SOFTEDGE INFOTECH PVT LTD
(Coding Assignment)
(Python Intern)

Timing : 1:00 Hrs

Coding Task
Call an Openweather api that to be consumed by your program, which is somewhat similar to weather app .
You have to use python to call that api and print the result in the given below structure.

INPUT:
City_name:

Output:
Latitude
Longitude
Temperature
City name
City State

API: An application programming interface, is a computing interface that defines interactions between multiple software intermediaries. It defines the kinds of calls or requests that can be made, how to make them, the data formats that should be used, the conventions to follow, etc.

Openweather API: OpenWeatherMap is an online service, owned by OpenWeather Ltd, that provides global weather data, including current weather data, forecasts, nowcasts and historical data, utilising meteorological broadcast services and raw data from airport weather stations, radar stations and other weather stations

API Documentation: Here

• You need to call the api with the authentication credential.
• You need to take the city input from the user and print the result in the format mentioned above.
• Please follow OOP's Structure.

NOTE:
• Find the API key in the same folder in the txt file named : key.txt
• Free version of api will have limited no of hits so use smartly.

Evaluation criteria:

• Completeness of functionality.
• Correctness under thorough testing.
• Performance and scalability of Code.
• Structure of code.
• Readability of code.

Expectation:

• We expect most functionality to be present with few bugs.
• We want to evaluate whether you will be able to work independently.
• We expect your submission to be strong in each of the evaluation criteria.
• Basically it should be something that can be used in a production application directly.