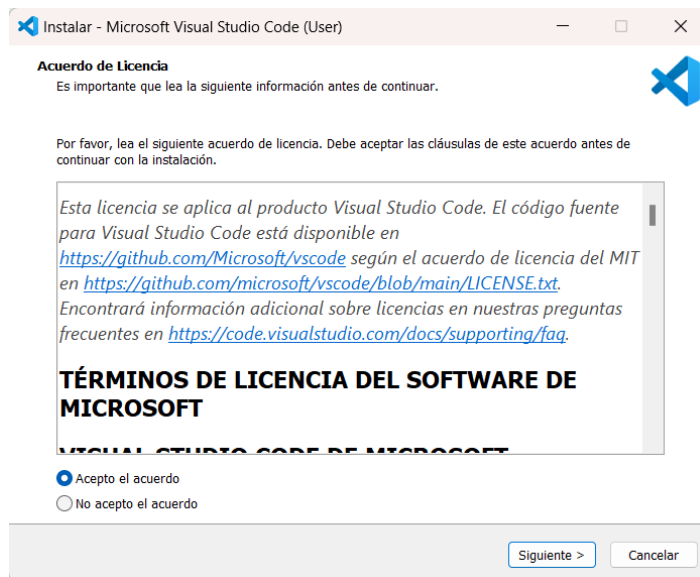
Student: Emanuel Nguema Oyono Avoro

**1. Select Your Operating System (OS):** Choose an operating system that best suits your preferences and project requirements. Download and Install Windows 11. <https://www.microsoft.com/software-download/windows11>

In my case I will use Windows 10.

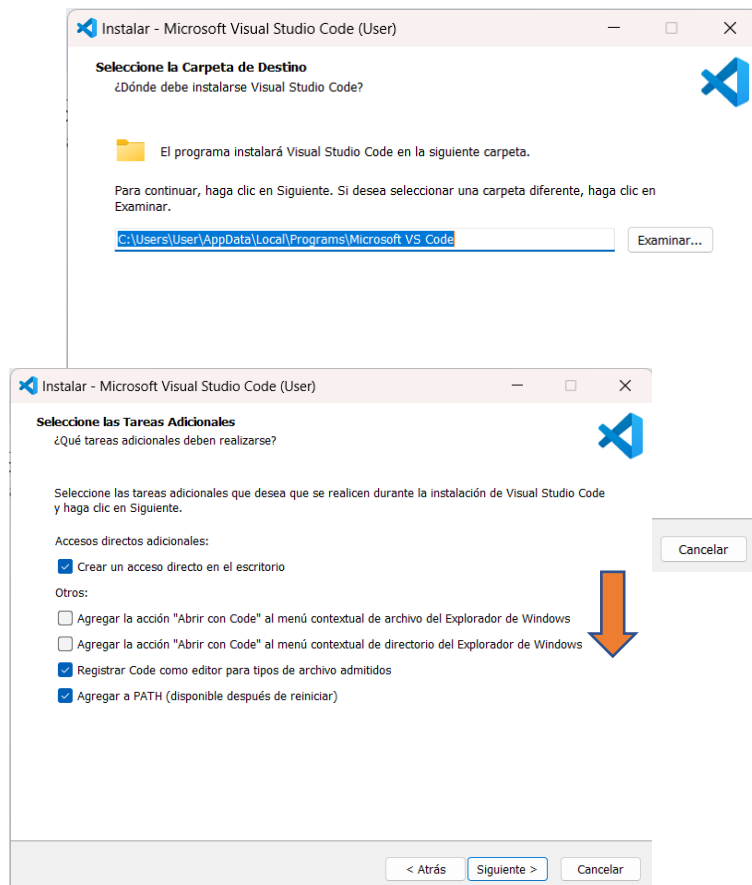
**2. Install a Text Editor or Integrated Development Environment (IDE):** Select and install a text editor or IDE suitable for your programming languages and workflow. Download and Install Visual Studio Code. <https://code.visualstudio.com/Download>

To install VSCode code, we go to the link provided in this task for download. After downloading we proceed with the installation as indicated in the official documentation:

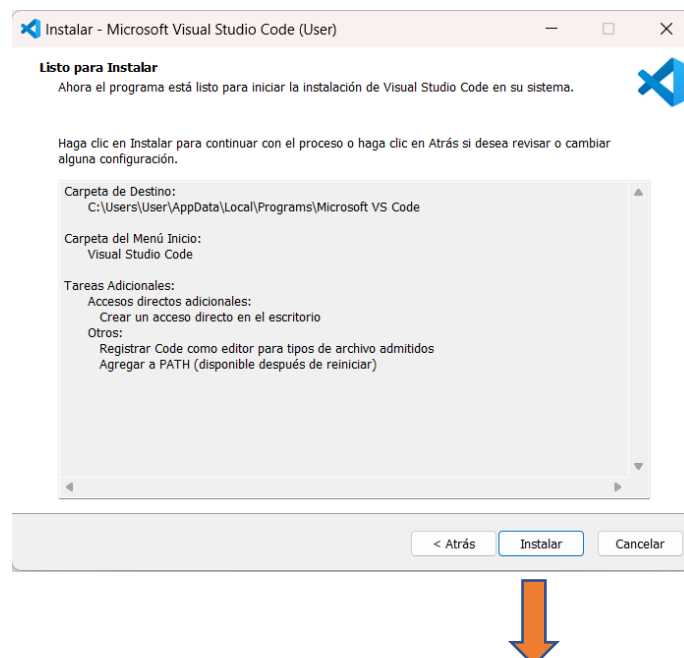


We double click on the installer and accept the license agreement.

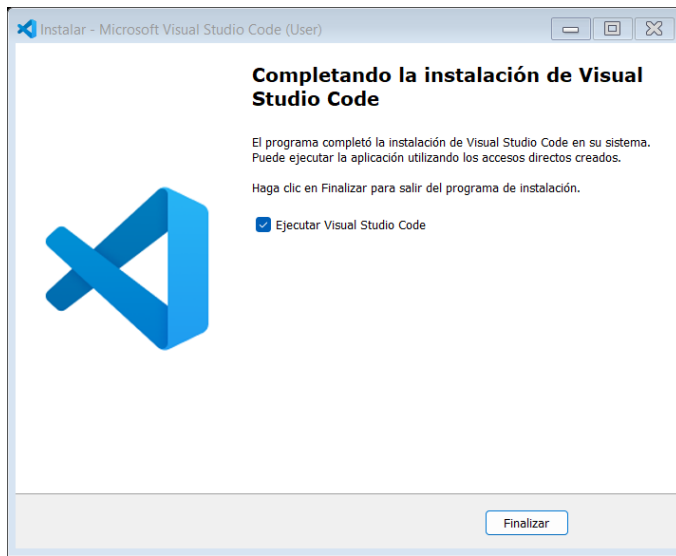




We indicate the installation destination folder. In our case it will be the one that comes by default and we give the following.

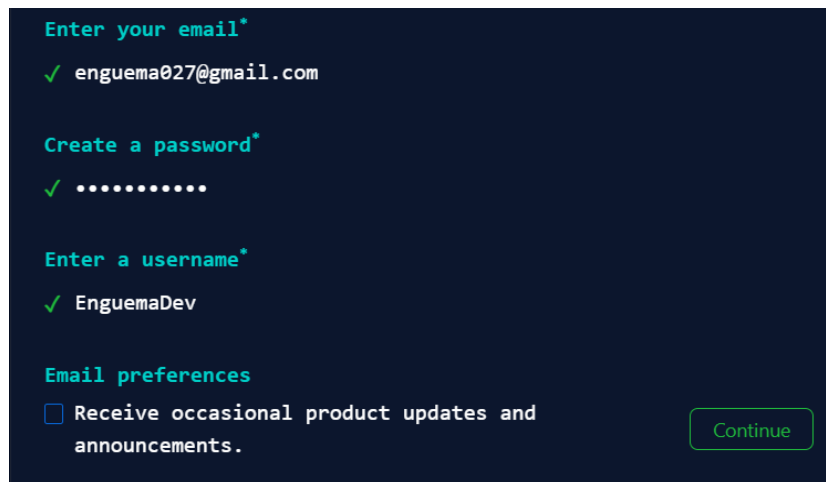


At the end of everything, it will show us a summary of the installation options that we have selected and we click install.



We finish with the installation.

3. Set Up Version Control System: Install Git and configure it on your local machine. Create a GitHub account for hosting your repositories. Initialize a Git repository for your project and make your first commit. <https://github.com>



Enter your email\*

✓ enguema027@gmail.com

Create a password\*

✓ .....

Enter a username\*

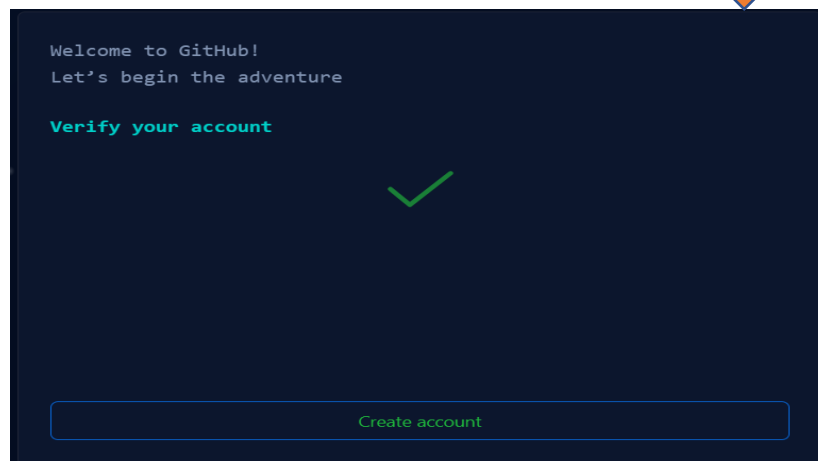
✓ EnguemaDev

Email preferences

☐ Receive occasional product updates and announcements.

Continue

We will start by creating an account on github. To do this, we access the link provided, go to the register tab and fill out the registration form as requested.



Welcome to GitHub!  
Let's begin the adventure

Verify your account

✓

Create account



## Sign in to GitHub

Your account was created successfully. Please sign in to continue

Username or email address

EnguemaDev

Password

[Forgot password?](#)

.....


Sign in

[Sign in with a passkey](#)

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

After successfully completing the account creation process, we finally access my new Github account.





EnguemaDev

Joined 14 minutes ago

[Edit profile](#)

Find a repository...

Type ▾ Sort ▾ [New](#)

EnguemaDev doesn't have any public repositories yet.

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I proceed with the creation of my first 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 *   | Repository name *         |
|  EnguemaDev ▾                          | / PLP-My-First-Repository |
|  PLP-My-First-Repository is available. |                           |

Great repository names are short and memorable. Need inspiration? How about **urban-computing-machine** ?

Description (optional)

Mi repositorio para PLP Academy

- ☒  **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.](#)

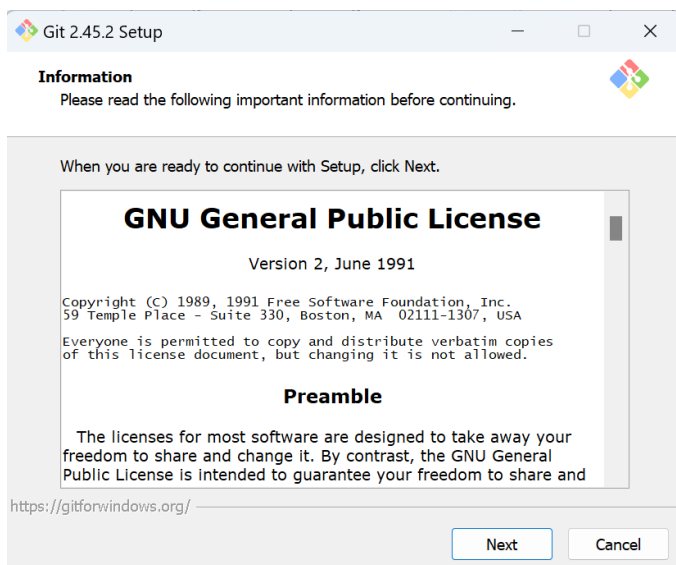
Add .gitignore

.gitignore template: None ▾

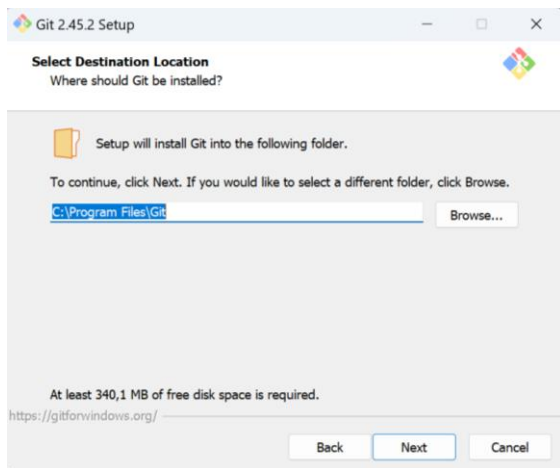
Choose which files not to track from a list of templates. [Learn more about ignoring files.](#)

Choose a license

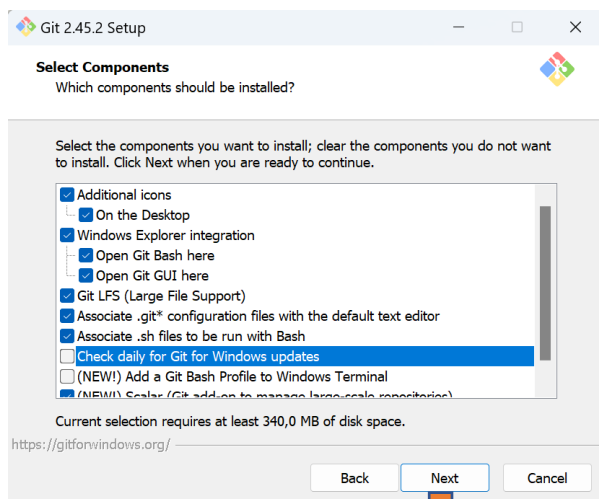
Next we proceed with the installation of Git.



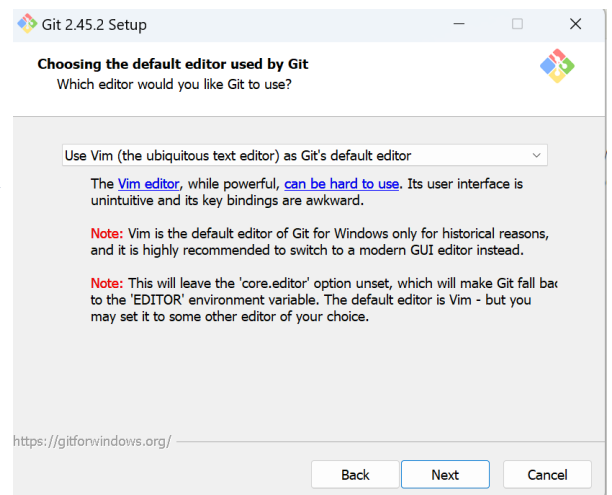
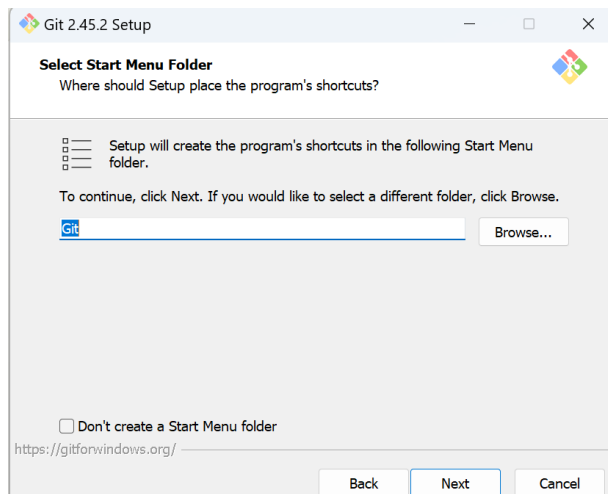
To do this, we double click on the downloaded installer.

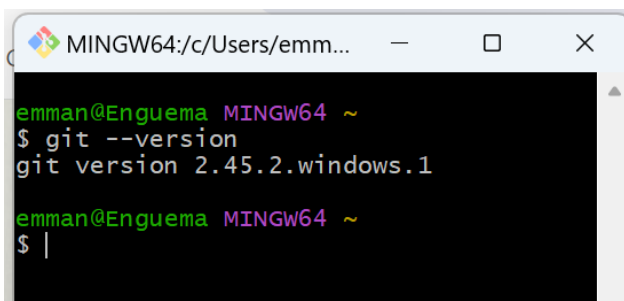
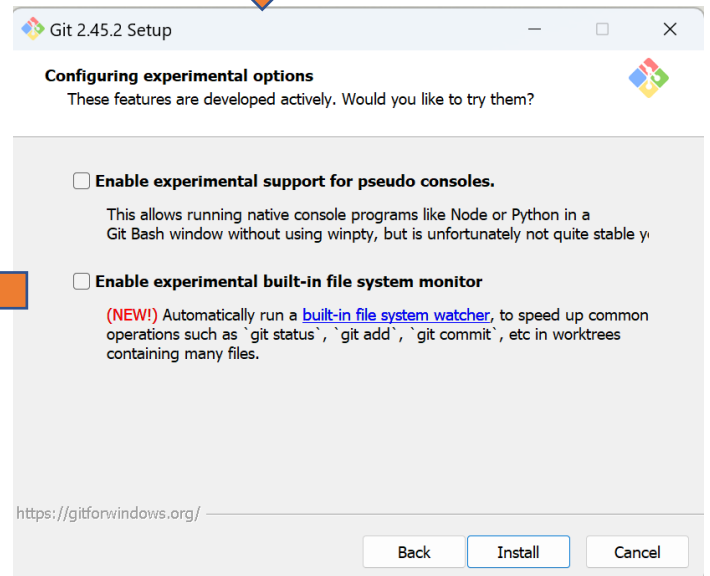
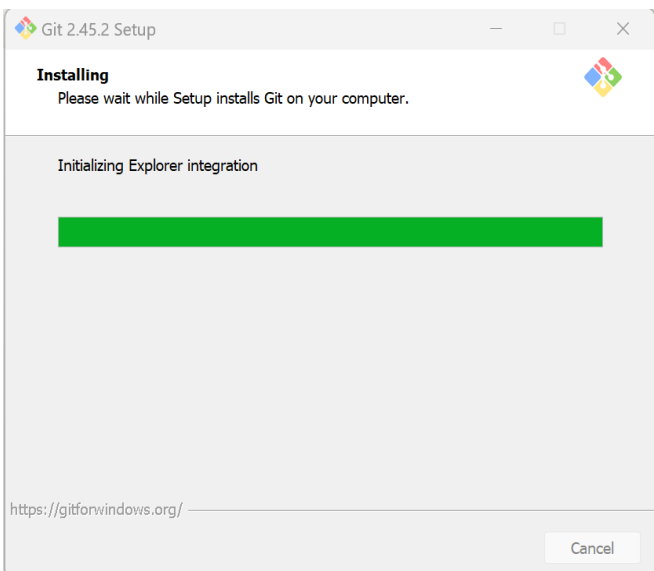
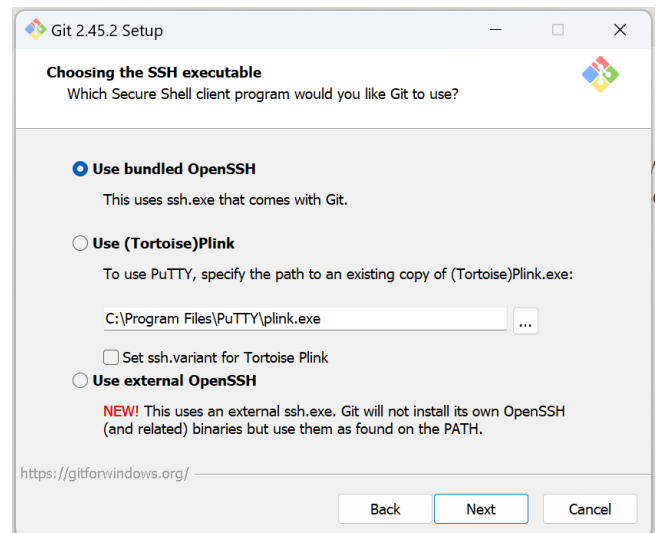
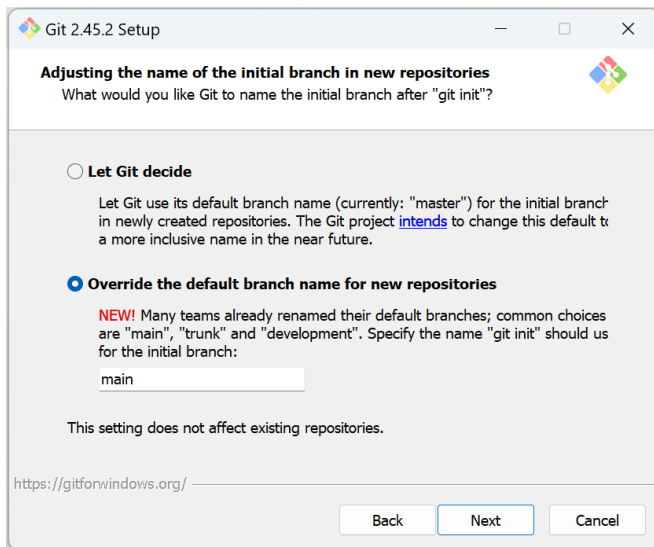


We leave the installation folder by default.



We select the installation options that fit our needs







```

emman@Enguema MINGW64 /d/PlpCod/SoftEngenering/my-first-repo/PLP-My-First-Repository

• emman@Enguema MINGW64 /d/PlpCod/SoftEngenering/my-first-repo/PLP-My-First-Repository (main)
$ echo "# PLP-My-First-Repository" >> README.md

emman@Enguema MINGW64 /d/PlpCod/SoftEngenering/my-first-repo/PLP-My-First-Repository (main)
• $ git init
Reinitialized existing Git repository in D:/PlpCod/SoftEngenering/my-first-repo/PLP-My-First-Repository/.git/

emman@Enguema MINGW64 /d/PlpCod/SoftEngenering/my-first-repo/PLP-My-First-Repository (main)
• $ git add README.md
warning: in the working copy of 'README.md', LF will be replaced by CRLF the next time Git touches it

emman@Enguema MINGW64 /d/PlpCod/SoftEngenering/my-first-repo/PLP-My-First-Repository (main)
• $ git commit -m "my Week2 commit"
[main (root-commit) 3935a36] my Week2 commit
1 file changed, 1 insertion(+)
create mode 100644 README.md

```

```

• $ git push -u origin main
info: please complete authentication in your browser...
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 250 bytes | 250.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/EnguemaDev/PLP-My-First-Repository.git
* [new branch]      main -> main
branch 'main' set up to track 'origin/main'.

```

We access the repository again and observe that the changes have been applied



The screenshot displays the GitHub interface for the repository 'PLP-My-First-Repository'. At the top, the repository name and owner 'EnguemaDev' are shown. Below this, navigation tabs include Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings. The 'main' branch is selected, showing a commit history with 'my Week2 commit' (3935a36) from 13 minutes ago. The README file is open, showing the text 'PLP-My-First-Repository'. On the right, repository statistics are listed: 0 stars, 1 watching, and 0 forks. The 'About' section provides a description: 'Mi repositorio para PLP Academy'. The 'Releases' and 'Packages' sections indicate no releases or packages have been published yet.

4. Install Necessary Programming Languages and Runtimes: Instal Python from <http://www.python.org> programming language required for your project and install their respective compilers, interpreters, or runtimes. Ensure you have the necessary tools to build and execute your code.

```
Windows PowerShell
Copyright (C) Microsoft Corporation. Todos los derechos reservados.

Instale la versión más reciente de PowerShell para obtener nuevas c
y mejoras. https://aka.ms/PSWindows

PS C:\Users\emman> python --version
Python 3.12.4
PS C:\Users\emman> |
```

6. Configure a Database (MySQL): Download and install MySQL database. <https://dev.mysql.com/downloads/windows/installer/5.7.html>

In my case, instead of downloading the mysql installer itself, I will download a mysql docker image with the following command ***docker pull mysql***

```
enguema@enguema:~$ sudo docker images
[sudo] password for enguema:
Sorry, try again.
[sudo] password for enguema:
REPOSITORY          TAG             IMAGE ID        CREATED         SIZE
mysql               latest          31ebb0b19998    10 days ago    586MB
postgres            latest          eb634efa7ee4    4 months ago   431MB
adminer              latest          ec3f0dfcc2c9    5 months ago   250MB
hello-world         latest          d2c94e258dcb    14 months ago  13.3kB
enguema@enguema:~$
```

After downloading the image, we proceed to create a container based on said image.

```
enguema@enguema: ~
enguema@enguema: ~
enguema@enguema:~$ sudo docker run -d -p 33060:3306 -e MYSQL_ROOT_PASSWORD=secret mysql
[sudo] password for enguema:
c1d27104aa6cb3f9af7522134638e1165fc7d21aed953bde66ddc7bc3e6eeceb
```

With the container running we access our mysql container.

localhost:8080/?server=172.17.0.3

Idioma: Español

**Adminer 4.8.1**

## Login

Sesión finalizada con éxito. Thanks for using Adminer, consider donating.

|                               |            |
|-------------------------------|------------|
| <b>Motor de base de datos</b> | MySQL      |
| <b>Servidor</b>               | 172.17.0.3 |
| <b>Usuario</b>                | root       |
| <b>Contraseña</b>             | *****      |
| <b>Base de datos</b>          |            |

☐ Guardar contraseña

By logging in successfully I can create my test database.

localhost:8080/?server=172.17.0.3&username=root

Idioma: Español

**Adminer 4.8.1**

MySQL » 172.17.0.3

## Seleccionar Base de datos

[Crear Base de datos](#) [Privilegios](#) [Lista de procesos](#) [Variables](#) [Estado](#)

Versión MySQL: **9.0.0** a través de la extensión de PHP **MySQLi**

Logueado como: **root@172.17.0.2**

|                          | Base de datos - Refrescar | Colación           | Tablas | Size - Compute |
|--------------------------|---------------------------|--------------------|--------|----------------|
| <input type="checkbox"/> | information_schema        | utf8mb3_general_ci | ?      | ?              |
| <input type="checkbox"/> | myclassdb                 | utf8mb4_0900_ai_ci | ?      | ?              |
| <input type="checkbox"/> | mysql                     | utf8mb4_0900_ai_ci | ?      | ?              |
| <input type="checkbox"/> | performance_schema        | utf8mb4_0900_ai_ci | ?      | ?              |
| <input type="checkbox"/> | sys                       | utf8mb4_0900_ai_ci | ?      | ?              |

Selected (0)

**7. Set Up Development Environments and Virtualization (Optional):** Consider using virtualization tools like Docker or virtual machines to isolate project dependencies and ensure consistent environments across different machines.

In my case I will use Docker

```
enguema@enguema: ~  
enguema@enguema:~$ docker --version  
Docker version 25.0.3, build 4debf41  
enguema@enguema:~$
```

## PROBLEMS FOUND

Among the difficulties encountered I highlight:

Denial of access to my new github repository when I want to upload content. The error message is shown below:

```
remote: Permission to EnguemaDev/PLP-My-First-Repository.git is denied to EnguemaDev..  
fatal: unable to access https://github.com/EnguemaDev/PLP-My-First-Repository.git': The  
requested URL returned error: 403
```

## How have I solved it?

Investigating, I have found that this problem is due to the fact that, when uploading changes to a GitHub repository, access credentials to said account are required and Windows automatically searches for them first in the Windows credentials manager in case there is startup data. previous sessions to the account in question, otherwise, it automatically redirects us to the GitHub login screen.

In my specific case, there was login information, but it corresponded to a GitHub account different from the one I use to take these classes and therefore, when trying to use these credentials automatically, it clearly showed me the error indicated above.

As a final solution, I have had to delete the data of my other GitHub account in the Windows credentials manager. Once this is done, when doing a push again

*push https://github.com/EnguemaDev/PLP-My-First-Repository.git*, It redirected me directly to the GitHub login screen where I entered my credentials and the changes were uploaded to my repository.