

DEVELOP THE PYTHON SCRIPT

DATE	15 Nov 2022
TEAM ID	PNT2022TMID09823
PROJECT NAME	Signs with Smart Connectivity for Better Road Safety

Create a code snippet using python to

- Extract weather data from OpenWeatherMap using APIs
- Send the extracted data to the cloud
- Receive data from the cloud and view it in the python compiler



Weather in your city

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Weather in your city

namakkal

Search

Nāmakkal, IN scattered clouds

23.5°C temperature from 23.5 to 23.5 °C, wind 1.43 m/s, clouds 41 %, 1014 hpa

Geo coords [11.2213, 78.1652]

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.





A screenshot of a Python IDE window titled "own.py - C:/Python/Python37/own.py (3.7.4)". The window has a menu bar with "File", "Edit", "Format", "Run", "Options", "Window", and "Help". The main text area contains the following Python code:

```
import requests
api_data="https://openweathermap.org/find?q=namakkal"
rec=requests.get(url=api_data)
data=rec.json
print(data)
```

```
Python 3.10.8 (tags/v3.10.8:aaaf517, Oct 11 2022, 16:50:30) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
```

>>>

```
===== RESTART: D:/Python/Python310/owm.py =====
```

```
{'coord': {'lon': 78.4744, 'lat': 17.3753}, 'weather': [{'id': 721, 'main': 'Haze', 'description': 'haze', 'icon': '50d'
}], 'base': 'stations', 'main': {'temp': 301.38, 'feels_like': 303.07, 'temp_min': 301.38, 'temp_max': 301.88, 'pressure
': 1017, 'humidity': 61}, 'visibility': 5000, 'wind': {'speed': 3.6, 'deg': 90}, 'clouds': {'all': 40}, 'dt': 1666335428
, 'sys': {'id': 9214, 'country': 'IN', 'sunrise': 1666312830, 'sunset': 1666354845}, 'timezone': 19800, 'id':
1269843 }
```

>>>