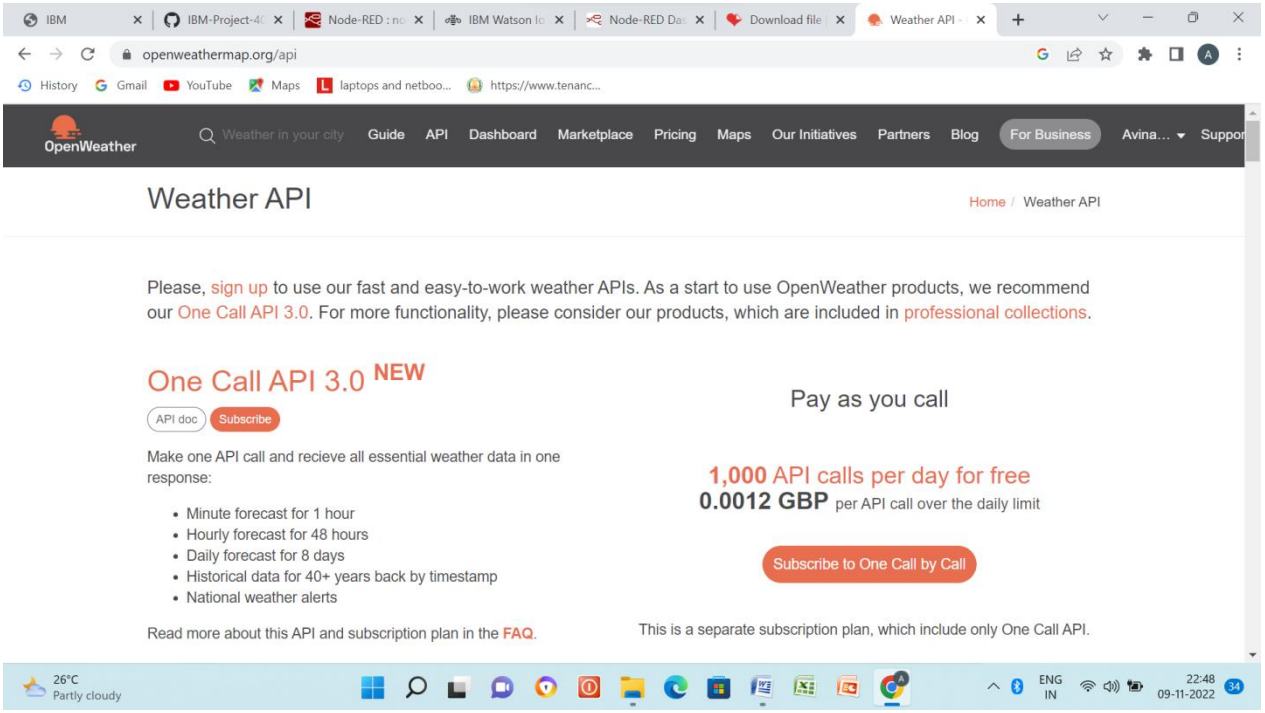
DEVELOP A PYTHON SCRIPT

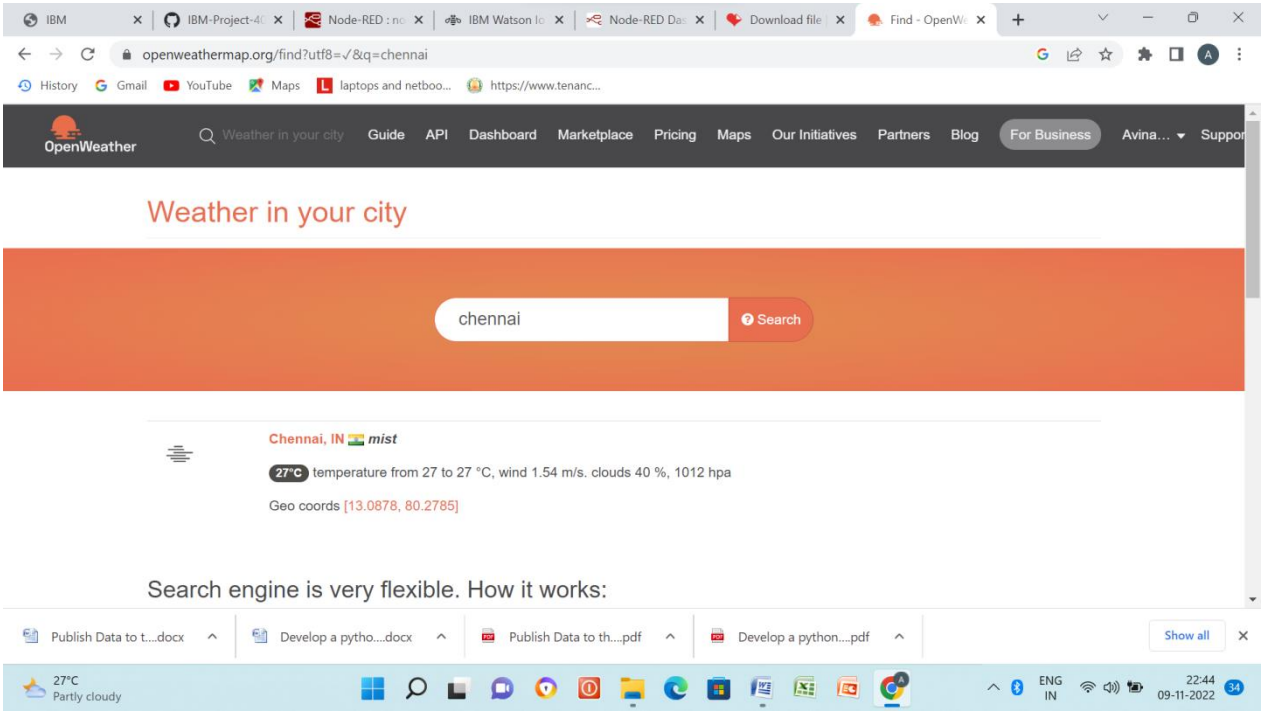
Date	**09 November 2022**
Team ID	**PNT2022TMID00948**
Project Name	**Project - Signs with smart connectivity for Better road safety**

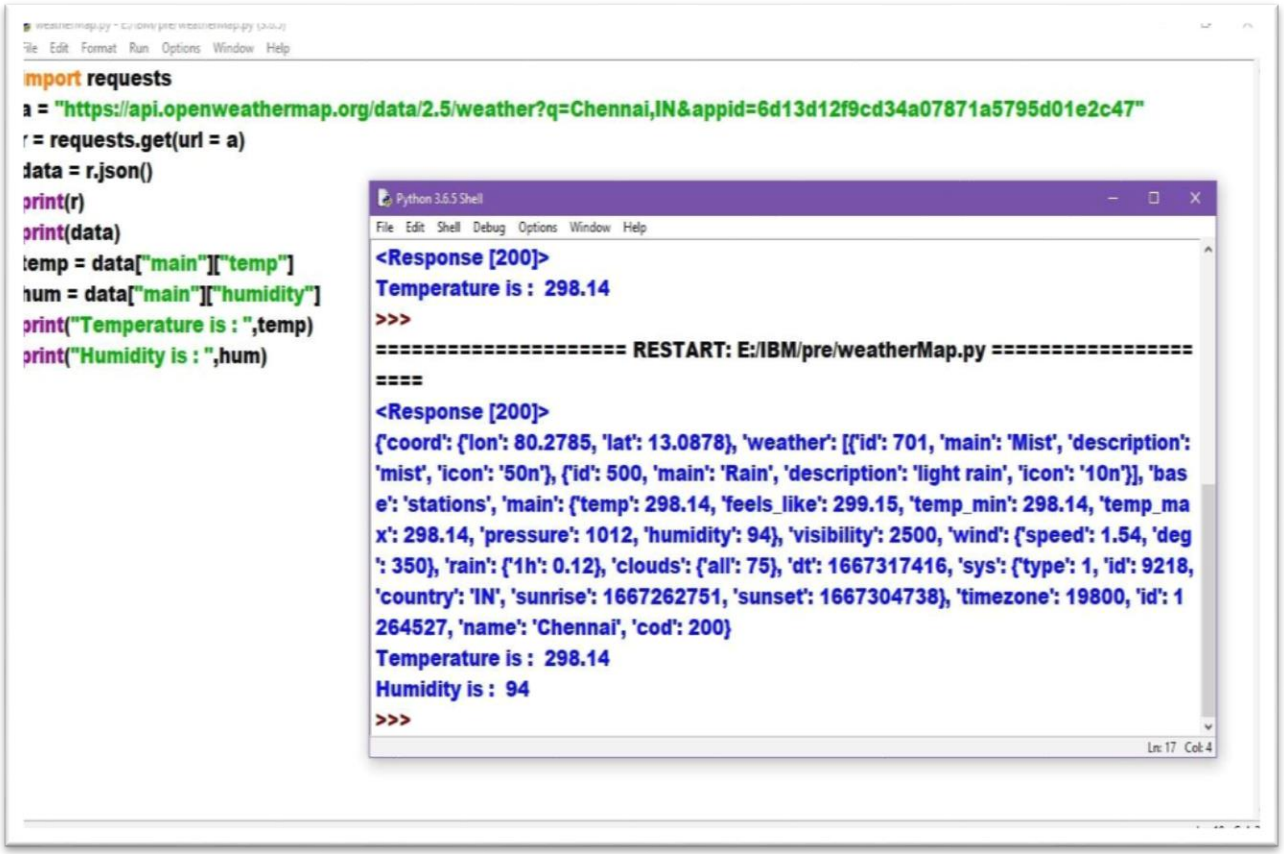
Signs with smart connectivity for Better road safety:

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




openweathermap.org/find?utf8=✓&q=chennai
OpenWeather
Weather in your city
Guide
API
Dashboard
Marketplace
Pricing
Maps
Our Initiatives
Partners
Blog
For Business
Weather in your city
chennai
Search
Chennai, IN mist
27°C temperature from 27 to 27 °C, wind 1.54 m/s. clouds 40 %, 1012 hpa
Geo coords [13.0878, 80.2785]
Search engine is very flexible. How it works:
Publish Data to t....docx
Develop a pytho....docx
Publish Data to th....pdf
Develop a python....pdf
Show all
27°C
Partly cloudy
ENG
IN
22:44
09-11-2022


File Edit Format Run Options Window Help
import requests
a = "https://api.openweathermap.org/data/2.5/weather?q=Chennai,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 3.6.5 Shell
File Edit Shell Debug Options Window Help
<Response [200]>
Temperature is : 298.14
>>>
========== RESTART: E:/IBM/pre/weatherMap.py ==========
<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': 'stations', 'main': {'temp': 298.14, 'feels_like': 299.15, 'temp_min': 298.14, 'temp_max': 298.14, 'pressure': 1012, 'humidity': 94}, 'visibility': 2500, 'wind': {'speed': 1.54, 'deg': 350}, 'rain': {'1h': 0.12}, 'clouds': {'all': 75}, 'dt': 1667317416, 'sys': {'type': 1, 'id': 9218, 'country': 'IN', 'sunrise': 1667262751, 'sunset': 1667304738}, 'timezone': 19800, 'id': 1264527, 'name': 'Chennai', 'cod': 200}
Temperature is : 298.14
Humidity is : 94
>>>
Ln: 17 Col: 4