Web Page Creation

# Overview

I created this webpage by using the **Python Flask** framework and stored the data into **SQLite3** database. The database has two tables named ‘Data\_PolygonTest’ and ‘Data\_OperatorTest’, which was then called within the **Flask** application. For the server side, I used **HTML** and **JQuery** to create an event listener for the dropdown menu for the **Operator Code Filter**.

I would be happy to explain the code if needed. Given the short timeframe and I had some experience with Flask, I chose to use this method. However, I am also open to learning **VB.Net** to meet our business requirements. Thank you again for providing this opportunity.

# Prerequisites

Windows 10 or 11  
Python 3.10 or above (I tested on all the three versions)  
Any IDE (e.g., VS Code)

# Instructions

1. Download the **Programming\_Test** Zip Folder.
2. Extract it to a preferred location on your desktop.
3. Open a VS Code IDE or any other IDE of your preference installed on your device.
4. Click on **File>Open Folder>Programming\_Test>Select Folder**
5. After that, write **python -m venv .venv** in terminal followed by **.venv\Scripts\activate**.
6. Next step, please use the command **pip install -r requirements.txt** in the terminal to install all the packages to run the app.
7. Finally, use the command **python app.py** and then paste <http://127.0.0.1:5000> in the browser and then web page will load successfully. Please do let me know if you encounter any issues.