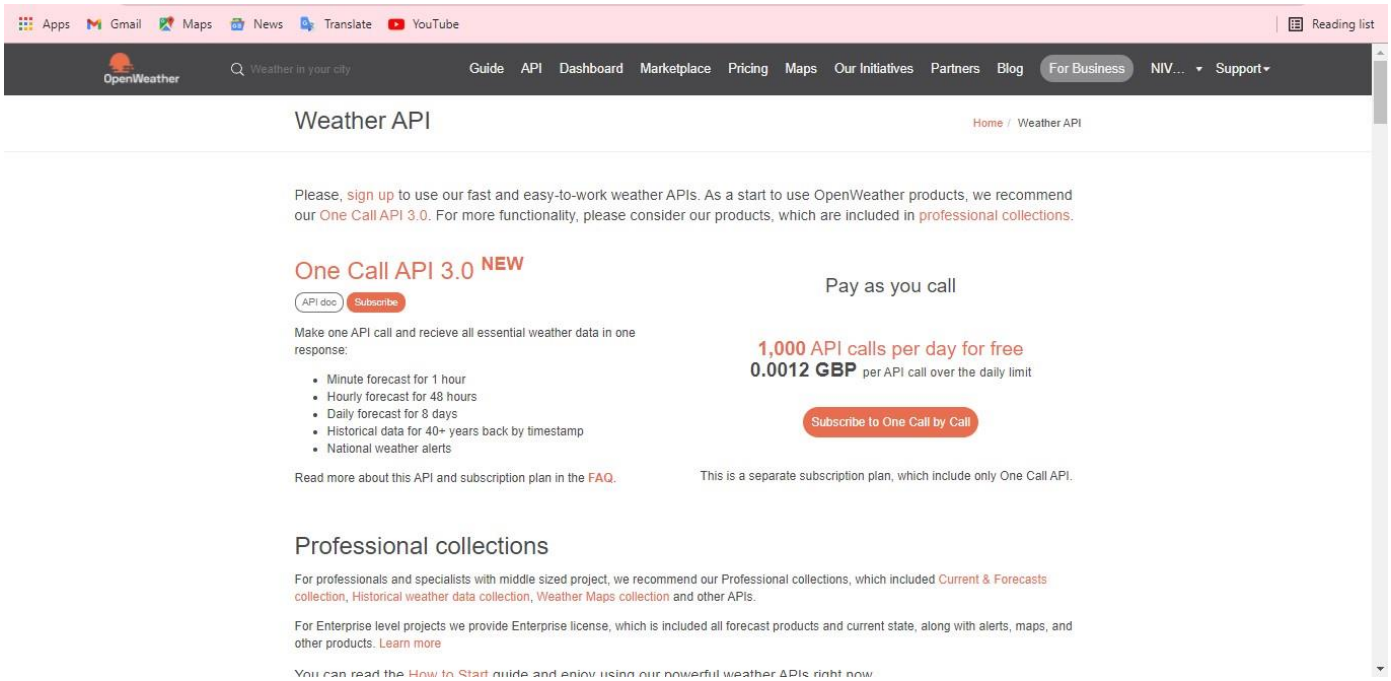
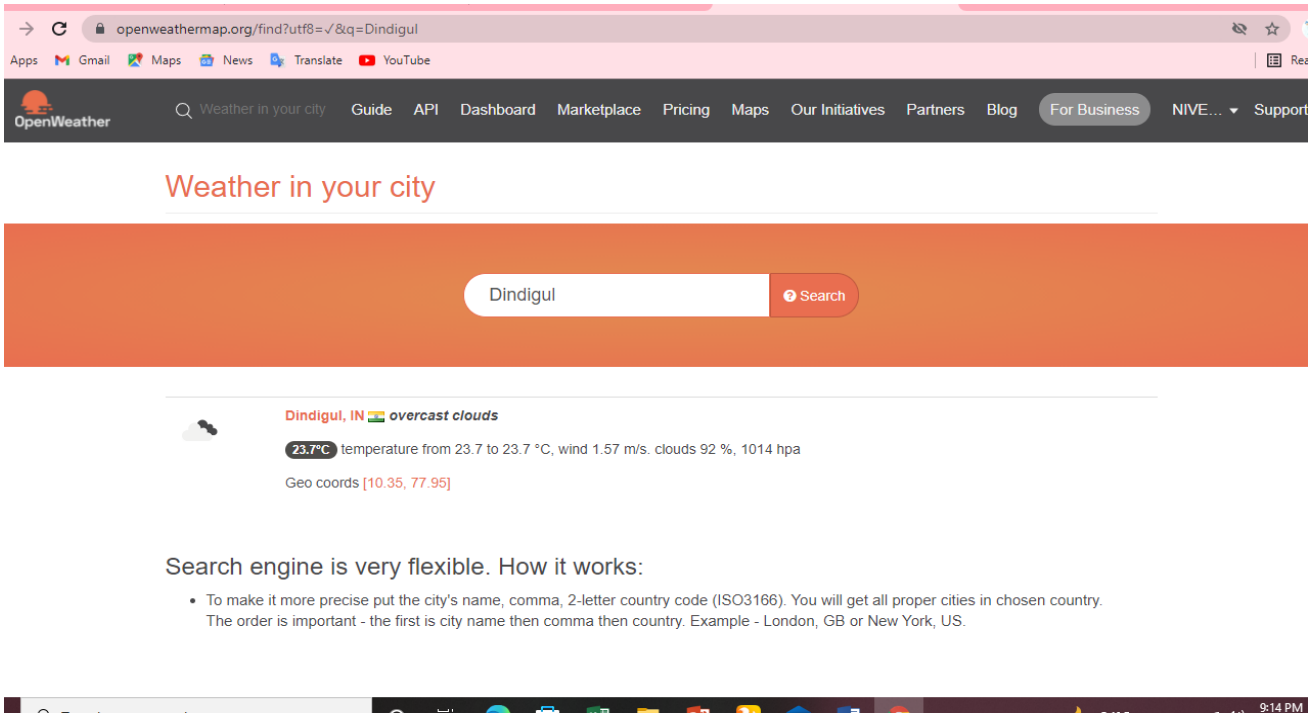
Develop a python script

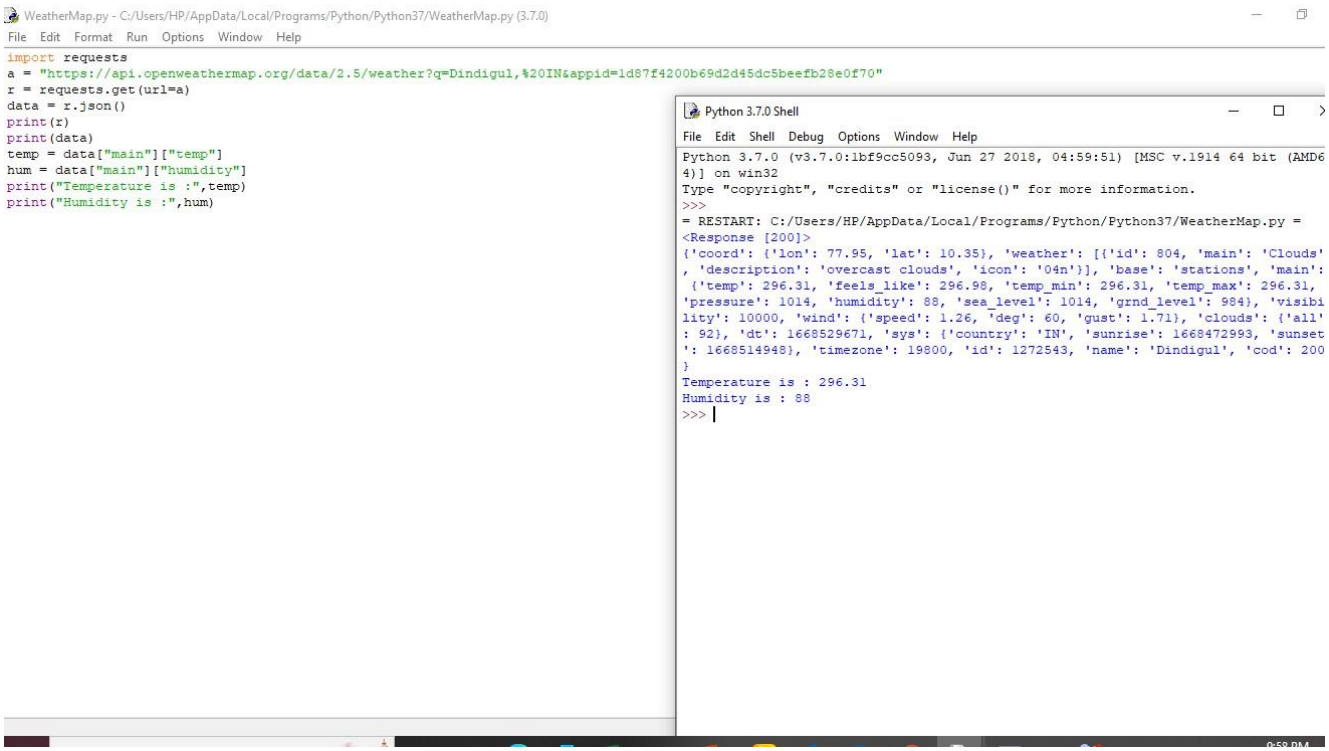
Team ID	**PNT2022TMID33212**
Project Name	**Signs With Smart Connectivity For Better Road Safety**

Signs with smart connectivity for Better road safety

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=Dindigul
Apps Gmail Maps News Translate YouTube
OpenWeather
Weather in your city
Guide API Dashboard Marketplace Pricing Maps Our Initiatives Partners Blog For Business NIVE... Support
Weather in your city
Dindigul
Search
Dindigul, IN overcast clouds
23.7°C temperature from 23.7 to 23.7 °C, wind 1.57 m/s. clouds 92 %, 1014 hpa
Geo coords [10.35, 77.95]
Search engine is very flexible. How it works:
To make it more precise put the city's name, comma, 2-letter country code (ISO3166). You will get all proper cities in chosen country. The order is important - the first is city name then comma then country. Example - London, GB or New York, US.


WeatherMap.py - C:/Users/HP/AppData/Local/Programs/Python/Python37/WeatherMap.py (3.7.0)
File Edit Format Run Options Window Help
import requests
a = "https://api.openweathermap.org/data/2.5/weather?q=Dindigul,%20IN&appid=1d87f4200b69d2d45dc5beefb28e0f70"
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 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/HP/AppData/Local/Programs/Python/Python37/WeatherMap.py =
<Response [200]>
{'coord': {'lon': 77.95, 'lat': 10.35}, 'weather': [{'id': 804, 'main': 'Clouds', 'description': 'overcast clouds', 'icon': '04n'}], 'base': 'stations', 'main': {'temp': 296.31, 'feels_like': 296.98, 'temp_min': 296.31, 'temp_max': 296.31, 'pressure': 1014, 'humidity': 88, 'sea_level': 1014, 'grnd_level': 984}, 'visibility': 10000, 'wind': {'speed': 1.26, 'deg': 60, 'gust': 1.71}, 'clouds': {'all': 92}, 'dt': 1668529671, 'sys': {'country': 'IN', 'sunrise': 1668472993, 'sunset': 1668514948}, 'timezone': 19800, 'id': 1272543, 'name': 'Dindigul', 'cod': 200}
Temperature is : 296.31
Humidity is : 88
>>>