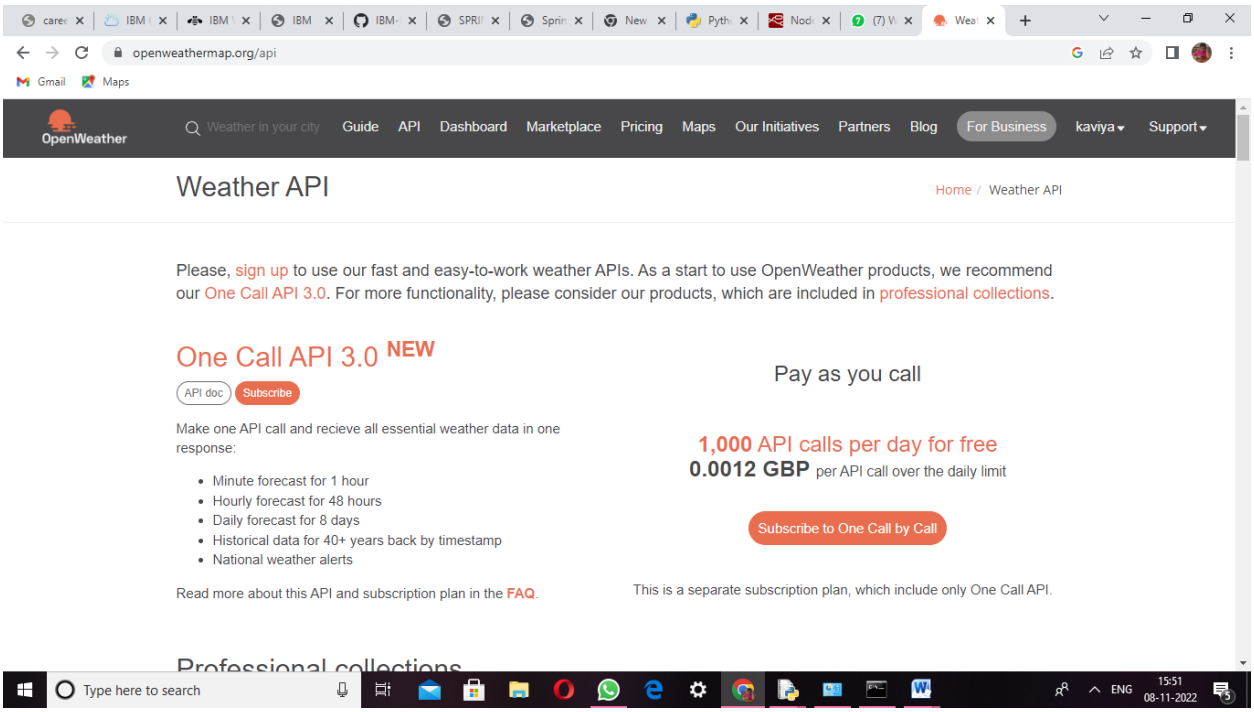
DEVELOP A PYTHON SCRIPT

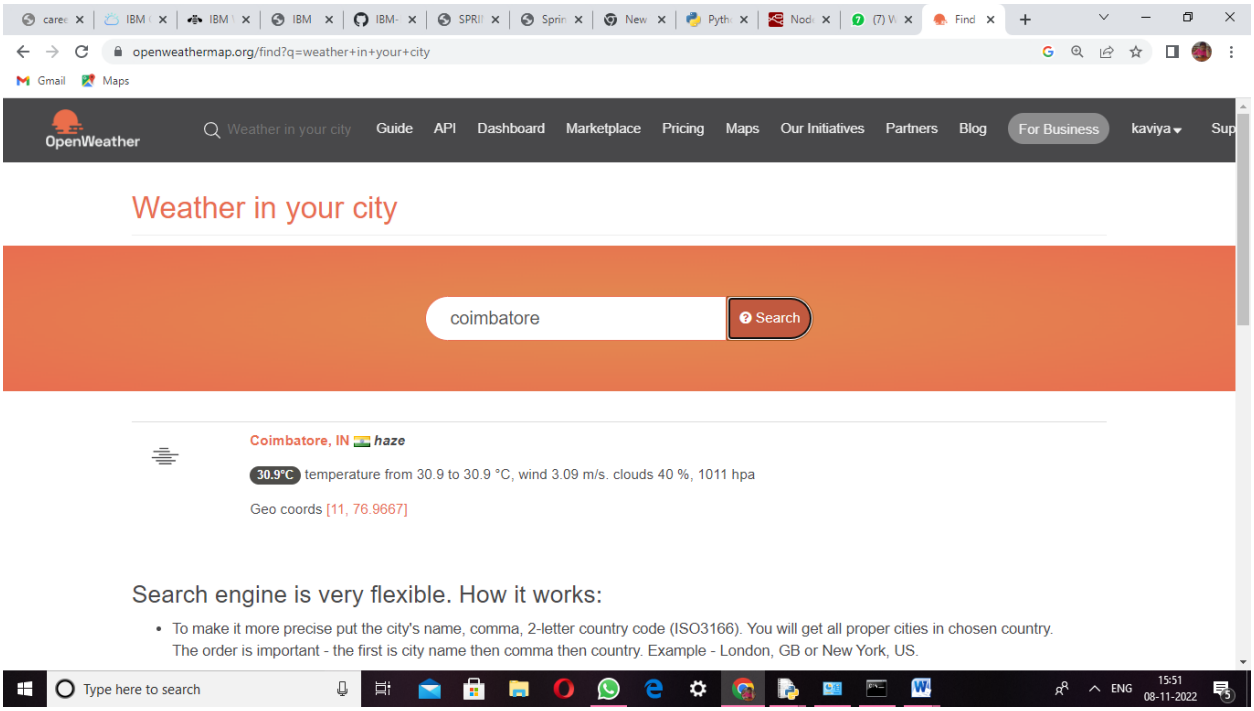
Date	31 october 2022
Team Id	PNT2022TMID42771
Project Name	Project - Signs with smart connectivity for Better road safety

Signs with smart connectivity for Better road safety

Create a code snippet using python to

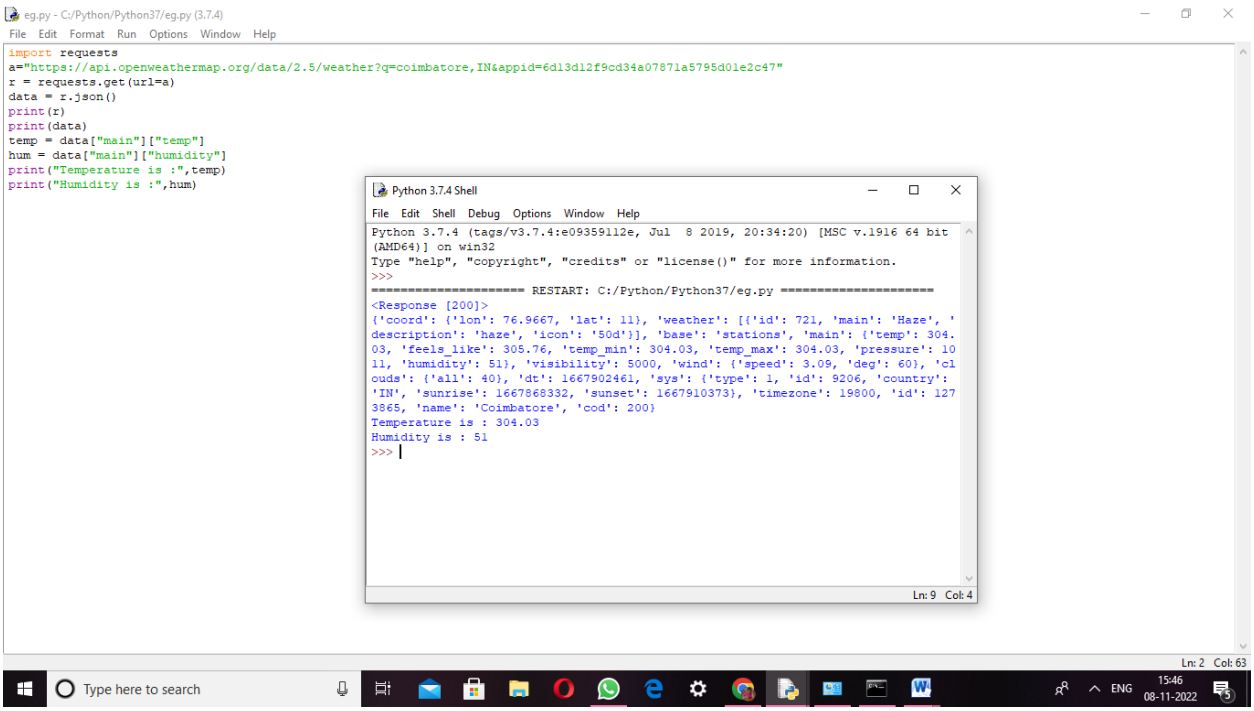
1. Extract weather data from OpenWeatherMap using APIs
2. Send the extracted data to the cloud
3. Receive data from the cloud and view it in the python compiler





Code :

```
import requests
a="https://openweathermap.org/weathermap?basemap=map&cities=true&layer=temperature&lat=13.0878&lon=80.2785&zoom=12"
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)
```


eg.py - C:/Python/Python37/eg.py (3.7.4)
File Edit Format Run Options Window Help
import requests
a="https://api.openweathermap.org/data/2.5/weather?q=coimbatore,IN&appid=6d13d12f9cd34a07871a5795d01e2c47"
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)
Python 3.7.4 Shell
File Edit Shell Debug Options Window Help
Python 3.7.4 (tags/v3.7.4:e09359112e, Jul 8 2019, 20:34:20) [MSC v.1916 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:/Python/Python37/eg.py ==========
<Response [200]>
{'coord': {'lon': 76.9667, 'lat': 11}, 'weather': [{'id': 721, 'main': 'Haze', 'description': 'haze', 'icon': '50d'}], 'base': 'stations', 'main': {'temp': 304.03, 'feels_like': 305.76, 'temp_min': 304.03, 'temp_max': 304.03, 'pressure': 1011, 'humidity': 51}, 'visibility': 5000, 'wind': {'speed': 3.09, 'deg': 60}, 'clouds': {'all': 40}, 'dt': 1667902461, 'sys': {'type': 1, 'id': 9206, 'country': 'IN', 'sunrise': 1667868332, 'sunset': 1667910373}, 'timezone': 19800, 'id': 1273865, 'name': 'Coimbatore', 'cod': 200}
Temperature is : 304.03
Humidity is : 51
>>>
Ln: 9 Col: 4
Ln: 2 Col: 63
Type here to search
ENG
15:46
08-11-2022