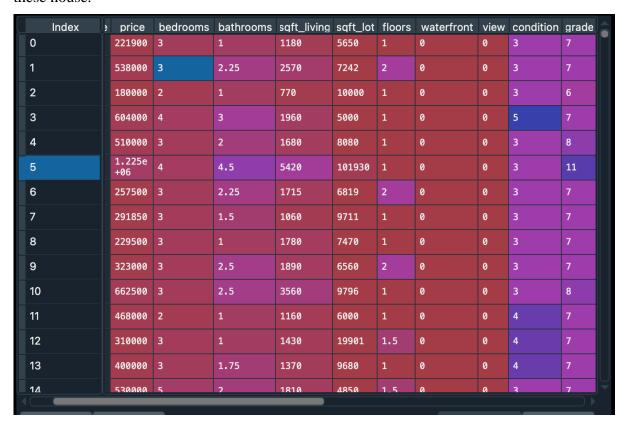
Name: İrem Tanrıverdi Batch code: LISP01

Submission date: 27/03/2021 **Submitted to:** Data Glacier

API URL: https://housesalaryprediction-api.herokuapp.com

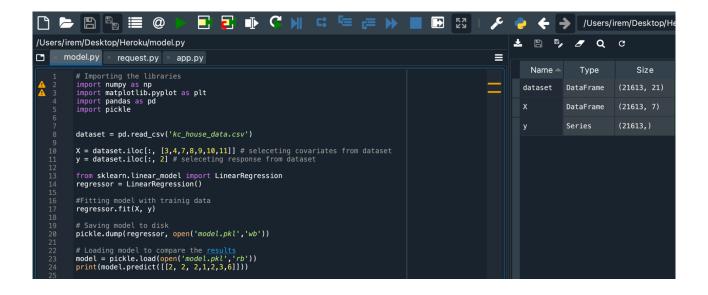
Name of the dataset is "kc_house_data.csv" taken from Kaggle. This dataset includes information about characteristics of the houses like how many bathrooms, bedroom, etc. and what is the price of these house.

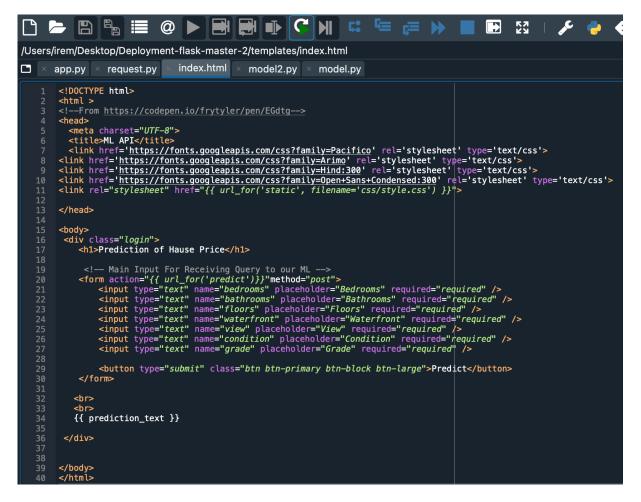


This is the snapshot of the dataset.

Waterfront: There is waterfront=1; There is not waterfront=0

• Linear regression model had conducted to predict house price, taking some characteristics of the houses as predictors.





- This is the root node where API URL should go.
- index.html file is like our home page.

• We create request.py file to give URL. We are just saying that request or post URL and we give json values.

```
/Users/irem/Desktop/Heroku/app.py

| Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.py | Model.p
```

• In this app.py file, we create flask environment where we will be creating our API, and where we will read this file and then we will give the input to the file.

Then we open the terminal, and the read app.py file on the terminal.

```
Deployment-flask-master-2 — python < python app.py — 97×24

Last login: Sat Mar 20 16:10:34 on ttys001

[(base) irem@irem-MacBook-Air Deployment-flask-master-2 % 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

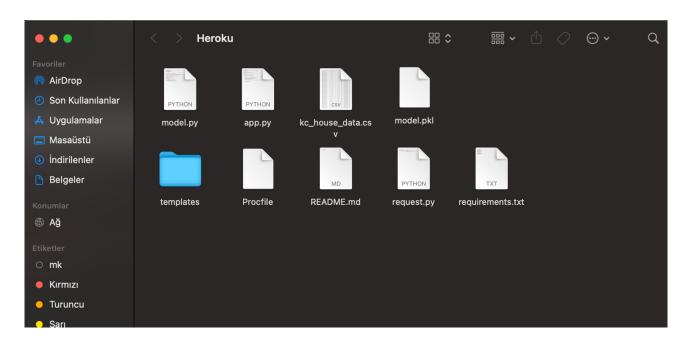
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)

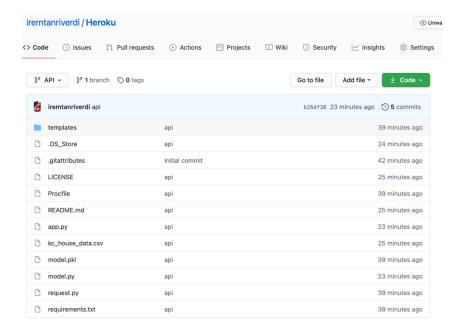
* Restarting with fsevents reloader

* Debugger is active!

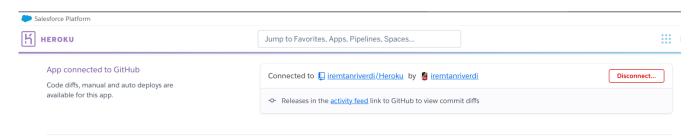
* Debugger PIN: 281-513-114
```

We see that address of the demo is http://127.0.0.1:5000/, so we created API. This link only opened in our browsers. Therefore, I deployed the model on open source cloud which is Heroku. Firstly, I upload the python files which include model deployment part and required files to the github.

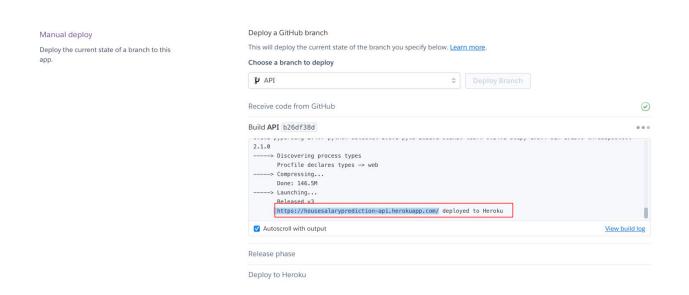


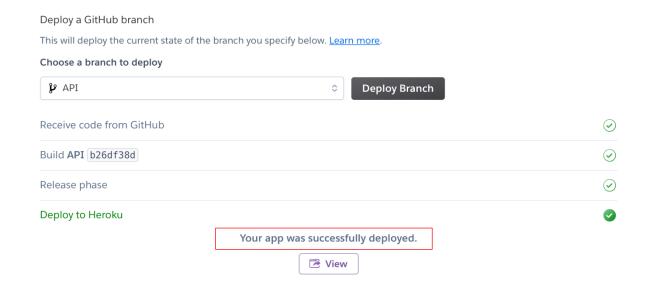


Then, I opened the Heroku and, upload the link of my repositories in Github.



Then, our files are uploaded, and API URL is created by Heroku.





Then we view the URL:



Let's test it:

