List of all Databases Tables.
 # python main.py list tables

```
main.py × ③ README.md
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                                                    main.py > 分 main
    import argparse

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                 ③ README.md
                                                        2 import configparser
3 import logging
4 from api_client import APIClient
5 from data_transformer import DataTransformer
6 from mysql_handler import MySQLHandler
                  data transforme...
          V HEALTHCARE ETL CLI
                                                         9 logging.basicConfig(level=logging.INFO, format='%(asctime)s - %(levelname)s - %(message)s')
                                                                     config = configparser.ConfigParser()
                                                                       config.read('config.ini')
return config
            ≡ confia.ini
            data_transformer.py
            mysql_handler.py
           ■ README.md

Frequirements.txt

vaccination_csv_loade...

vaccinations.csv

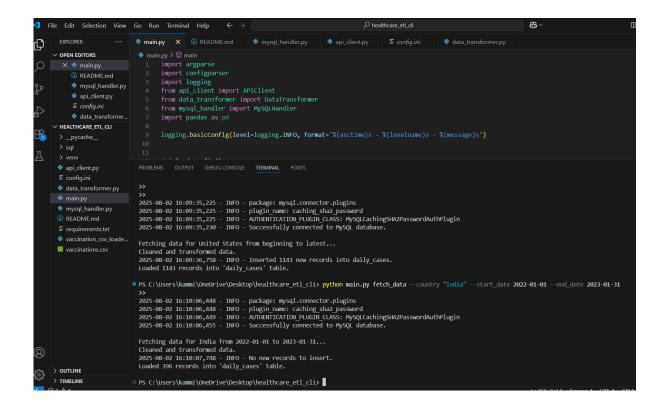
PS C:\Users\kammi\OneDrive\Desktop\healthcare_etl_cli> python main.py list_tables

>>>
2025-08-02 16:06:00,570 - INFO - package: mysql.connector.plugins
2025-08-02 16:06:00,571 - INFO - plugin_name: caching_sha2_password
2025-08-02 16:06:00,571 - INFO - AUTHENTICATION_PLUGIN_CLASS: MySQLCachingSHA2PasswordAuthPlugin
2025-08-02 16:06:00,575 - INFO - Successfully connected to MySQL database.
                                                     No tables found. Creating tables...
Tables 'daily_cases', 'vaccination_data' created successfully.
                                                   o PS C:\Users\kammi\OneDrive\Desktop\healthcare_etl_cli>
```

2. Fetching data for India.

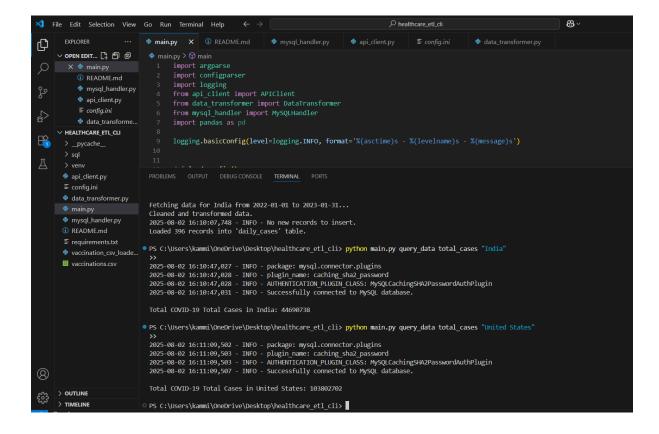
# python main.py fetch\_data --country "India"

```
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                                                 import angiparse
import configparser
import logging
from api_client import APIClient
from data_transformer import DataTransformer
                 ① README.md
                                                            from mysql handler import MySQLHandler
                 data transforme...
          V HEALTHCARE ETL CLI
                                                            logging.basicConfig(level=logging.INFO, format='%(asctime)s - %(levelname)s - %(message)s')
            > pycache
                                                 2025-08-02 16:06:00,571 - INFO - plugin_name: caching_sha2_password
2025-08-02 16:06:00,571 - INFO - AUTHENTICATION_PLUGIN_CLASS: MySQLCachingSHA2PasswordAuthPlugin
2025-08-02 16:06:00,575 - INFO - Successfully connected to MySQL database.
            mysql_handler.py
                                                  No tables found. Creating tables...
Tables 'daily_cases', 'vaccination_data' created successfully.
           vaccination_csv_loade...
                                                 PS C:\Users\kammi\OneDrive\Desktop\healthcare_etl_cli> python main.py fetch_data --country "India"
           ■ vaccinations.csv
                                                  2025-08-02 16:06:33,727 - INFO - package: mysql.connector.plugins
2025-08-02 16:06:33,728 - INFO - plugin name: caching sha2 password
2025-08-02 16:06:33,728 - INFO - AUTHENTICATION_PULINI LLASS: MysQlCachingSHA2PasswordAuthPlugin
2025-08-02 16:06:33,730 - INFO - Successfully connected to MysQL database.
                                                  Fetching data for India from beginning to latest...
Cleaned and transformed data.
2025-08-02 16:06:36,280 - INFO - Inserted 1143 new records into daily_cases.
Loaded 1143 records into 'daily_cases' table.
                                                 PS C:\Users\kammi\OneDrive\Desktop\healthcare_etl_cli>
```



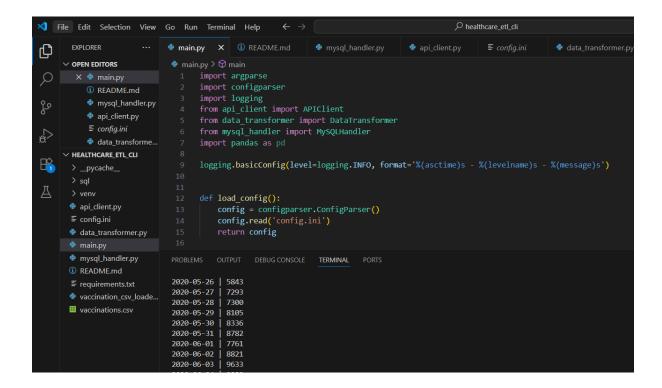
## 3. Querying total cases for India

# python main.py query\_data total\_cases "India"



4. Querying daily trends for new cases in India.

# python main.py query\_data daily\_trends "India" new\_cases



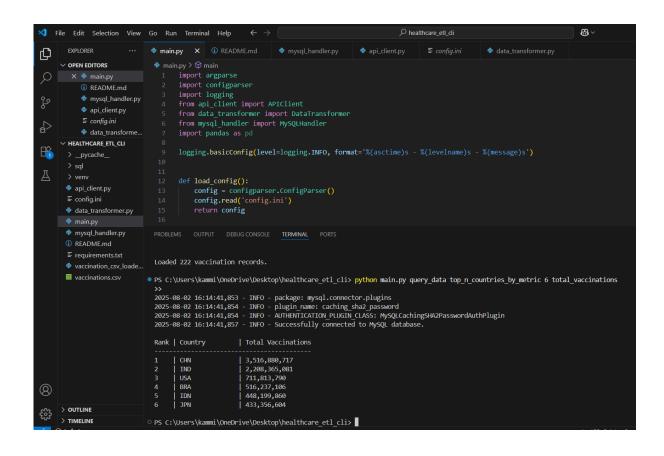
- 5. Load Vaccination data.
- # python main.py load vaccination data

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                                                             data transformer.pv
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         وړ
          C:\Users\kammi\OneDrive\Desktop\healthcare_etl_cli\config.in
                                   logging.basicConfig(level=logging.INFO, format='%(asctime)s - %(levelname)s - %(message)s')
      > venv
                                   def load_config():
       api_client.py
       config.read('config.ini')
                                      return config

 README.md

                             PS C:\Users\kammi\OneDrive\Desktop\healthcare_etl_cli> python main.py load_vaccination_data
       vaccination_csv_loade...
                             2025-08-02 16:14:12,314 - INFO - package: mysql.connector.plugins
                             2025-08-02 16:14:12,315 - INFO - plugin name: caching sha2 password
2025-08-02 16:14:12,315 - INFO - AUTHENTICATION PLUGIN CLASS: MySQLCachingSHA2PasswordAuthPlugin
                             2025-08-02 16:14:12,318 - INFO - Successfully connected to MySQL database.
2025-08-02 16:14:12,435 - INFO - Inserted 222 new records into vaccination_data.
                            OPS C:\Users\kammi\OneDrive\Desktop\healthcare_etl_cli>
```

6. Getting top 6 countries by total vaccinations
# python main.py query\_data top\_n\_countries\_by\_metric 6 total\_vaccinations



## 7. Drop all tables.

# python main.py drop\_tables

