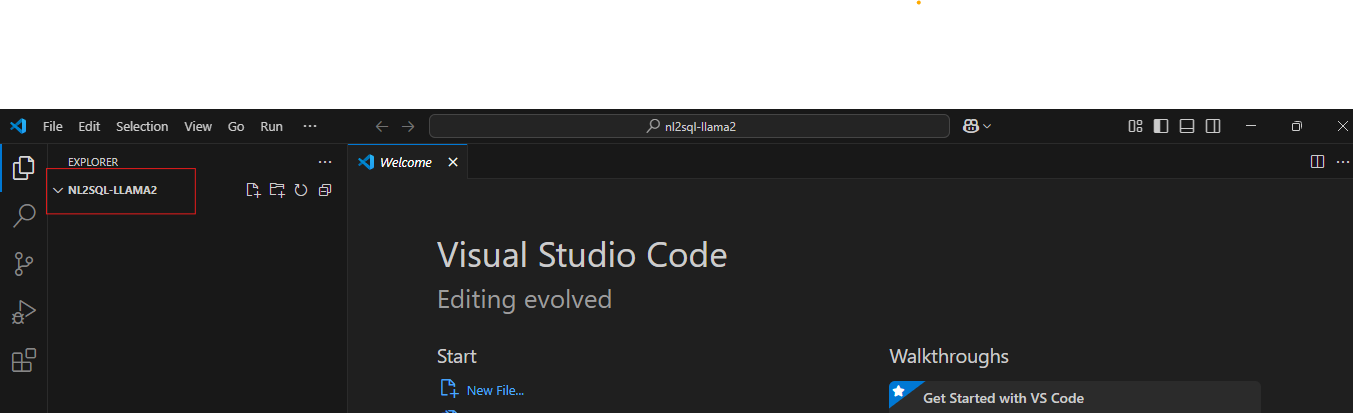
Open VS Code and create a new folder called:

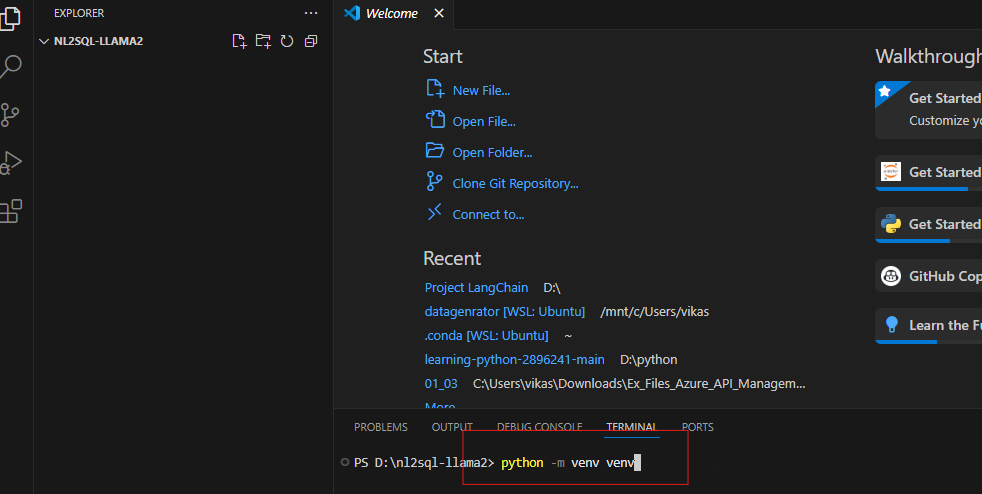
nl2sql-llama2

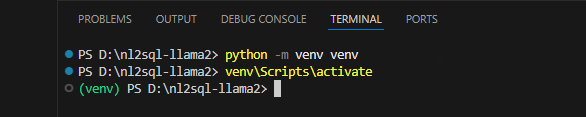


Inside VS Code terminal, initialize a virtual environment:

python -m venv venv

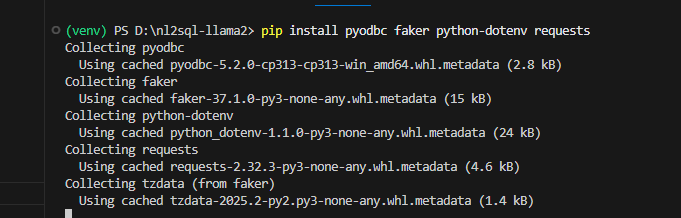
venv\Scripts\activate # On Windows



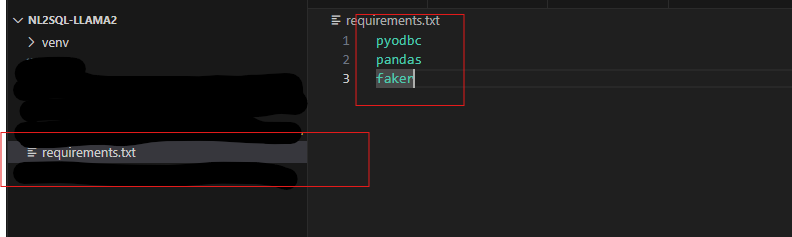


Install Required Packages

pip install pyodbc faker python-dotenv requests

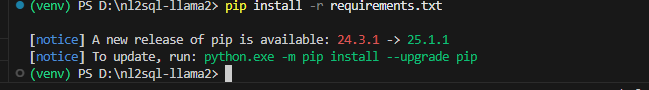


Create a file named requirements.txt in the root of your project folder with the following content:

****

**Install all dependencies from it:**

**pip install -r requirements.txt**

****

**Run Ollama with LLaMA 2**

In a separate terminal window, install and start the LLaMA 2 model locally:

bash

CopyEdit

ollama run llama2

**Create .env File (for DB credentials)**

Inside your project folder, create a .env file:

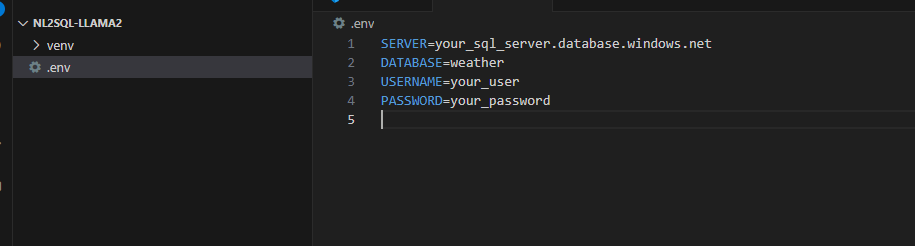
env

SERVER=your\_sql\_server.database.windows.net

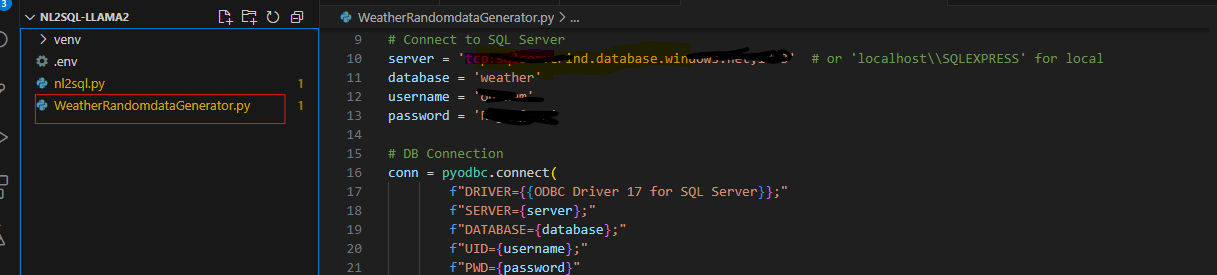
DATABASE=weather

USERNAME=your\_user

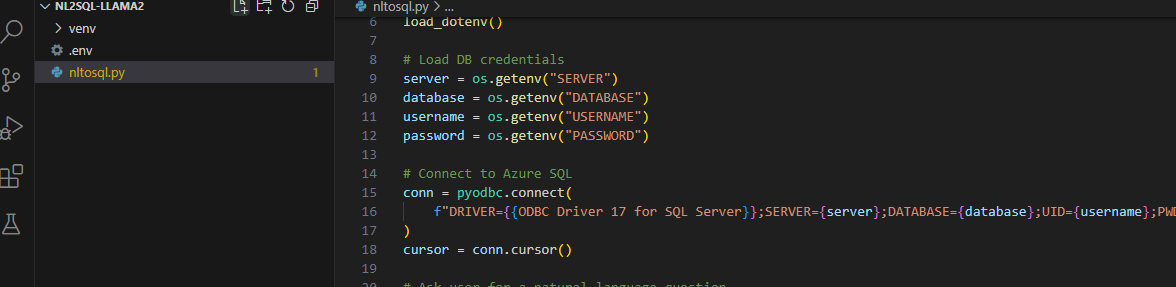
PASSWORD=your\_password



Create a Python script for data loading in SQL weather database table WeatherData



Create Python Script nl2sql.py



Run python .\WeatherRandomdataGenerator.py to insert the data in sql table.

