Python Setup Guide for Visual Studio

- 1. Install Visual Studio Code:
 - https://code.visualstudio.com/
- 2. Install Python:
 - https://www.python.org/downloads/
 - Add Python to PATH during installation.
- 3. Install Python Extension in VS Code:
 - Open Extensions (Ctrl+Shift+X)
 - Search "Python" by Microsoft and install it.
- 4. Create a New Python Project:
 - File > Open Folder > Select your project directory
 - Create a file named app.py
- 5. Create and Activate Virtual Environment:
 - Open terminal in VS Code (Ctrl+`)
 - Run: python -m venv venv
 - Activate:
 - Windows: venv\Scripts\activate
 - macOS/Linux: source venv/bin/activate
- 6. Select Python Interpreter in VS Code:
 - Ctrl+Shift+P > "Python: Select Interpreter"

- Choose the one inside your /venv folder
- 7. Run Your Python Script:
 - Right-click in app.py and select "Run Python File in Terminal"
- 8. Install Packages:
 - Use pip install <package>
 - Save with: pip freeze > requirements.txt