Develop the Python Script
(Develop a Python script)

Team ID : PNT2022TMID07779

IBM ID : IBM-Project-31900-1660300084

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 accout ID

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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.

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Weather Dashboard

Screenshot 2

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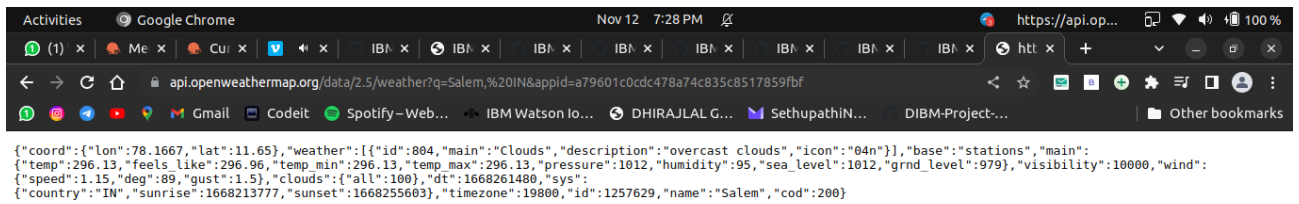## Weather Dashboard
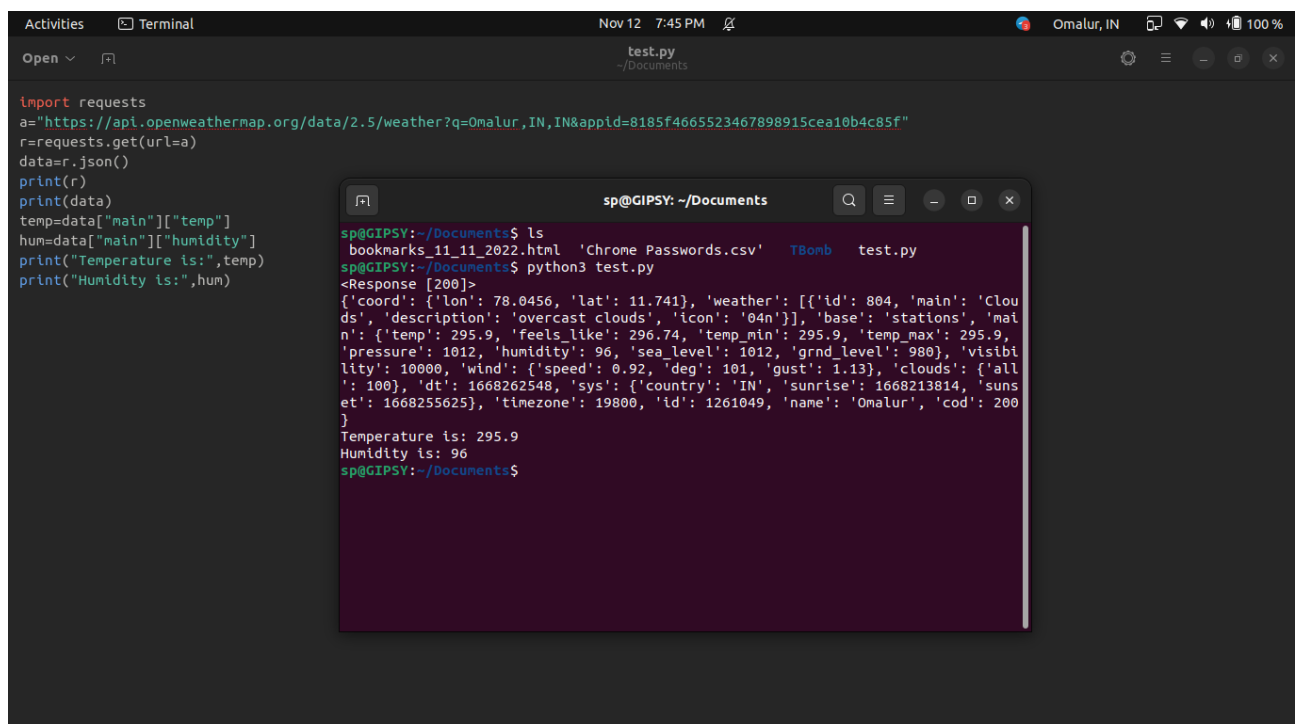
3* python compiler

{"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'   TBomb   test.py
sp@GIPSY:~/Documents$ python3 test.py
<Response [200]>
{'coord': {'lon': 78.0456, 'lat': 11.741}, 'weather': [{'id': 804, 'main': 'Clou
ds', 'description': 'overcast clouds', 'icon': '04n'}], 'base': 'stations', 'mai
n': {'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}, 'visibi
lity': 10000, 'wind': {'speed': 0.92, 'deg': 101, 'gust': 1.13}, 'clouds': {'all
': 100}, 'dt': 1668262548, 'sys': {'country': 'IN', 'sunrise': 1668213814, 'suns
et': 1668255625}, 'timezone': 19800, 'id': 1261049, 'name': 'Omalur', 'cod': 200
}
Temperature is: 295.9
Humidity is: 96
sp@GIPSY:~/Documents$