



GMT 351 GEOSPATIAL DATA MANAGEMENT  
FINAL ASSIGNMENT

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## Web Based Code That Can Insert Datas in Postgre , with Clues

Proff: I proff the code in Webbased.mp4 so there is no doubt about code's working problems. Please watch it.

0-For better understand please watch Webbased.mp4 before doing the steps and read komutlar.txt  
Also Code needs to be change from connection values for local connection to your database.

1-Firstly We need to Download Visual Studio Code

2-Default Python Version must be 3.7.6. I tried 3.6.5 , 3.7.1 and it didn't work.

3-Html , .py and ccs codes mustn't extract from where they are. Please use the folder that named proje\_orjinal.

4-Put the proje\_orjinal in to the Visual Studio Code

5-The libraries in proje\_orjinal>templates>Pipfile and Pipfile.lock. If it dont' work u can set up the libraries again with commands written by in komutlar.txt

6-Use the Table creating commands and Code starting Commands in to the Terminal.

7-Terminal going to give us a web link. Click it and its directly open a web page that can insert datas in to the postgre tablet created by the code.

Libraries:

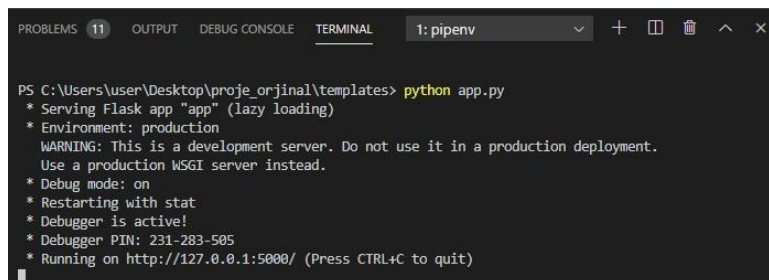
```
##Starting Code##
pipenv shell
python app.py

##Libraries##
pip install pipenv
pipenv install flask
pipenv install psycopg2
pipenv install psycopg2-binary
pipenv install flask-sqlalchemy
pipenv install gunicorn

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##Creating Table##
python
from app import db
```

Starting Code (Click\_http://127.0.0.1:5000\_in terminal) :



```
PROBLEMS 11 OUTPUT DEBUG CONSOLE TERMINAL 1: pipenv
PS C:\Users\user\Desktop\proje_orjinal\templates> python app.py
* Serving Flask app "app" (lazy loading)
* Environment: production
WARNING: This is a development server. Do not use it in a production deployment.
Use a production WSGI server instead.
* Debug mode: on
* Restarting with stat
* Debugger is active!
* Debugger PIN: 231-283-505
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

Creating Table:

```
>>> from app import db
>>> db.create_all()
>>> exit()
PS C:\Users\user\Desktop\proje_orjinal\templates>
```

## **Exe Based Code with Bonuses can Insert and manipulates datas in postgres, with clues.**

Prove:I prove the code in Exebasedbonus.mp4 so there is no doubt about code's working. Please watch it.

0-If you want to start the .py code in your local postgres server you must change the connection datas for yourself. For this reason i didn't convert it into exe so that means you must download to libraries.

1-First part classic inserting datas into postgres.

2-Second part deleting a row from postgres just enter values you want to delete from postgres.

3-Third part classic query section. Just write a query like postgres's queries. Results gonna save into your computer as "query.txt" files.

4-4. part named "halk için" just write the name you want to see all entry's of the names. Results gonna save into your computer as "Query.txt" This part provide i can make a easy query for normal persons or i can make a limitation for query. In 3. Part there is no limitation that means users can touch the every data.

5-5. part for multiple deleting once. Just write the name and code going to delete all datas which the name entered.

6-I tried to insert a csv file into postgres with code but failed.

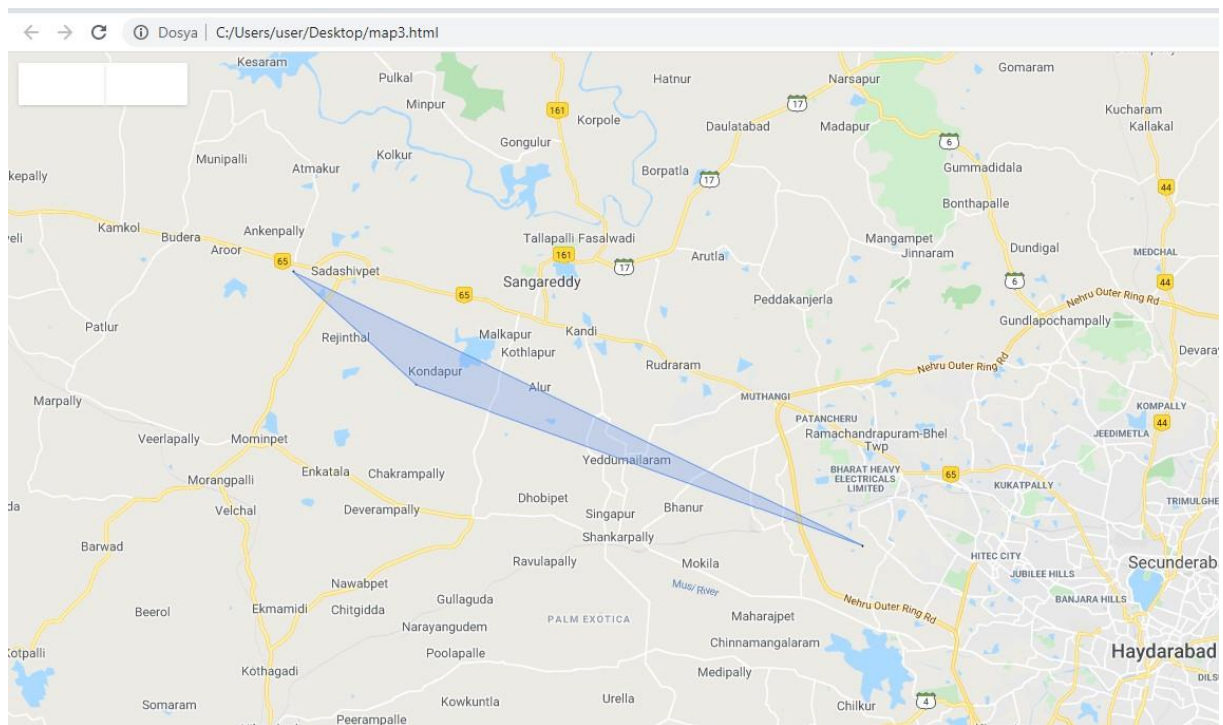
7-It's connecting with wikipedia and searching datas but goverment will stop you when you try to connect.

8-This part directly open a path to the websites about our topics. So users can get correct and fast informations.

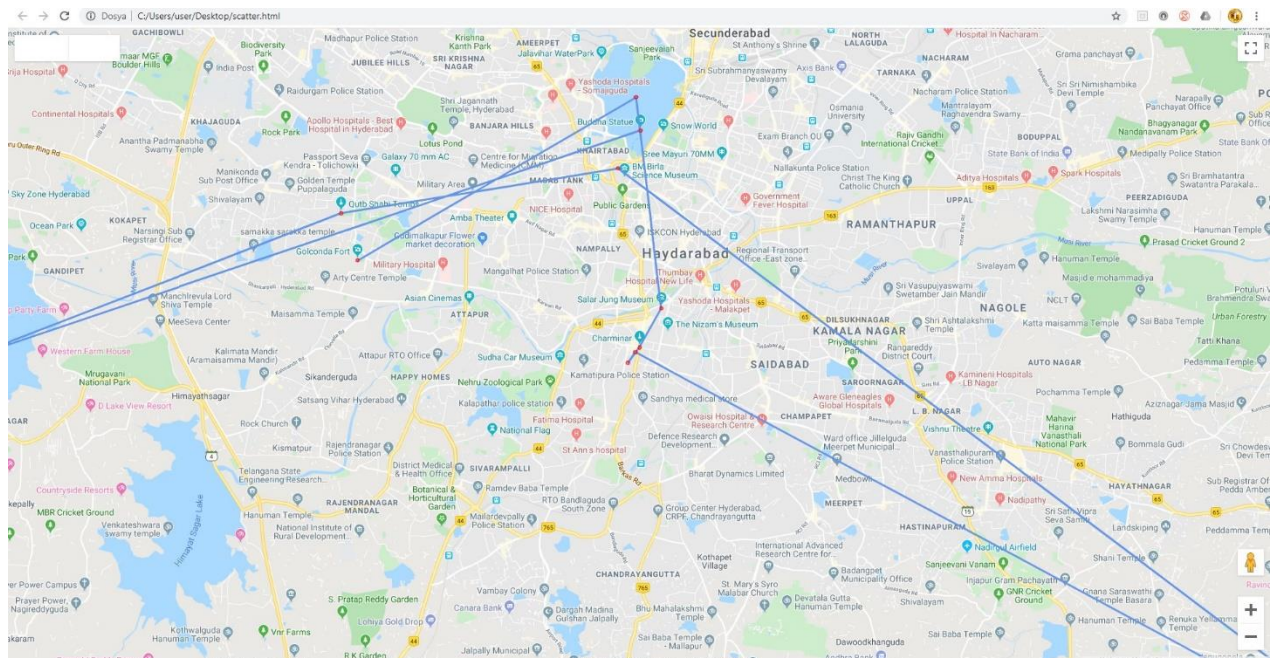
9\_10:Those parts whichs are i loved most. They create a html link that directly jump in to the Google map and doing some algorithms. 9 can make polygon with our coordinates and 10 can connect the coordinates each other and shows them in Google Map but there is a problem here. You want to have API key for connection Google map which is need Money. If you don't have API key code, start and see the results just for 1-2 seconds after that Google going to cut your connection.

Where to get API\_KEY: In Google maps official sites.

## 9-Polygon Screen Shot



## 10-Scatter Screen Shot



## Exe interface:

işlem yapmak istediğiniz veri tabanını seçiniz  
Ağaç veri tabanı

yapmak istediğiniz işlemi seçiniz  
insert delete query halk için Toplu kullanıcı delete Csv içeri atma(çalışmıyor) Wikipedia(devlet engelli) Bilgi Al Polygon Scatter

Lütfen girdilerinizin integer olmasına özen gösteriniz. Lütfen silmek istediğiniz satırın PK'ları girin

Your Query kimin verisi Lütfen silmek istediğiniz kullanıcı ismini girin

Latitude Longitude height name Uygula Uygula Uygula

Latitude Longitude name Uygula

isim Uygula

Wikipedia Search Ağaç Bilgisi Koordinat Bilgisi Hacettepe sayfası

Search

## Web interface:

127.0.0.1:5000

Latitude Value

Latitude

Longitude Value

Longitude

Your Name

name

Height Value

height

Submit

## Web Succes Page:

127.0.0.1:5000/submit

Thank You!

Thank you for rating your experience. We hope to see you soon!