

Develop the Python Script

(Develop a Python script)

Team ID	PNT2022TMID08358
Project Name	Industry-specific intelligent fire management system

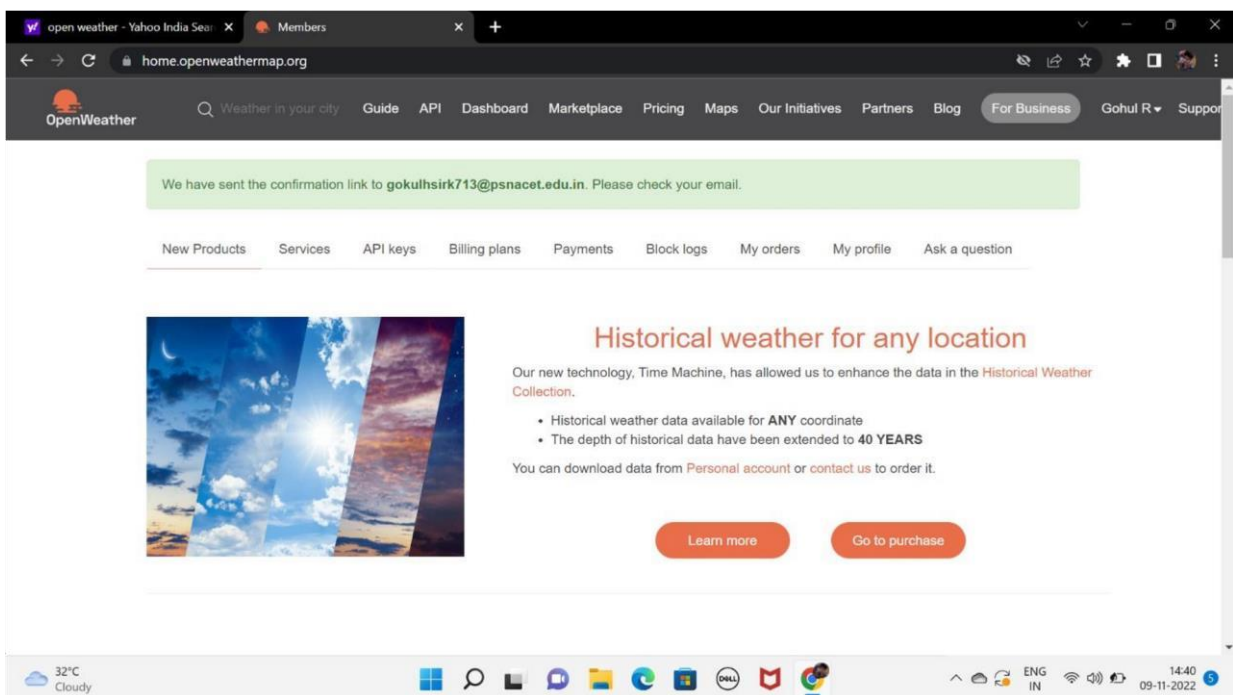
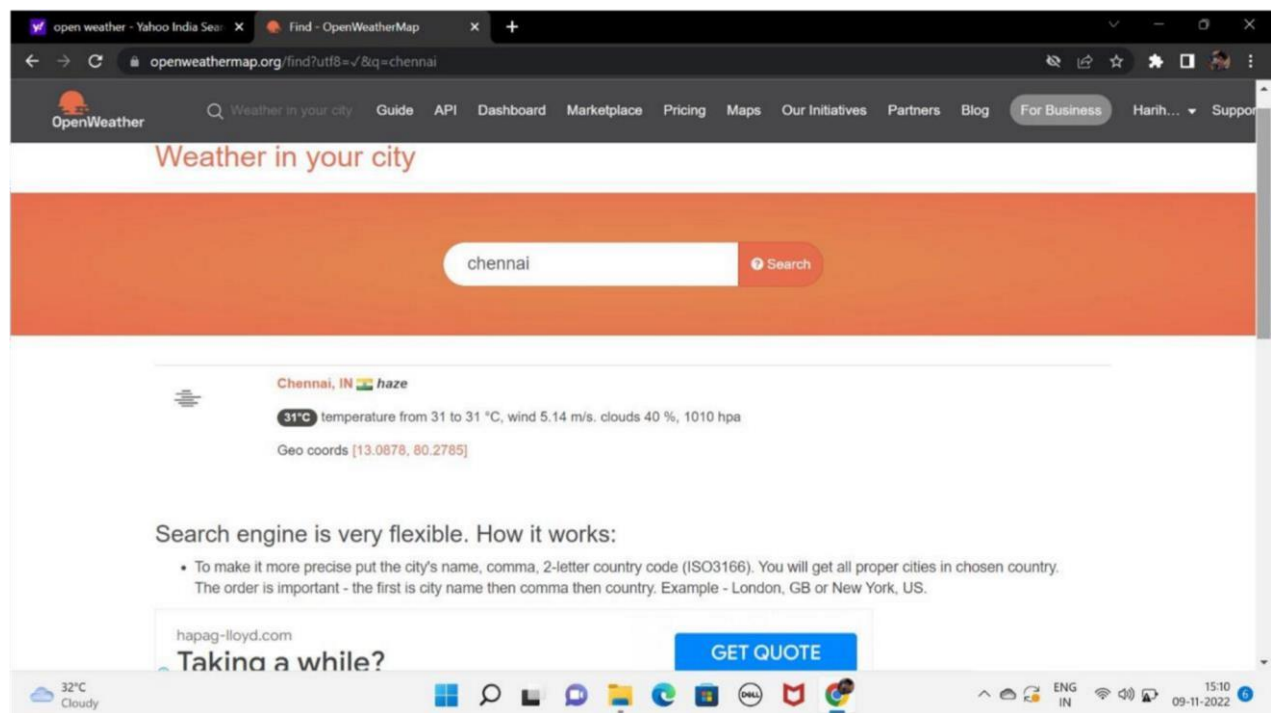
Industry-specific intelligent fire management system

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

The screenshot shows a web browser window with the OpenWeatherMap website. The address bar shows 'home.openweathermap.org'. A green confirmation banner at the top states: 'We have sent the confirmation link to hariharan07ananth@gmail.com. Please check your email.' Below this is a navigation menu with links: New Products, Services, API keys, Billing plans, Payments, Block logs, My orders, My profile, and Ask a question. The main content area features a banner for 'Historical weather for any location' with a background image of a sunset. The text on the banner reads: 'Our new technology, Time Machine, has allowed us to enhance the data in the Historical Weather Collection.' followed by two bullet points: '• Historical weather data available for ANY coordinate' and '• The depth of historical data have been extended to 40 YEARS'. Below the banner, it says 'You can download data from Personal account or contact us to order it.' and there are 'Learn more' and 'Go' buttons. A OneDrive notification box is visible on the right, stating 'Screenshot saved. The screenshot was added to your OneDrive.' The Windows taskbar at the bottom shows the date as 09-11-2022 and the time as 14:37.

preethi.R



Parwin

open weather - Yahoo India See Members

home.openweathermap.org

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We have sent the confirmation link to joshvav@psnacet.edu.in. Please check your email.

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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.

[Learn more](#)[Go to purchase](#)

32°C Cloudy



ENG IN

14:45 09-11-2022

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
>>>
```

sathya

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Learn more

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ENG IN 14:48 09-11-2022