

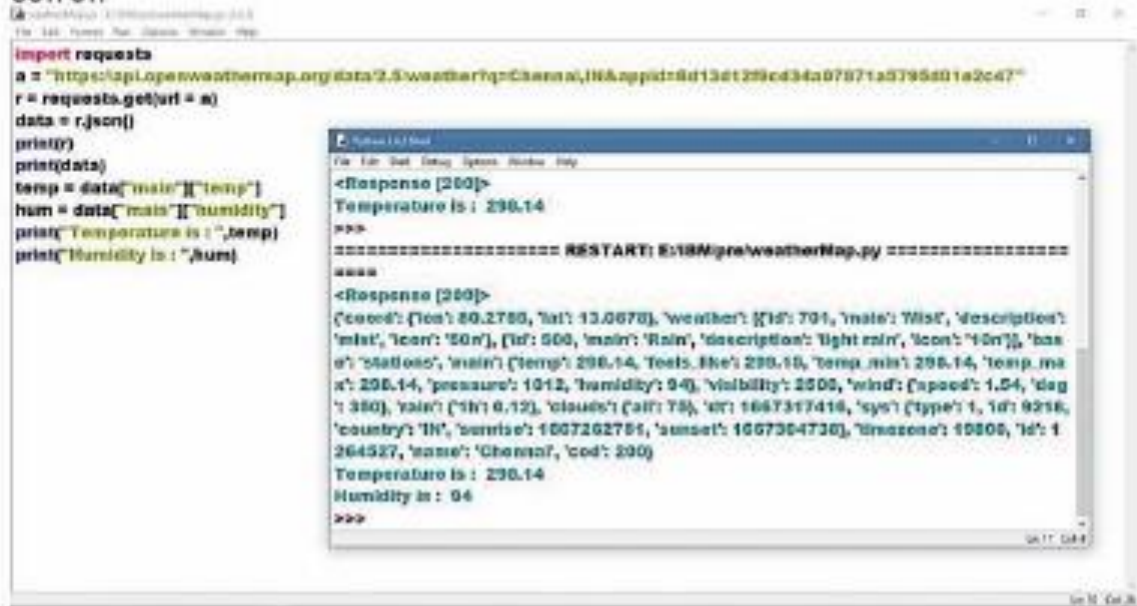
Develop the Python Script

Date	16 November 2022
Team ID	PNT2022TMID33937
Project Name	Industry-specific intelligent fire management system
Maximum Marks	8 Marks

Create a code snippet using python to

1. Extract weather data from Open Weather Map using APIs
2. Send the extracted data to the cloud
3. Receive data from the cloud and view it in the python compiler

OUTPUT:



The screenshot shows a Jupyter Notebook with a Python script on the left and its output on the right. The script imports the 'requests' library, defines a URL for the OpenWeatherMap API, sends a GET request, and prints the JSON response. The output window shows the raw JSON data and a formatted version of the weather data for Chennai.

```
import requests
a = "https://api.openweathermap.org/data/2.5/weather?q=Chennai,IN&appid=6d13et29ed34a97871a3795801a2c47"
r = requests.get(url = a)
data = r.json()
print()
print(data)
temp = data["main"]["temp"]
hum = data["main"]["humidity"]
print("Temperature is : ",temp)
print("Humidity is : ",hum)
```

===== RESTART: E:\BM\pnp\weatherMap.py =====
=====

```
<Response [200]>
Temperature is : 298.14
>>>

<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': {'station': 'main'} ('temp': 298.14, 'feels_like': 298.15, 'temp_min': 298.14, 'temp_max': 298.14, 'pressure': 1012, 'humidity': 94), 'visibility': 2500, 'wind': {'speed': 1.54, 'deg': 380}, 'rain': {'1h': 0.12}, 'clouds': {'all': 75}, 'dt': 1667317416, 'sys': {'type': 1, 'id': 9256, 'country': 'IN', 'sunrise': 1667262751, 'sunset': 1667364736}, 'timezone': 19800, 'id': 1264527, 'name': 'Chennai', 'cod': 200}
Temperature is : 298.14
Humidity is : 94
>>>
```