

# Develop the Python Script

## (Develop a Python script)

**Team ID : PNT2022TMID06473**

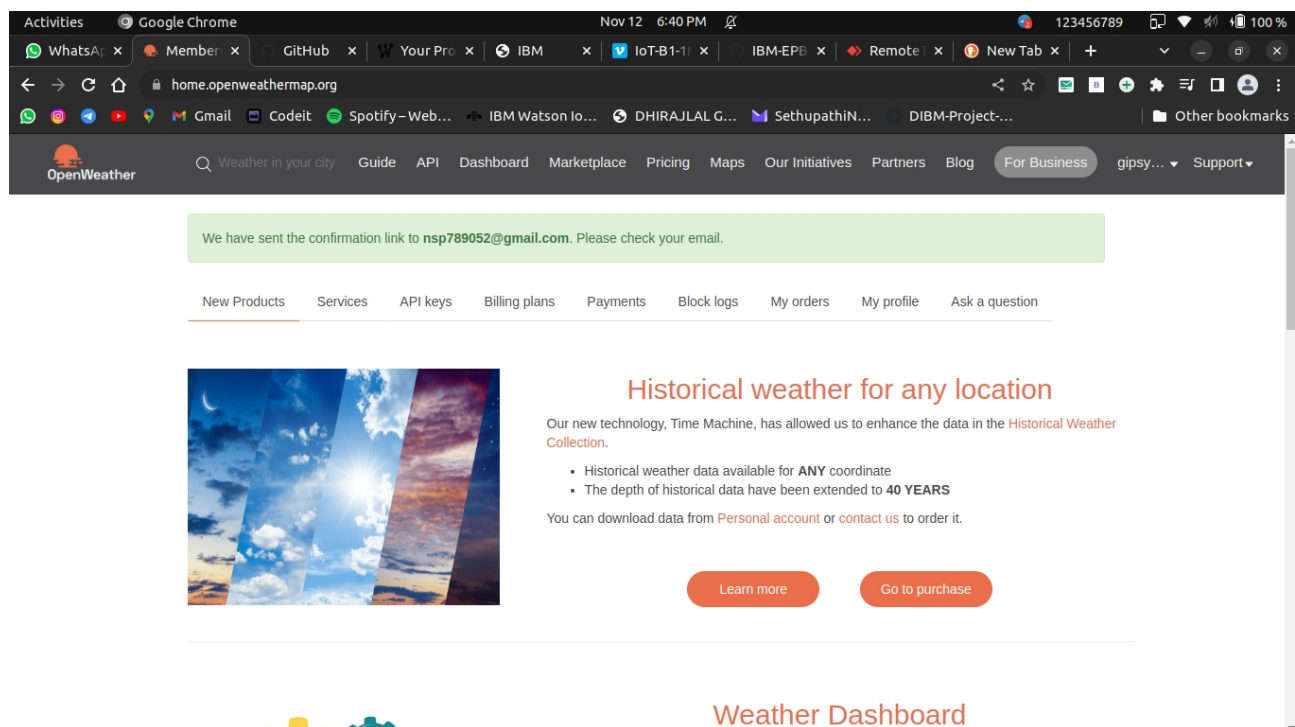
**IBM ID : IBM-Project-27050-1660044851**

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

## 1\*Team Member Weather account ID




Activities Google Chrome Nov 12 6:40 PM 123456789 100 %

home.openweathermap.org

We have sent the confirmation link to [nsp789052@gmail.com](mailto:nsp789052@gmail.com). Please check your email.

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 **Historical weather for any location**

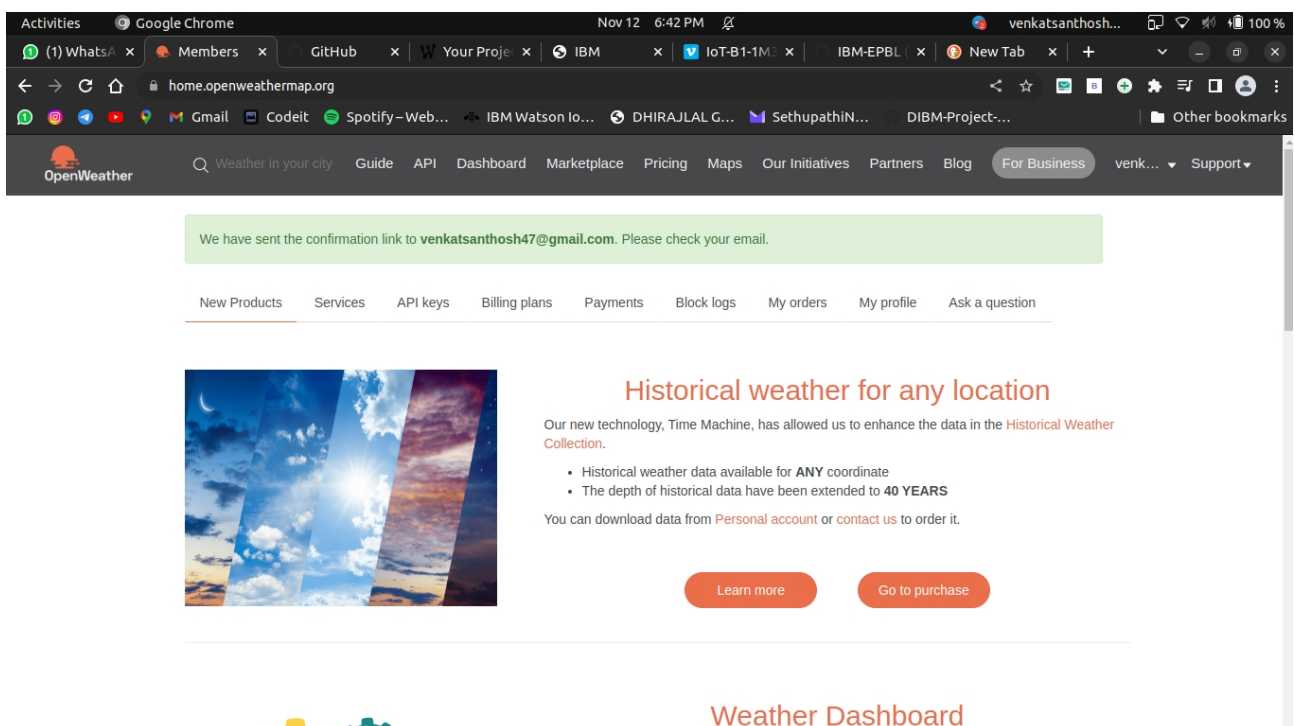
Our new technology, Time Machine, has allowed us to enhance the data in the [Historical Weather Collection](#).

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

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**Weather Dashboard**




Activities Google Chrome Nov 12 6:42 PM venkatsanthosh... 100 %

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**Weather Dashboard**

Activities Google Chrome Nov 12 7:13 PM prabuprithvi20...

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### Historical weather for any location

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## Weather Dashboard

Activities Google Chrome Nov 12 7:14 PM vinothkalam212...

home.openweathermap.org

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### Historical weather for any location

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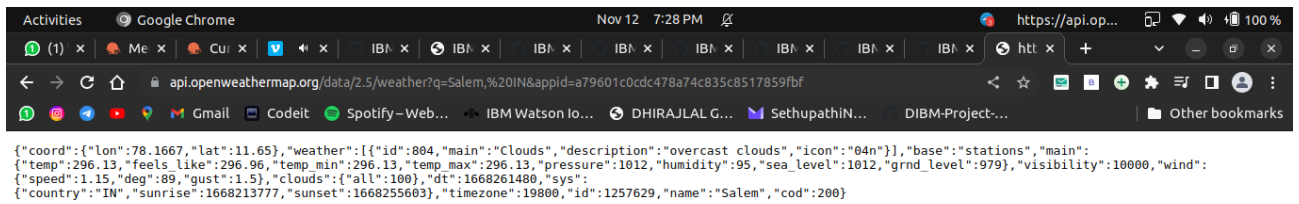
You can download data from [Personal account](#) or [contact us](#) to order it.

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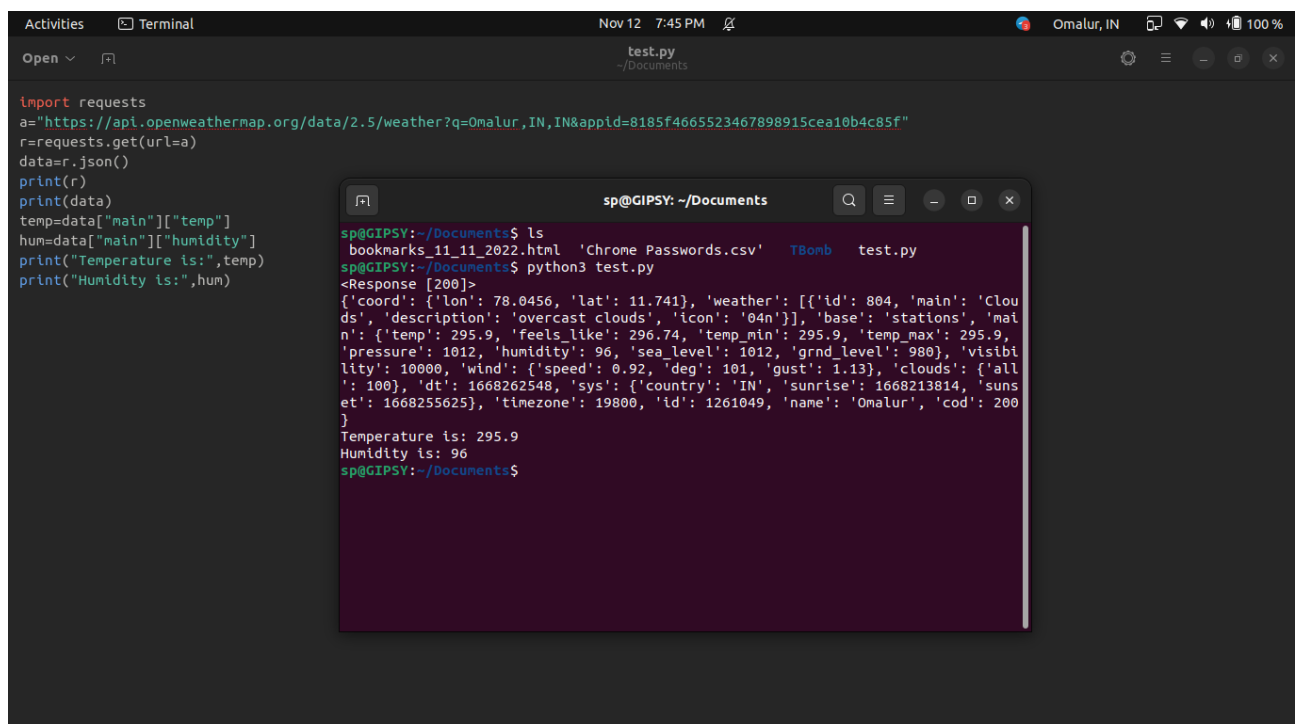


## Weather Dashboard

### 3\* python compiler



```
{
  "coord": {
    "lon": 78.1667,
    "lat": 11.65
  },
  "weather": [
    {
      "id": 804,
      "main": "Clouds",
      "description": "overcast clouds",
      "icon": "04n"
    }
  ],
  "base": "stations",
  "main": {
    "temp": 296.13,
    "feels_like": 296.96,
    "temp_min": 296.13,
    "temp_max": 296.13,
    "pressure": 1012,
    "humidity": 95,
    "sea_level": 1012,
    "grnd_level": 979,
    "visibility": 10000,
    "wind": {
      "speed": 1.15,
      "deg": 89,
      "gust": 1.5
    },
    "clouds": {
      "all": 100
    },
    "dt": 1668261480,
    "sys": {
      "country": "IN",
      "sunrise": 1668213777,
      "sunset": 1668255603,
      "timezone": 19800,
      "id": 1257629,
      "name": "Salem",
      "cod": 200
    }
  }
}
```



```
import requests
a="https://api.openweathermap.org/data/2.5/weather?q=Omalur,IN,IN&appid=8185f4665523467898915cea10b4c85f"
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)
```

```
sp@GIPSY: ~/Documents
ls
bookmarks_11_11_2022.html  Chrome Passwords.csv  TBonb  test.py
sp@GIPSY: ~/Documents$ python3 test.py
<Response [200]>
{'coord': {'lon': 78.0456, 'lat': 11.741}, 'weather': [{'id': 804, 'main': 'Clouds', 'description': 'overcast clouds', 'icon': '04n'}], 'base': 'stations', 'main': {'temp': 295.9, 'feels_like': 296.74, 'temp_min': 295.9, 'temp_max': 295.9, 'pressure': 1012, 'humidity': 96, 'sea_level': 1012, 'grnd_level': 980, 'visibility': 10000, 'wind': {'speed': 0.92, 'deg': 101, 'gust': 1.13}, 'clouds': {'all': 100}, 'dt': 1668262548, 'sys': {'country': 'IN', 'sunrise': 1668213814, 'sunset': 1668255625, 'timezone': 19800, 'id': 1261049, 'name': 'Omalur', 'cod': 200}}, 'temp': 295.9, 'humidity': 96
sp@GIPSY: ~/Documents$
```