**1**. Download the Ohio quarterly production data from

https://ohiodnr.gov/static/documents/oil-gas/production/20210309\_2020\_1%20-%204.xls

**2**. Add up the quarterly data to calculate the annual data for oil, gas, and brine for each well based on API WELL NUMBER. For example, API WELL NUMBER 34059242540000 has a quarter 1 production of 103, quarter 2 production of 166, quarter 3 production of 50, and quarter 4 production of 62, therefore it would have an annual oil production of 381 because 103 + 166 + 50 + 62 = 381.

**3**. Using python, load the calculated annual data into a local sqlite database.

**4**. Make an api using flask on port 8080 to allow for getting the annual data from the database using a GET request.

For example if the input url is:

http://localhost:8080/data?well=34059242540000

then the api should return

{

"oil": 381

"gas": 108074

"brine": 939

}

**5**. The app should be launch-able by running:

python main.py

**6**. Please email the source code to zacharyb@inerg.com