

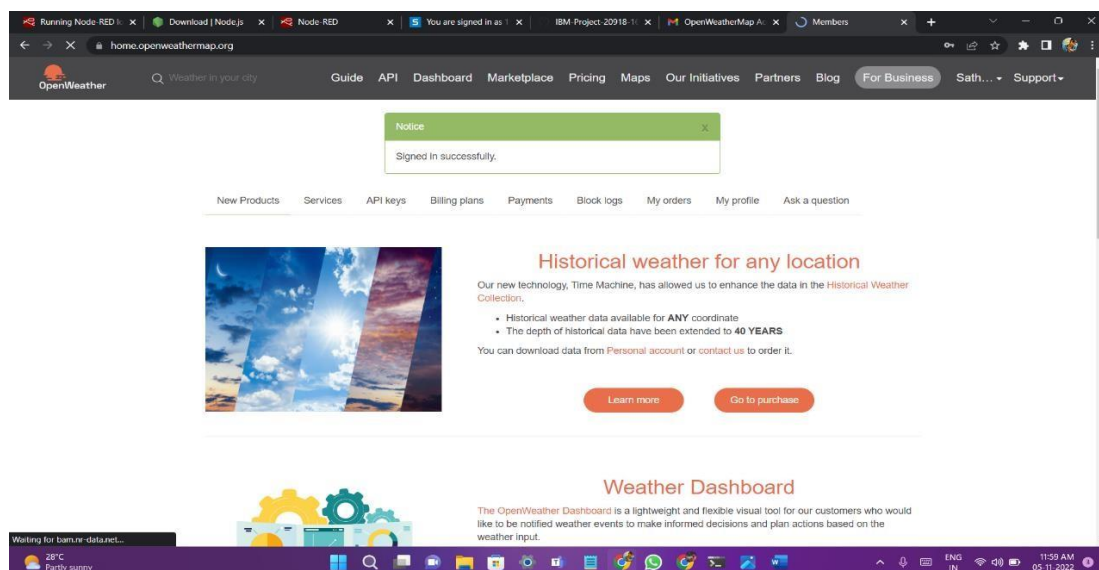
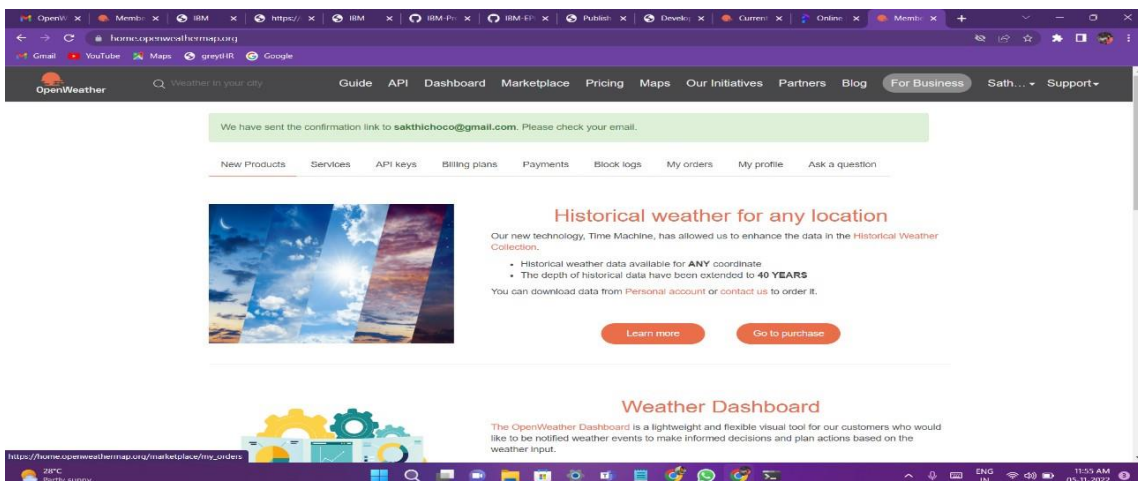
# Industry-specific intelligent fire management system

(Develop a Python Script)

Date	04 November 2022
Team ID	PNT2022TMID52559
Project Name	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



Running Node-RED | Download | Node.js | Node-RED | You are signed in as | IBM-Project-2019-1 | OpenWeatherMap | Current weather and |

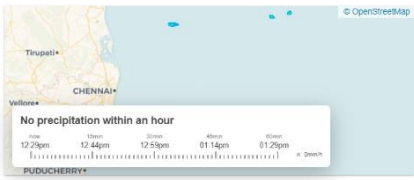
openweathermap.org/city/1264527

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Nov 5, 12:29pm  
**Chennai, IN**

**31°C**

Feels like 38°C. Mist. Gentle Breeze  
4.5 km/h ENE 1013 hPa  
Humidity: 74% UV: 10  
Dew point: 26°C Visibility: 5.0 km



**Hourly forecast**

11am 12pm 1pm 2pm 3pm 4pm 5pm 6pm 7pm 8pm

32°C  
30°C  
28°C  
26°C  
24°C

60% 50% 40% 40% 40% 1% 2%

**8-day forecast**

Date	Temperature	Weather
Sat, Nov 05	31 / 25°C	moderate rain
Sun, Nov 06	29 / 26°C	light rain
Mon, Nov 07	29 / 25°C	light rain
Tue, Nov 08	29 / 24°C	scattered clouds
Wed, Nov 09	28 / 25°C	light rain
Thu, Nov 10	28 / 25°C	light rain
Fri, Nov 11	23 / 21°C	very heavy rain

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28°C Partly sunny

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orthy/Downloads/Develop%20a%20python%20script%20(2).pdf

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4 / 4 | 153% |

**OUTPUT:**

```

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

```

**Python 3.6.5 Shell**

```

<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
>>>

```

12:22 PM 05-11-2022