Develop A Python Script

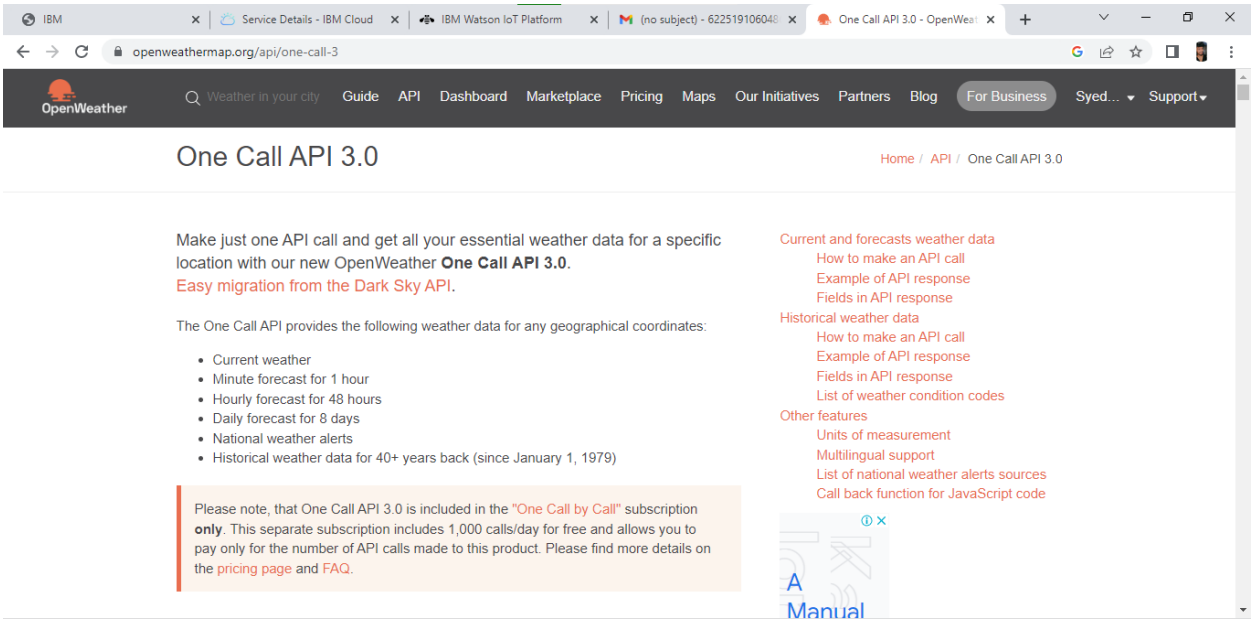
Date	12 September 2022
Team ID	PNT2022TMID41963
Project Name	Signs with Smart Connectivity for Better Road Safety
Maximum Marks	4 Marks

Signs with Smart Connectivity for Better Road Safety

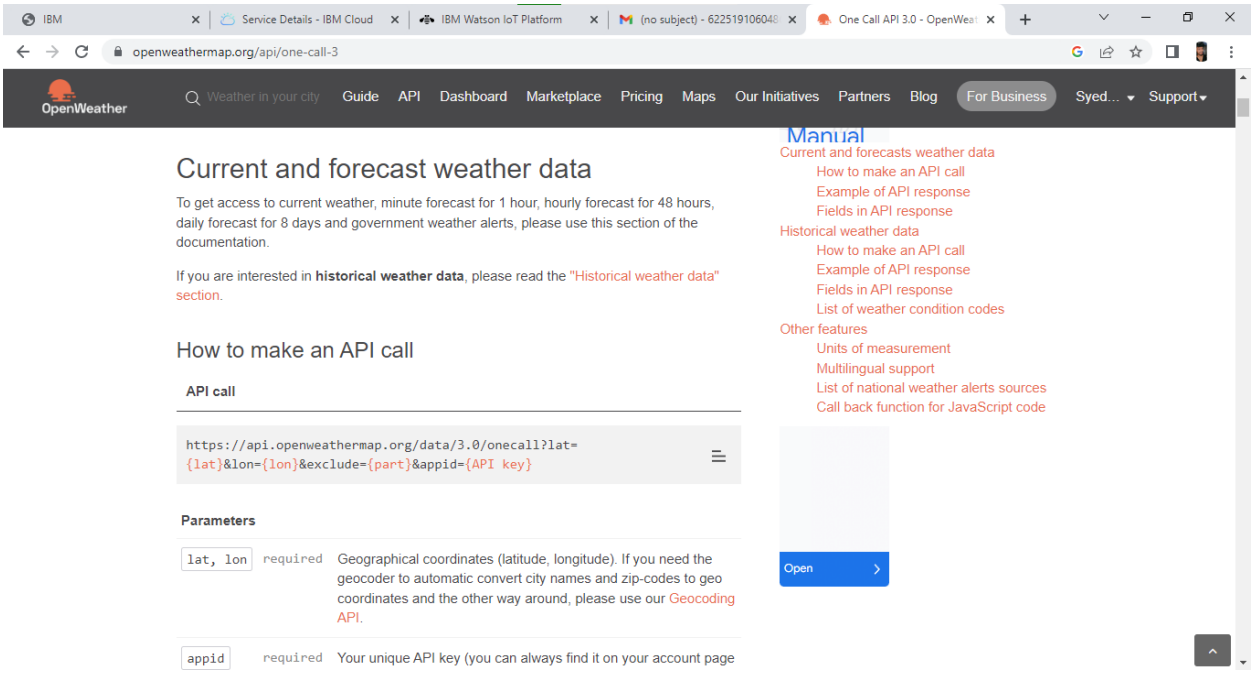
Create a code snippet using python to

- 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

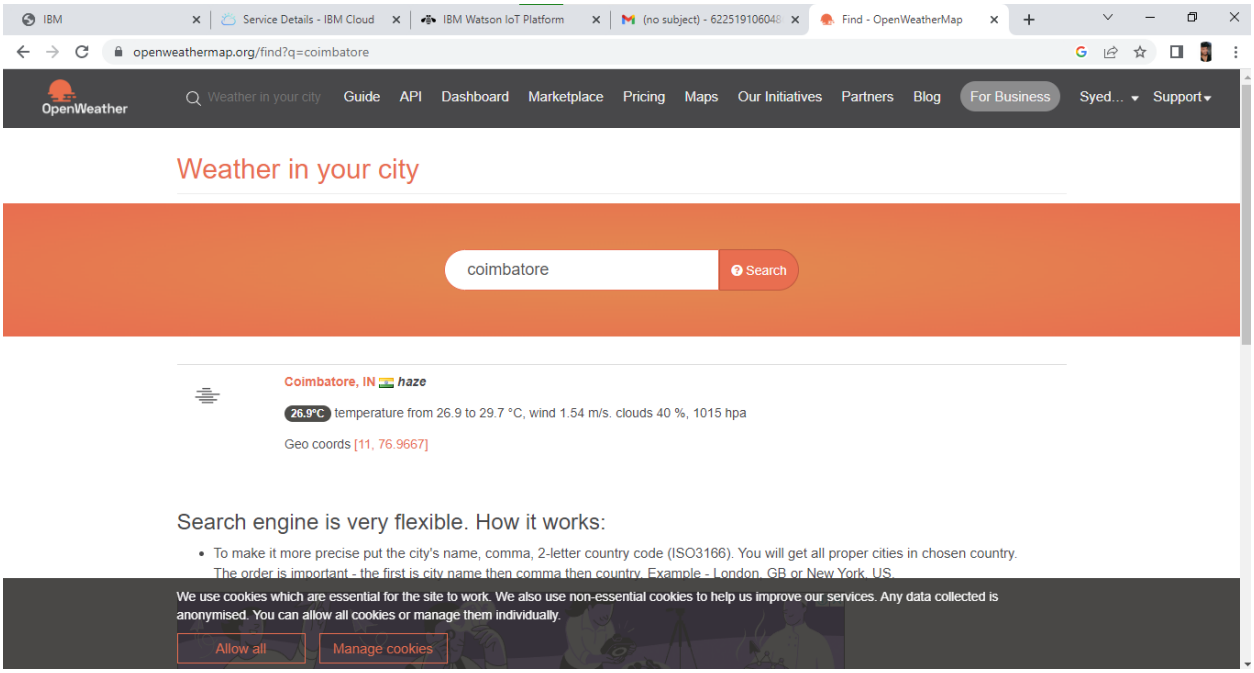
Weather API



To make the API key Values



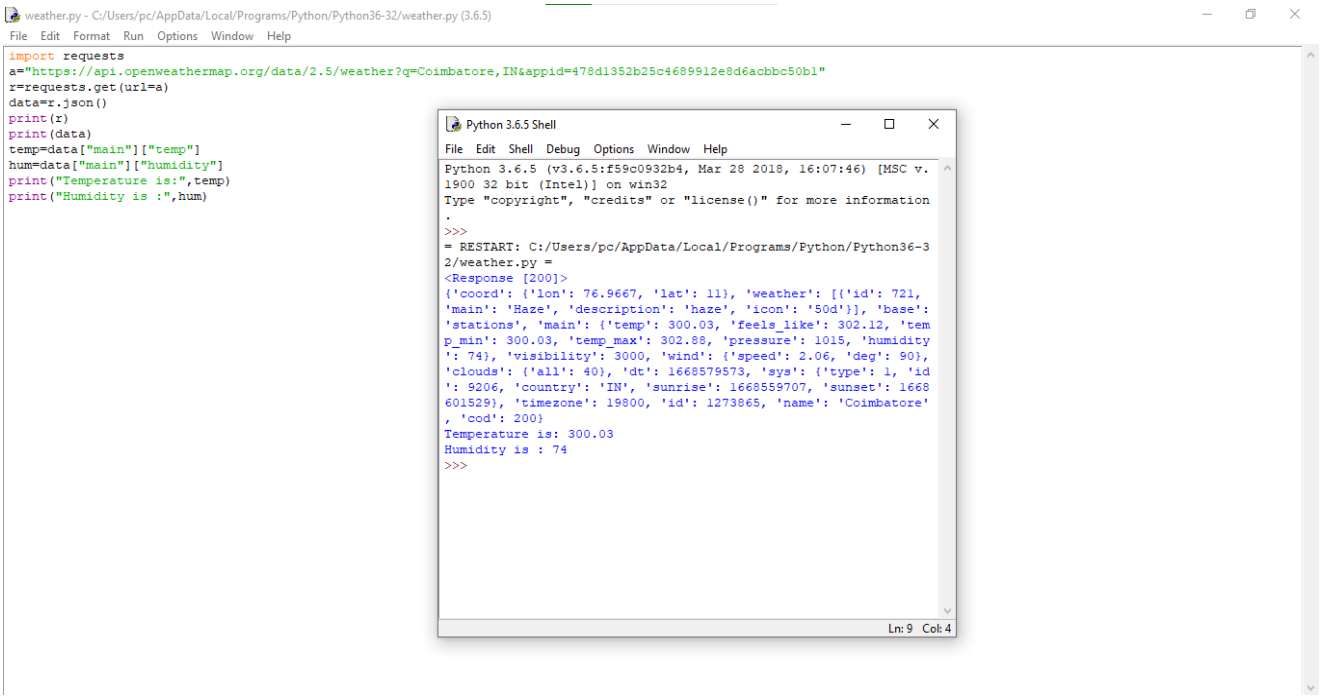
Choose the Weather in your city---- Coimbatore



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 (Inte
l)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/pc/AppData/Local/Programs/Python/Python36-32/weather.py =
<Response [200]>
{'coord': {'lon': 76.9667, 'lat': 11}, 'weather': [{'id': 721, 'main': 'Haze', '
description': 'haze', 'icon': '50d'}], 'base': 'stations', 'main': {'temp': 300.
03, 'feels_like': 302.12, 'temp_min': 300.03, 'temp_max': 302.88, 'pressure': 10
15, 'humidity': 74}, 'visibility': 3000, 'wind': {'speed': 2.06, 'deg': 90}, 'cl
ouds': {'all': 40}, 'dt': 1668579573, 'sys': {'type': 1, 'id': 9206, 'country':
'IN', 'sunrise': 1668559707, 'sunset': 1668601529}, 'timezone': 19800, 'id': 127
3865, 'name': 'Coimbatore', 'cod': 200}
Temperature is: 300.03
Humidity is : 74
>>>