

Develop the Python Script

(Develop a Python script)

Date	04 November 2022
Team ID	PNT2022TMID19483
Project Name	Industry-specific intelligent fire management system
Maximum Marks	4 Marks

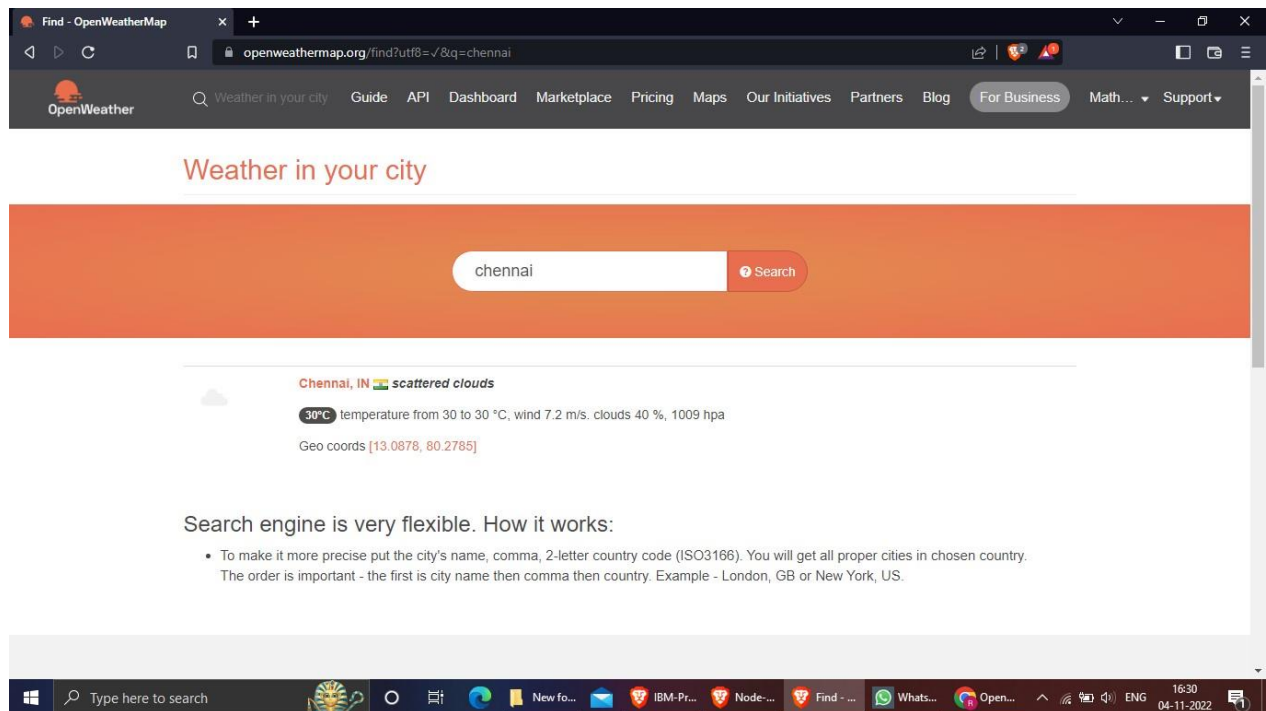
Industry-specific intelligent fire management system

Create a code snippet using python to

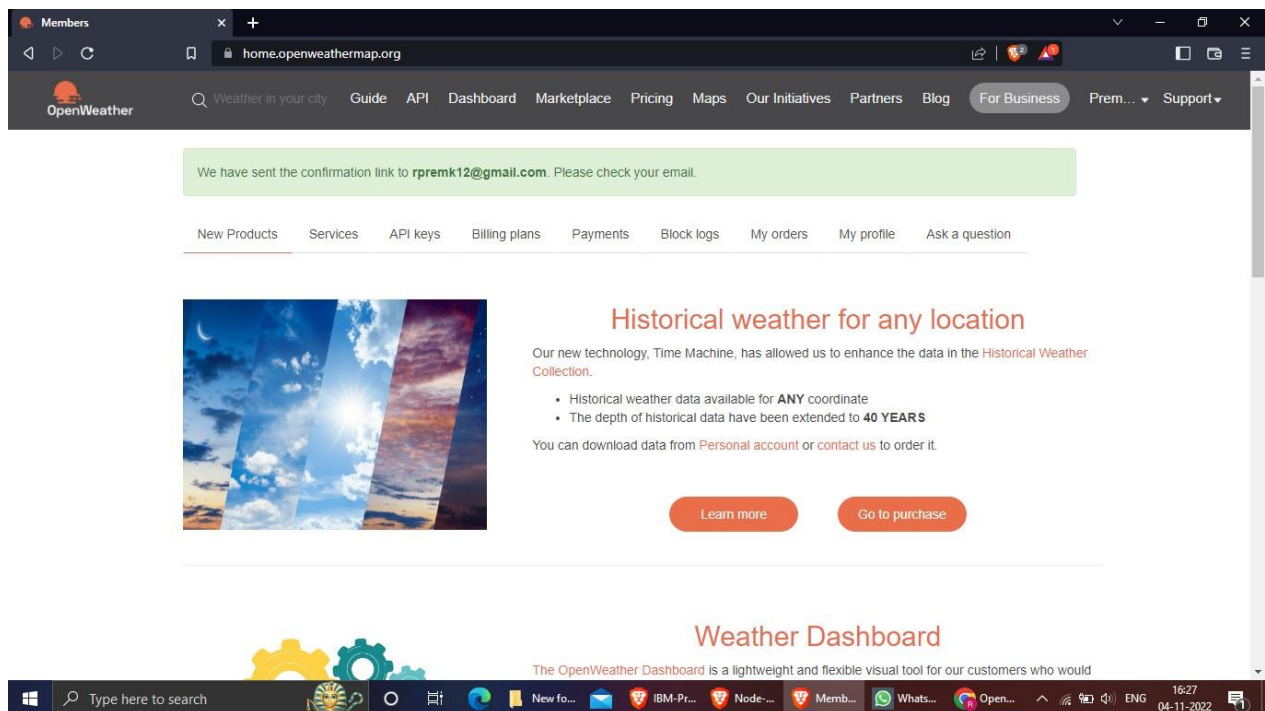
1. Extract weather data from OpenWeatherMap using APIs
2. Send the extracted data to the cloud
3. Receive data from the cloud and view it in the python compiler

MATHAVAN B:

The screenshot shows a web browser window with the URL `home.openweathermap.org`. A green confirmation banner at the top states: "We have sent the confirmation link to `mathavanvj15@gmail.com`. Please check your email." Below this is a navigation bar with links: New Products, Services, API keys, Billing plans, Payments, Block logs, My orders, My profile, Ask a question. The main content area features a section titled "Historical weather for any location" with a description of the "Time Machine" technology and a list of bullet points: "Historical weather data available for ANY coordinate" and "The depth of historical data have been extended to 40 YEARS". There are two buttons: "Learn more" and "Go to purchase". At the bottom, there is a "Weather Dashboard" section with a description: "The OpenWeather Dashboard is a lightweight and flexible visual tool for our customers who would". The Windows taskbar at the bottom shows the search bar, task view, and several open applications including "New fold...", "ci-pipelin...", "Node-RE...", "Members...", and "WhatsApp...". The system clock shows 13:09 on 04-11-2022.



PREM KUMAR R :



SATHISHKUMAR S :

Members x +


home.openweathermap.org

OpenWeather

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We have sent the confirmation link to sathishkumarfb152002@gmail.com. Please check your email.

New Products Services API keys Billing plans Payments Block logs My orders My profile Ask a question



Historical weather for any location

Our new technology, Time Machine, has allowed us to enhance the data in the [Historical Weather Collection](#).

- Historical weather data available for **ANY** coordinate
- The depth of historical data have been extended to **40 YEARS**

You can download data from [Personal account](#) or [contact us](#) to order it.

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Weather Dashboard

The OpenWeather Dashboard is a lightweight and flexible visual tool for our customers who would

Windows Taskbar: Type here to search, Screen..., IBM-Pr..., Node..., Memb..., Whats..., Open..., ENG, 16:31, 04-11-2022

YASVEEN ADITHYA B :

Members x +


home.openweathermap.org

OpenWeather

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We have sent the confirmation link to yasveenadithya@gmail.com. Please check your email.

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Weather Dashboard

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Windows Taskbar: Type here to search, Screen..., IBM-Pr..., Node..., Memb..., Whats..., Open..., ENG, 16:33, 04-11-2022

OUTPUT:

```
weatherMap.py - E:/IBM/pre/weatherMap.py (3.6.5)
File Edit Format Run Options Window Help

import requests
a = "https://api.openweathermap.org/data/2.5/weather?q=Chennai,IN&appid=6d13d12f9cd34a07871a5795d01e2c47"
r = requests.get(url = a)
data = r.json()
print(r)
print(data)
temp = data["main"]["temp"]
hum = data["main"]["humidity"]
print("Temperature is : ",temp)
print("Humidity is : ",hum)
```

```
Python 3.6.5 Shell
File Edit Shell Debug Options Window Help

<Response [200]>
Temperature is : 298.14
>>>

===== RESTART: E:/IBM/pre/weatherMap.py =====
=====
<Response [200]>
{'coord': {'lon': 80.2785, 'lat': 13.0878}, 'weather': [{'id': 701, 'main': 'Mist', 'description': 'mist', 'icon': '50n'}, {'id': 500, 'main': 'Rain', 'description': 'light rain', 'icon': '10n'}], 'base': 'stations', 'main': {'temp': 298.14, 'feels_like': 299.15, 'temp_min': 298.14, 'temp_max': 298.14, 'pressure': 1012, 'humidity': 94}, 'visibility': 2500, 'wind': {'speed': 1.54, 'deg': 350}, 'rain': {'1h': 0.12}, 'clouds': {'all': 75}, 'dt': 1667317416, 'sys': {'type': 1, 'id': 9218, 'country': 'IN', 'sunrise': 1667262751, 'sunset': 1667304738, 'timezone': 19800, 'id': 1264527, 'name': 'Chennai', 'cod': 200}
Temperature is : 298.14
Humidity is : 94
>>>
```

Ln: 10 Col: 26