API to use for this assignment: https://openweathermap.org/api

Tasks

1. Take user input for latitude and longitude. Show the atmospheric pressure at 4am for the past 3 days. If you choose to build a script for command line execution, format the terminal output to be clearly readable. Write documentation about your code in the README file about the dependencies, logic of your code, and instructions to run the program.

2. Using the same API, propose a way to automatically check the predicted barometric pressure everyday and send an email if the pressure is predicted to fall below 995 Millibar during 6am to 6pm. You can suggest any services and APIs that would be required to accomplish this in the shortest time span. Explain in less than 300 words. You can submit a supporting sketch.

3. Use the Locus documentation here to create a sample JSON object for creating a batch of orders. You can skip all the optional fields. For the field that you do not understand, leave the value blank.

Time available
1 week from the time of receiving this assignment.

Submission format
Create a public repository that has:

1. A directory containing your source code for task 1 and the accompanying README

2. Text file for task 2. Titled Task2.txt

3. JSON file for task 3. Titled Task3.json

4. Supporting sketch in .png for task 2. Titled Task2.png [Optional]

Share the link to this repository with our recruiting team for evaluation within the available time.

Evaluation criteria:
Communication - How effectively you communicate about code through the documentation, and any comments.
Solution Design - How you decided to solve this problem.
Usability - Is it intuitive and easy to use? (We're not concerned with how it looks, just with how it works)

Note: This assignment is completely doable with the free-tier API key of openweathermap org.