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Course: phython. USN: 4AH18EC042.
Topic: Day 4 (2 topics) Sem & Section: IV Sem 'A' Sec.
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Report:-

Project exercise with the phython.

More SQL statements:-

In the example you just saw we used the following SQL statement in our python code: query = cursor.execute.

That statement retrieved all the rows of the Dictionary table where the value of the column expression was rain. The string inside cursor.execute() is SQL code that python sends to the database.

Data Analysis with pandas:

Installing pandas:

Make sure you have pandas installed. you can instal it with pip:

Pip install pandas.

(or) pip3 install pandas.

Getting started with pandas:-

Loading JSON Files:-

In the previous lecture you learned that you can load a CSV file with this code:

import pandas
df1 = pandas.read_csv(

Try loading the .

Supermarkets.json file

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for this exercise using read_json. instead of read_csv.

The Supermarkets.json file can be found inside the Supermarkets.zip file attached in the previous lecture.

Solution:

The code for loading the Supermarkets.json file in python with pandas would be this:

```
import pandas
df2 = pandas.read_json.
```

The df2 dataframe should contain the data.

Note on loading Excel files.

ModuleNotFoundError: No module named 'xlrd', you can fix the error by installing xlrd:

pip install xlrd (or) pip3 install xlrd.

Set Header Row:

Set Column names.

Indexing & Slicing :-

Updating and Adding new Rows and Columns:-

Note on Nominatim:- we are going to use Nominatim() in the next video. Nominatim() currently has a bug. To fix this Problem, whenever you see these lines in the next video:

```
from geopy.geocoders i
nom = Nominatim()
```

Change them to these, from geopy.geocoders i

```
nom = ArcGIS()
```

Geocoding Addresses with pandas & Geopy.