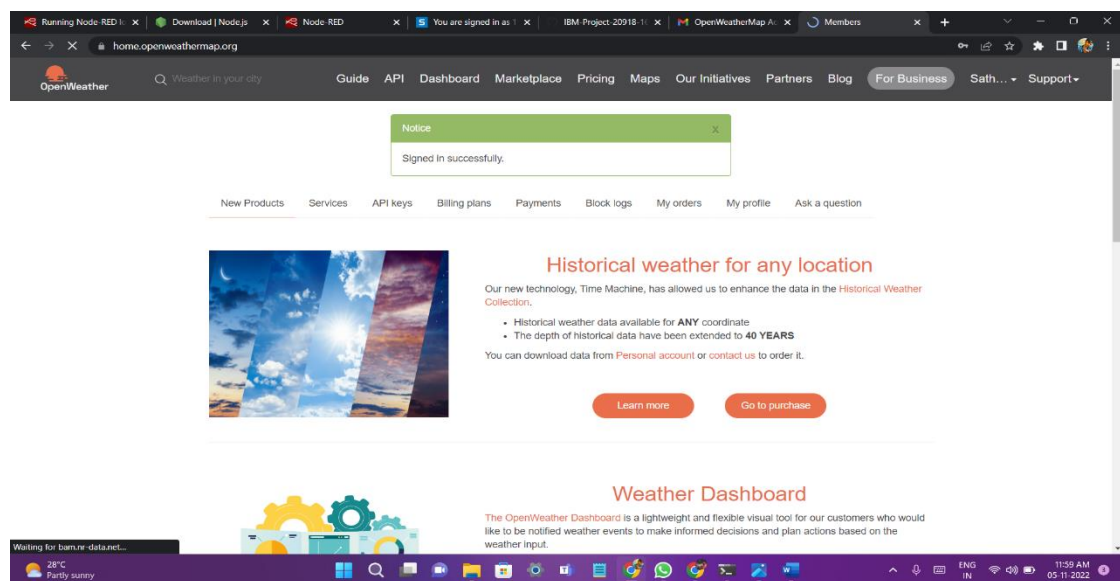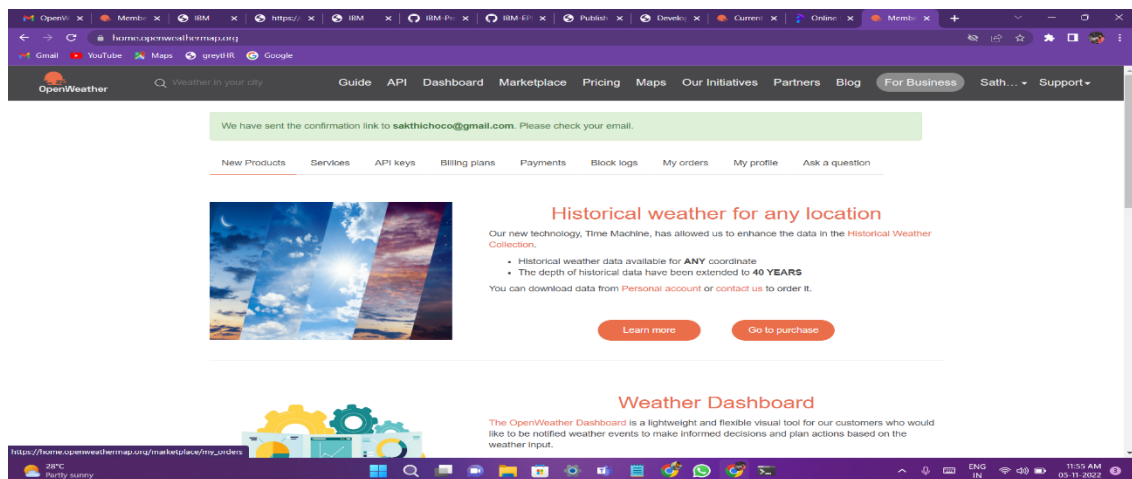# Industry-specific intelligent fire management system
(Develop a Python Script)

Date	04 November 2022
Team ID	PNT2022TMID42644
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

Nov 5, 12:29pm
Chennai, IN
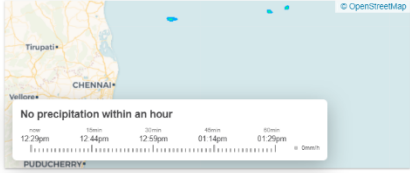
31°C

Feels like 38°C. Mist. Gentle Breeze

5.1m/s ENE   1013hPa
Humidity: 74%   UV: 10
Dew point: 26°C   Visibility: 5.0km

No precipitation within an hour

Hourly forecast

8-day forecast

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

OUTPUT:

```
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)
```

```
<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
>>>
```