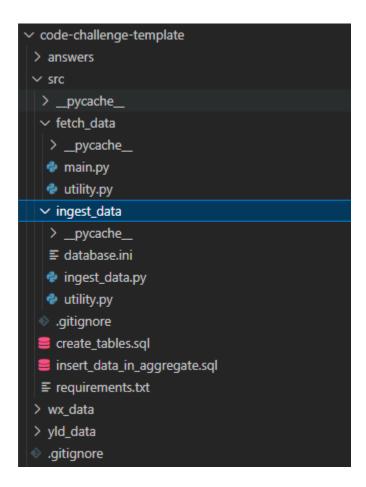
Git Clone Repository

Setup to run the code.

(Folder structure)



- 1. create tables using in postgres using
 - 1.1 code-challenge-template\src\create_tables.sql
- 2. Install all libraries in python environment
 - 2.1 command : pip install -r code-challenge-template\src\requirements.txt
- 3. update database credential in code-challenge-template\src\ingest_data\utility.py
 - 3.1 Replace all 5 parameters in def get_connections()

```
def get_coonection():
    con = psycopg2.connect(
    database="postgres",
    user="your_user",
    password="your_password",
    host="localhost",
    port= '5432'
)
    return con
```

Save the file

4. Run Python script

Command prompt: python yourpath\code-challenge-template\src\ingest_data\ingest_data.py

Example:

```
C:\Users\I __'>python D:\python_visual_studio\wx_data\code-challenge-template\src\ingest_data\ingest_data.py
Start Time : 1678663790.6582243

insert yeild data

Total row inserted for yeild data 0
insert weather data
Total row inserted for weather data 0

End Time : 1678663820.432345

Total execution time : %s seconds 29.774120569229126
```

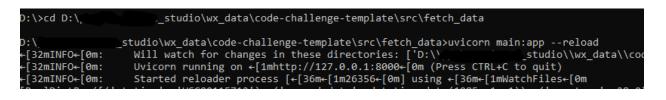
- 5. Run code-challenge-template\src\insert_data_in_aggregate.sql
 - 5.1 Inserts data in aggregated_wx_data table
 - 5.2 Contain select query to get aggregated data from wx_data_table
- 6. update database credential in **code-challenge-template\src\fetch_data\utility.py**6.1 Replace all 5 parameters in def get connections()

```
def get_coonection():
    con = psycopg2.connect(
    database="postgres",
    user="your_user",
    password="your_password",
    host="localhost",
    port= '5432'
)
    return con
```

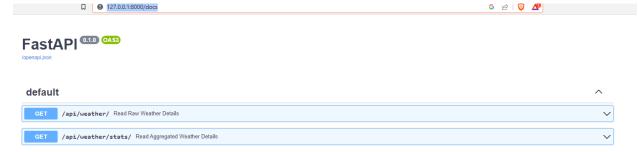
Save the file

- 7. Open new command prompt and change working dir to
 - 7.1 Code-challenge-template\src\fetch_data
 - 7.2 run uvicorn main:app -reload to start Application server

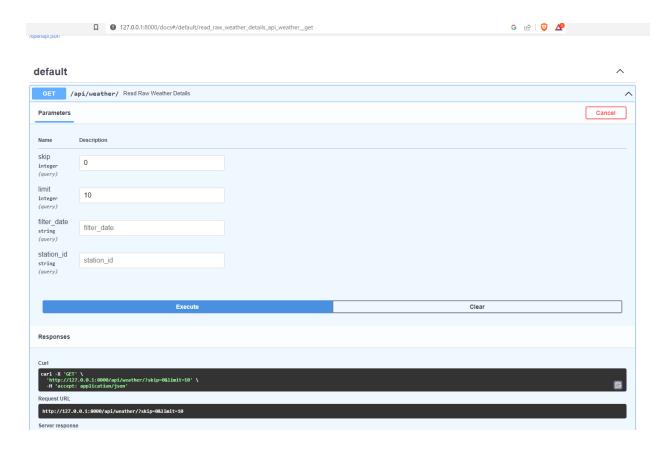
Example:



8. Open url in browser (http://127.0.0.1:8000/docs)



- 9. Test the endpoints
- 9.1 /app/weather/





9.2 /app/weather/stats

