

Develop a Python script

Date	12 September 2022
Team ID	PNT2022TMID48721
Project Name	Project - Signs with smart connectivity for Better road safety
Maximum Marks	4 Marks

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

The image shows two screenshots of the OpenWeatherMap website. The top screenshot displays the 'Weather API' page, which includes a navigation bar, a search bar, and a list of API products. The 'One Call API 3.0' is highlighted as 'NEW'. It offers 1,000 free API calls per day for 0.0012 GBP per call over the daily limit. A 'Subscribe to One Call by Call' button is visible. The bottom screenshot shows the 'Weather in your city' search results for 'karur'. The results show a temperature of 27.8°C, a few clouds, and a wind speed of 1.98 m/s. The search engine is noted as being very flexible, allowing for city names and country codes (e.g., 'karur,tn').

OpenWeatherMap API Documentation

Please, [sign up](#) to use our fast and easy-to-work weather APIs. As a start to use OpenWeather products, we recommend our [One Call API 3.0](#). For more functionality, please consider our products, which are included in [professional collections](#).

One Call API 3.0 **NEW**

[API doc](#) [Subscribe](#)

Make one API call and receive all essential weather data in one response:

- Minute forecast for 1 hour
- Hourly forecast for 48 hours
- Daily forecast for 8 days
- Historical data for 40+ years back by timestamp
- National weather alerts

Pay as you call

1,000 API calls per day for free
0.0012 GBP per API call over the daily limit

[Subscribe to One Call by Call](#)

Read more about this API and subscription plan in the [FAQ](#). This is a separate subscription plan, which include only One Call API.

Weather in your city

karur

karur,tn

Karur, IN **few clouds**

27.8°C temperature from 27.8 to 27.8 °C, wind 1.98 m/s, clouds 24 %, 1012 hpa

Geo coords [10.95, 78.0833]

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.

tamil.py - C:/Users/ELCOT/AppData/Local/Programs/Python/Python310/tamil.py (3.10.2)

File Edit Format Run Options Window Help

```
import requests
a="https://openweathermap.org/find?q=karur"
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)
```

Ln: 10 Col: 0



Type here to search

