# **Develop A Python Script**

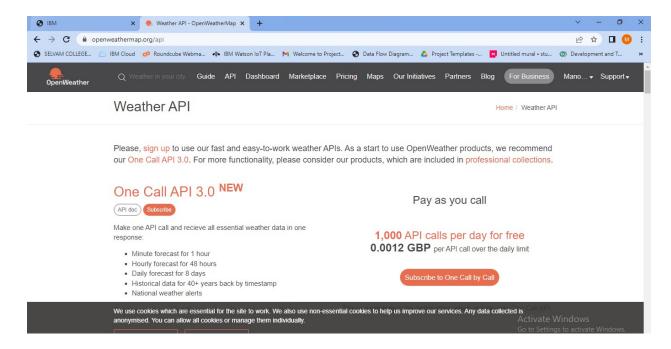
Date	12 September 2022
Team ID	PNT2022TMID41909
Project Name	Signs with Smart Connectivity for Better Road
	Safety
Maximum Marks	4 Marks

## **Signs with Smart Connectivity for Better Road Safety**

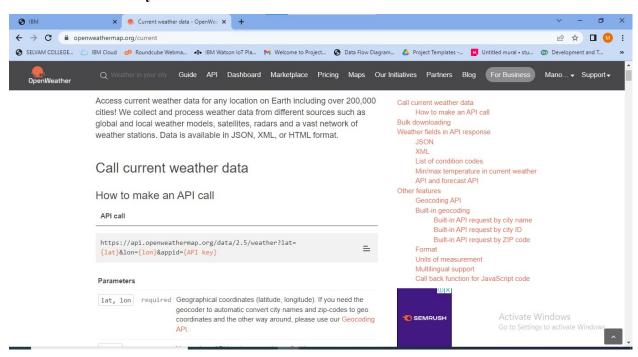
## Create a code snippet using python to

- Extract weather data from OpenWeatherMap using APIs
- Send the extracted data to the cloud
- Receive data from the cloud and view it in the python compiler

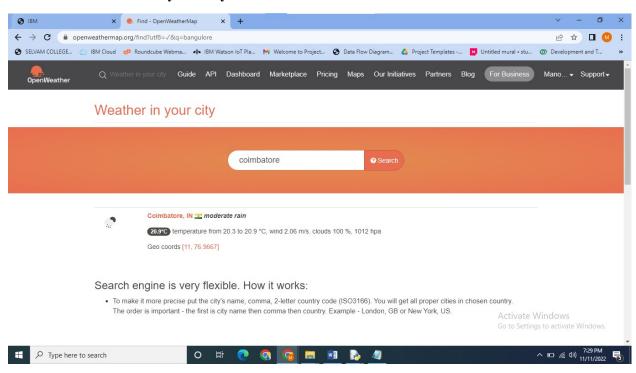
#### Weather API



### To make the API key Values

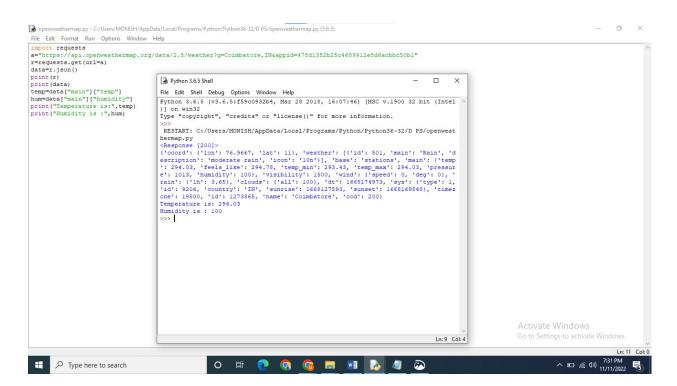


### Choose the Weather in your city---- Coimbatore



### **Python code:**

```
import requests
a="https://api.openweathermap.org/data/2.5/weather?q=Coimbatore,IN&appid=478d1352b25c4
689912e8d6acbbc50b1"
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)
```



```
Output:
Python 3.6.5 Shell
                                                                                ×
File Edit Shell Debug Options Window Help
Python 3.6.5 (v3.6.5:f59c0932b4, Mar 28 2018, 16:07:46) [MSC v.1900 32 bit (Intel ^
)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
RESTART: C:/Users/MONISH/AppData/Local/Programs/Python/Python36-32/D PS/openweat
hermap.py
<Response [200]>
{'coord': {'lon': 76.9667, 'lat': 11}, 'weather': [{'id': 501, 'main': 'Rain', 'd
escription': 'moderate rain', 'icon': '10n'}], 'base': 'stations', 'main': {'temp
': 294.03, 'feels_like': 294.78, 'temp_min': 293.43, 'temp_max': 294.03, 'pressur
e': 1013, 'humidity': 100}, 'visibility': 1500, 'wind': {'speed': 0, 'deg': 0}, '
rain': {'lh': 3.65}, 'clouds': {'all': 100}, 'dt': 1668174973, 'sys': {'type': 1,
'id': 9206, 'country': 'IN', 'sunrise': 1668127593, 'sunset': 1668169548}, 'timez one': 19800, 'id': 1273865, 'name': 'Coimbatore', 'cod': 200}
Temperature is: 294.03
Humidity is: 100
>>>
```