

Explanation of the Code Organization and Data Processing Approach

Code Organization:

- First, I selected the Python script, which starts by authenticating using **service account credentials** and accessing the Google Sheet with its key.
- Then it interacts with the given worksheet, retrieving data, updating cells, and writing a **DataFrame** to it.

Interaction with the API:

- To connect with the Google Sheets API, the **gspread** library is utilized. Accessing the Google Sheet, retrieving data, and updating cells are all part of this.

Approach to Data Processing:

- I chose the data to be grouped into a Python dictionary before being transformed into a **DataFrame** with **Pandas**.
- The DataFrame in the worksheet is cleaned, and the modified DataFrame is written back to the worksheet with **gspread_dataframe**.