**User Guide for Running the Meter Readings Processor**

**Step 1: Install Python**

1. Go to the official Python website: <https://www.python.org/>.
2. Download the latest version of Python for your operating system.
3. During installation, make sure to check the option *"Add Python to PATH"*.

**Step 2: Install an IDE (Optional)**

Using an IDE like Visual Studio Code or PyCharm can simplify your coding experience:

1. Download Visual Studio Code: <https://code.visualstudio.com/>.
2. Follow the installation instructions and set it up.

**Step 3: Install Required Libraries**

1. Open a terminal (Command Prompt, PowerShell, or your OS terminal).
2. Run the following commands to install the necessary Python libraries:

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pip install streamlit pandas openpyxl

**Step 4: Save the Python Script**

1. Copy the Python code provided above.
2. Open a text editor or IDE.
3. Paste the code into a new file.
4. Save the file as meter\_processor.py.

**Step 5: Run the Application**

1. Open a terminal and navigate to the folder where meter\_processor.py is saved:

bash

Copy code

cd path\_to\_your\_folder

1. Run the application using:

arduino

Copy code

streamlit run “path of the file”

1. A web browser will open with the application running. If not, copy the URL from the terminal and paste it into your browser.

**Step 6: Using the Application**

1. Upload the raw data file (Excel format).
2. Follow the instructions in the app interface to process the data.
3. Use the provided download buttons to save results.

**Troubleshooting**

1. If library installation fails, try running the terminal as Administrator.
2. Ensure Python is added to your system PATH.
3. Visit the Streamlit documentation for help: https://docs.streamlit.io/.