Develop a python Script

Date	13 November 2022
Team ID	PNT2022TMID45401
Project Name	Signs with smart connectivity for Better road safety
Maximum Marks	4 Marks

Submitted by:

Team leader   :- K.S.Dinesh Kumar
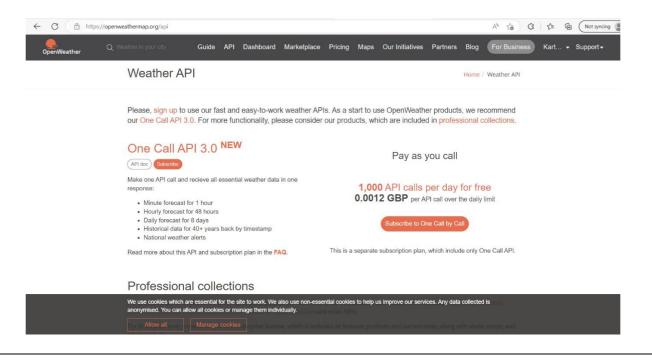Team member:- U.Mohamed Aashiq
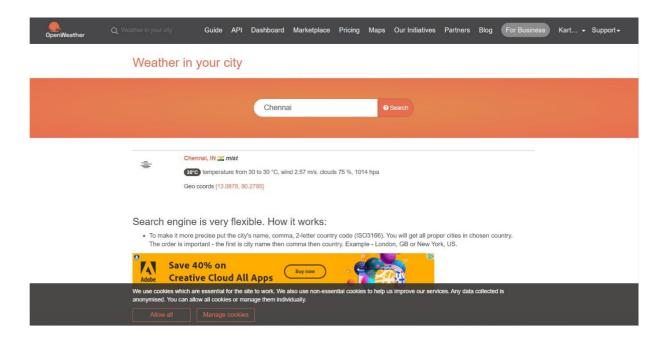Team member:- S.Poonthamilan
Team member:- J.Samuvel Stephens

Create a code snippet using python compiler

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

1.Extract weather data from OpenWeatherMap using APIs:

2.Send te extracted data to the cloud:

3.Receive data from the cloud and view it in the python compiler:


```python
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
>>>
```