https://go.screenpal.com/watch/cZ6l26VWvQH the presentation of code.

1. Decide for a data source: Service using API **or** sensor

I decided to go with an API. I used the requests library and made use of a RESTful API.

2. Write a very short program that accesses the data

   a. Choose your programming language:

Python

   b. Write the code:

```
import requests # Source: https://www.dataquest.io/blog/python-api-tutorial/

response = requests.get("http://api.open-notify.org/astros") # We fetch the data via REST API.

print(response.json()) # Print out received json data.

"""import json # Same thing but prints out line by line and makes the json more readable.

def printJson(json_file):

   text = json.dumps(json_file, sort_keys=True, indent=4)

   print(text)

printJson(response.json())"""
```

   c. Document and explain the code briefly:

I used https://www.dataquest.io/blog/python-api-tutorial/ to understand the code, what it should do, and how to use it. Since RESTful API/requests is pretty simple, it was basically copied, in a sense, because you only need 3 lines to make it work. I made a commented out part in case we want to "Beautify" the json for readability sake in the terminal, but if you open the JSON file in Chrome there should be a feature at the top left that lets you toggle and beautify it in the browser.

The code imports requests. Gets the json via GET (using requests library). And then printing out the json file.

The use of artificial intelligence tools in the present work

- No content generated by AI tools has been presented as my own work.

Sources:

1. Custer, C. (2024, March 19). *Python API tutorial: Getting started with APIs*. (Accessed: 12/10/2024) https://www.dataquest.io/blog/python-api-tutorial/