RESTFUL-API PROJECT

### Overview:

Regarding the project instructions and code for fetching, manipulating, and saving data from CSV files using the Pandas library in Python. It demonstrates the following functionalities:

This Python script performs the following tasks:

1. Import Libraries: It imports the pandas library as pd for data manipulation and the csv library for working with CSV files.
2. File Paths: It defines the file paths for three datasets:
   * COVID-19 India Statewise Vaccine Data
   * Latest COVID-19 Data in Asia
   * Latest COVID-19 India Status
3. Fetch Data Function: It defines a function named fetch\_data() that reads the data from CSV files into pandas DataFrames. The function checks if the file format is CSV before reading the data.
4. Manipulate Data Function: It defines a function named manipulate\_data() that sorts the DataFrame based on the 'Population' column in ascending order.
5. Fetching and Manipulating Data: It fetches each dataset using the fetch\_data() function and then manipulates the data using the manipulate\_data() function.
6. Printing Manipulated Data: It prints the first few rows of the manipulated data for each dataset.
7. Saving Manipulated Data to CSV Files: It saves the manipulated data for each dataset to separate CSV files named 'vaccine\_data\_sorted.csv', 'covid\_data\_asia\_sorted.csv', and 'covid\_data\_india\_sorted.csv', respectively. The to\_csv() method of the DataFrame is used for this purpose.

This script fetches three datasets, sorts them based on population in ascending order, and saves the manipulated data to CSV files.

So far I have written this code and I explained how I wrote this, but I have done completely wrong this time. Next time I won’t repeat this mistake.

* Due to the misunderstanding of the overview of the project, I did something wrong by taking the Datasets rather than public APIs.
* Next check-in I will resolve my mistakes and do the project as it was mentioned and will do it adequately.
* Thank you, Dr. Walter, for taking the time to explain to me everything clearly.