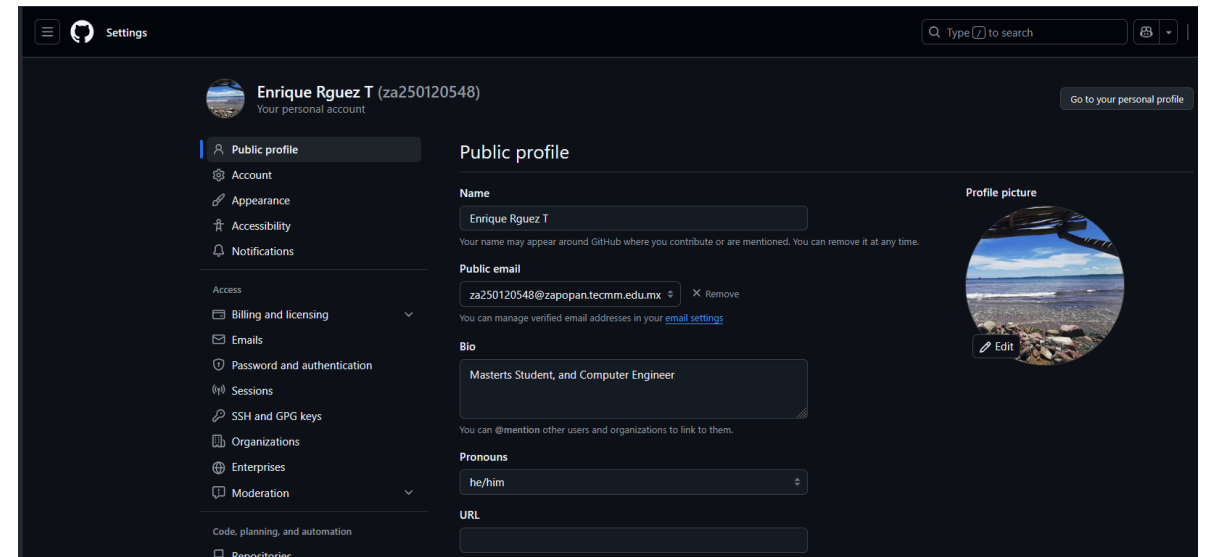
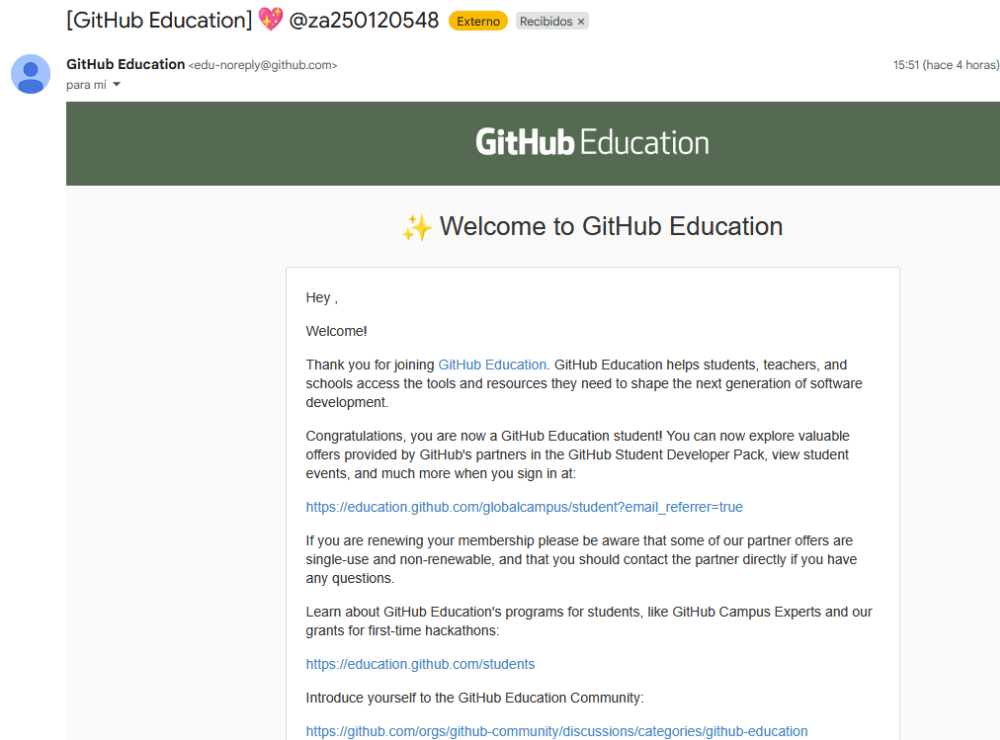


GitHub Education Account



Enrique Rodriguez Toscano

AWS Free Account

The screenshot displays the AWS Free Account dashboard. At the top, the account ID is partially visible as 'Account ID: 3-2-1' and the username 'TecMM_BigData' is circled in red. The 'Free plan status' section indicates that credits remaining are '\$100.00 USD' and days remaining are '182 days'. A message states that free access to AWS services will end on Mar 09, 2026, or when credits are depleted. Below this, the account ID is shown as '3-2-1'. A list of navigation links includes 'Account', 'Organization', 'Service Quotas', 'Billing and Cost Management', and 'Security credentials'. At the bottom right, there is a 'Turn on multi-session support' button and a 'Sign out' button. The left sidebar shows a 'Reset to' button and a 'Find applica' search bar.

United States (Ohio) ▼ Account ID: 3-2-1 TecMM_BigData

Free plan status

Credits remaining
\$100.00 USD

Days remaining
182 days

Your free access to AWS services will end on Mar 09, 2026 or when you have depleted all credits. To ensure uninterrupted AWS access, see [upgrading your plan](#) for details.

Account ID
3-2-1

Account
Organization
Service Quotas
Billing and Cost Management
Security credentials

[Turn on multi-session support](#)

[Sign out](#)

[Reset to](#)

[Find applica](#)

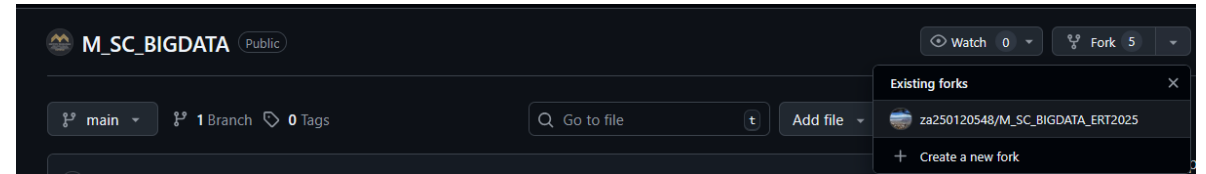
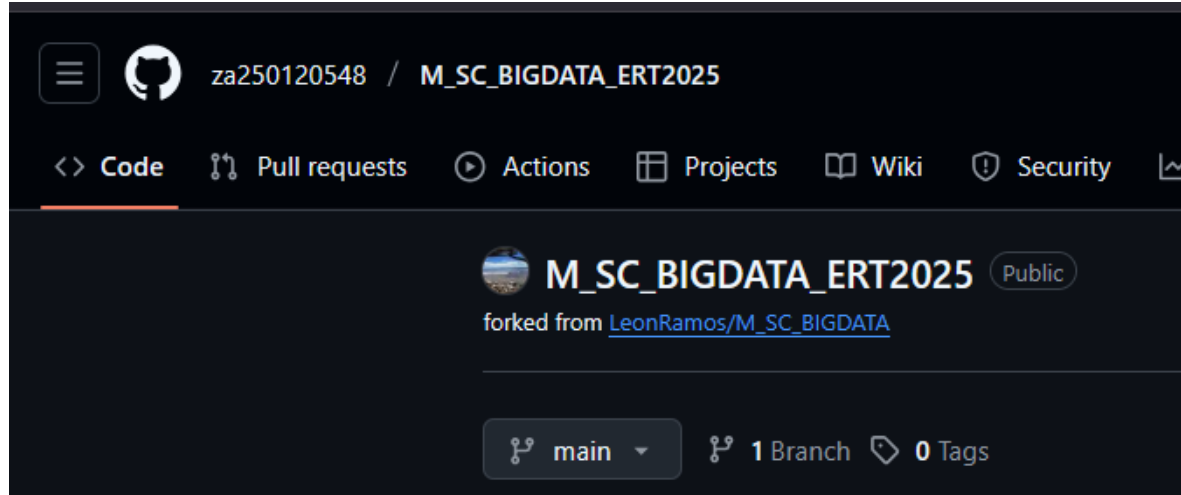
[Description ▼](#)

No application
et started by creating an

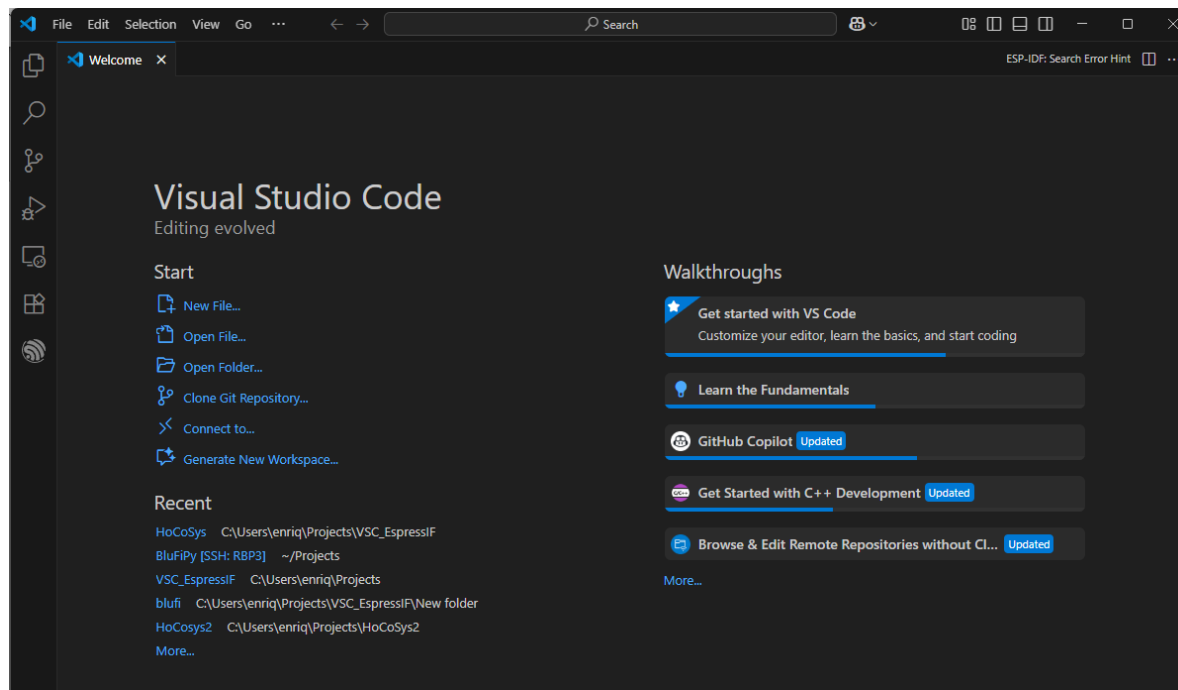
[Create applicati](#)

[Go to myApplicat](#)

Github Project Fork



Python and VSCode installation

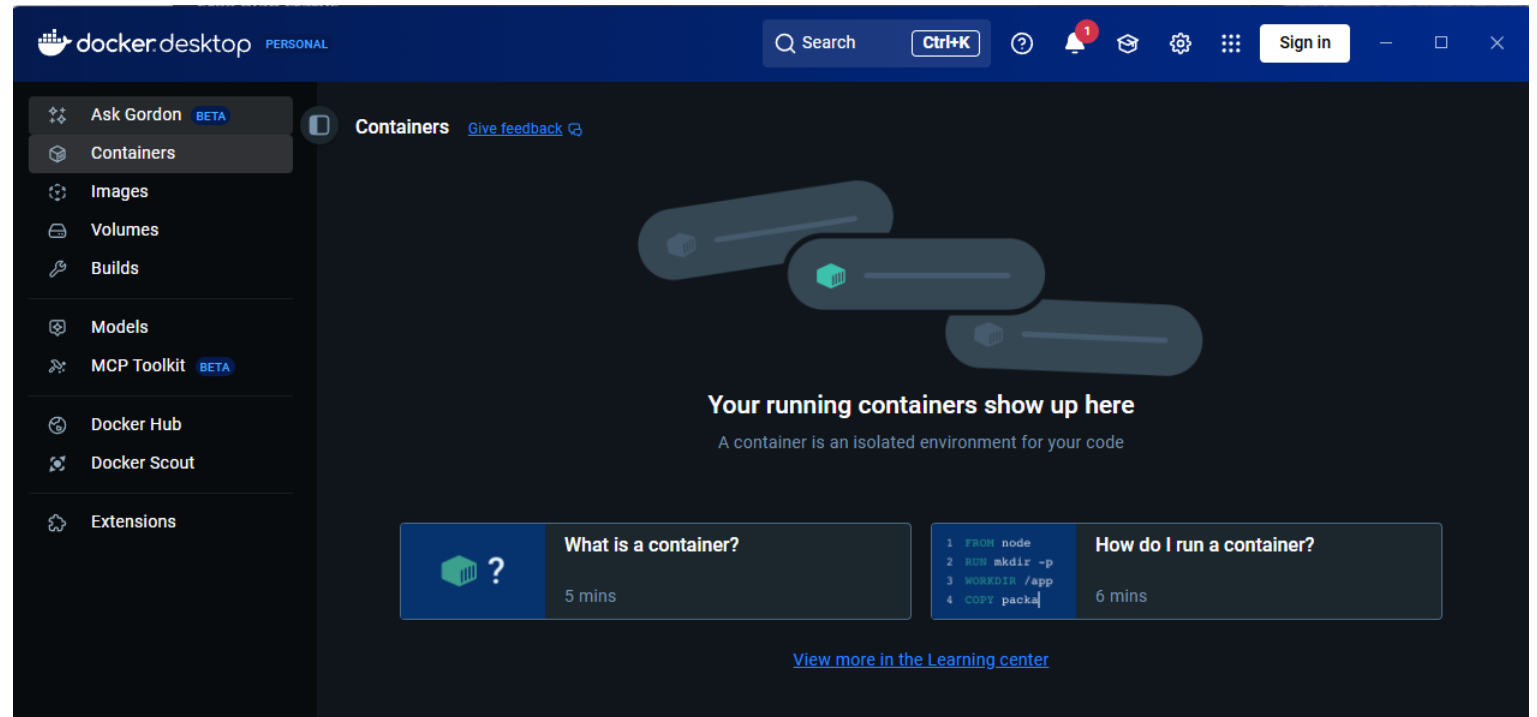


```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\enriq> python3
Python 3.11.9 (tags/v3.11.9:de54cf5, Apr  2 2024, 10:12:12) [MSC v.1938 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> exit()
PS C:\Users\enriq> python3 --version
Python 3.11.9
PS C:\Users\enriq> _
```

Docker installation



PostgresSql and pgAdmin4

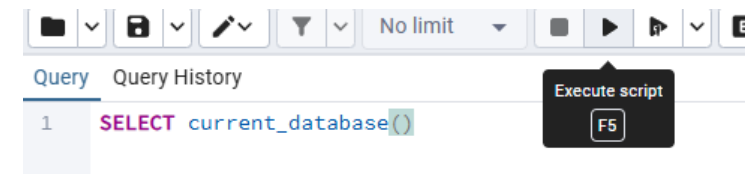
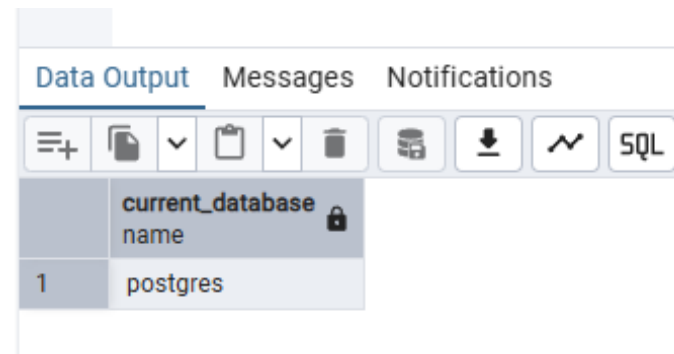
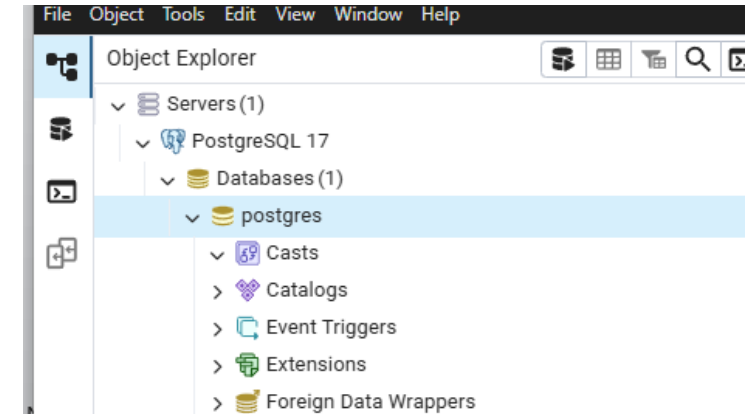
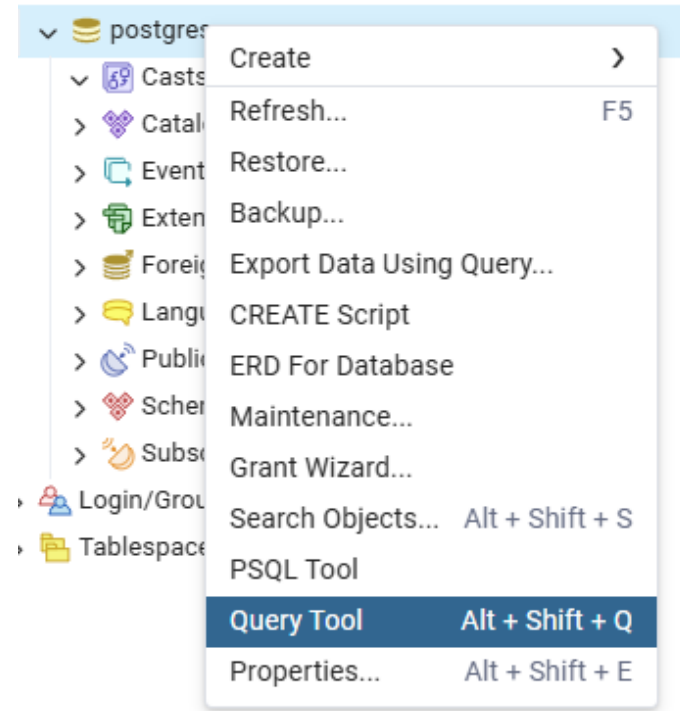
Check the network port is not busy

```
Windows PowerShell
PS C:\Users\enriq> netstat -ano | findstr :5432
TCP        0.0.0.0:5432      0.0.0.0:0        LISTENING   20396
TCP        [::]:5432       [::]:0           LISTENING   20396
```

Confirm is Postgres the PID listening to the port 5432, this is the default port suggested in the Postgres installation. If you change the port us the same port in the commands

```
PS C:\Users\enriq> tasklist | findstr 20396
postgres.exe           20396 Services           0      22,660 K
```

PostgresSql and pgAdmin4





AWS CLI and Terraform

```
on windows_amd64
PS C:\Users\enriq> aws --version
aws-cli/2.29.0 Python/3.13.7 Windows/11 exe/AMD64
PS C:\Users\enriq> _
```

```
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\enriq> terraform --version
Terraform v1.13.1
on windows_amd64
PS C:\Users\enriq> _
```


Tarea Unidad 1

Usar Branch “tarea”

The screenshot shows a code editor interface. On the left is a file explorer with a sidebar titled 'Files'. The sidebar has a search bar with 'tarea' entered and a 'Go to file' search bar. The file tree shows a directory structure: 'Assets', 'Notas_Previas', 'Unidad_1' (expanded), 'src', and 'work' (selected). The 'work' directory contains files: '1_asignacion.md', 'ficheros.py', 'subvenciones.csv', 'subvenciones.json', 'subvenciones.tsv', 'subvenciones.xls', 'subvenciones.xlsx', 'subvenciones.xml', 'subvenciones_esc.csv', 'subvenciones_reformateado.json', 'subvenciones_reorganizado.xml', and 'README.md'. On the right, the main editor area shows the path 'M_SC_BIGDATA_ERT2025 / Unidad_1 / work /'. Below the path, there's a commit history table. The table has two columns: 'Name' and 'Last commit message'. The table lists the following files and their commit messages:

Name	Last commit message
..	
1_asignacion.md	Update Unidad 1 to 4
ficheros.py	Practica de json y xml
subvenciones.csv	Pimer commit taea unidad 1, ficheros, Enrique Rguez Tosc.
subvenciones.json	Practica de json y xml
subvenciones.tsv	Pimer commit taea unidad 1, ficheros, Enrique Rguez Tosc.
subvenciones.xls	Pimer commit taea unidad 1, ficheros, Enrique Rguez Tosc.
subvenciones.xlsx	Practica de json y xml
subvenciones.xml	Practica de json y xml
subvenciones_esc.csv	Pimer commit taea unidad 1, ficheros, Enrique Rguez Tosc.
subvenciones_reformateado.json	Practica de json y xml
subvenciones_reorganizado.xml	Practica de json y xml