

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

AppsGmailMapsNewsTranslateYouTube

Reading list

OpenWeather

Weather in your city

GuideAPIDashboardMarketplacePricingMapsOur InitiativesPartnersBlogFor BusinessNIV...Support

Weather API

Home / Weather API

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

Read more about this API and subscription plan in the [FAQ](#).

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

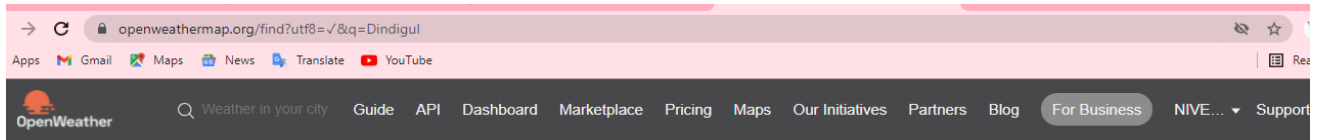
This is a separate subscription plan, which include only One Call API.

Professional collections

For professionals and specialists with middle sized project, we recommend our Professional collections, which included [Current & Forecasts collection](#), [Historical weather data collection](#), [Weather Maps collection](#) and other APIs.

For Enterprise level projects we provide Enterprise license, which is included all forecast products and current state, along with alerts, maps, and other products. [Learn more](#)

You can read the [How to Start](#) guide and enjoy using our powerful weather APIs right now



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 (tags/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
>>> |
```