Develop a Python script
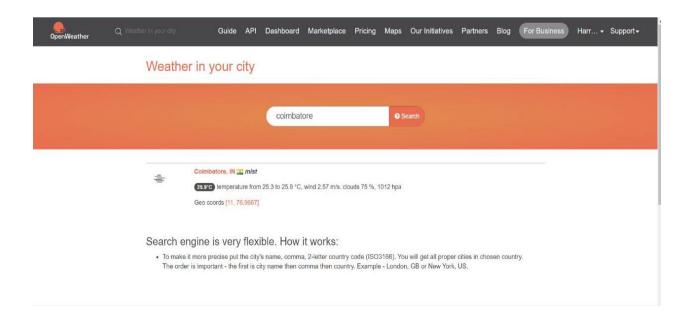
Date	31 October 2022
Team ID	PNT2022TMID52810
Project Name	Project - Signs with smart connectivity for Better road safety

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

```python
import requests, json
URL= "https://api.openweathermap.org/data/2.5/weather?q=Coimbatore,%20IN&appid=9
CITY = "Coimbatore"
#HTTP request
response = requests.get(URL)
# checking the status code of the request
if response.status_code == 200:
    # getting data in the json format
    data = response.json()
    # getting the main dict block
    main = data['main']
    # getting temperature
    temperature = main['temp']
    # getting the humidity
    humidity = main['humidity']
    # getting the pressure
    pressure = main['pressure']
    # weather report
    report = data['weather']
    print(f"{CITY:-^30}")
    print(f"Temperature: {temperature}")
    print(f"Humidity: {humidity}")
    print(f"Pressure: {pressure}")
    print(f"Weather Report: {report[0]['description']}")
else:
    # showing the error message
    print("Error in the HTTP request")
```

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```
Python 3.11.0 (main, Oct 24 2022, 18:26:48) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: C:\Users\Welcome\AppData\Local\Programs\Python\Python311\open.py ==
----------Coimbatore----------
Temperature: 299.03
Humidity: 78
Pressure: 1012
Weather Report: mist
>>>
```