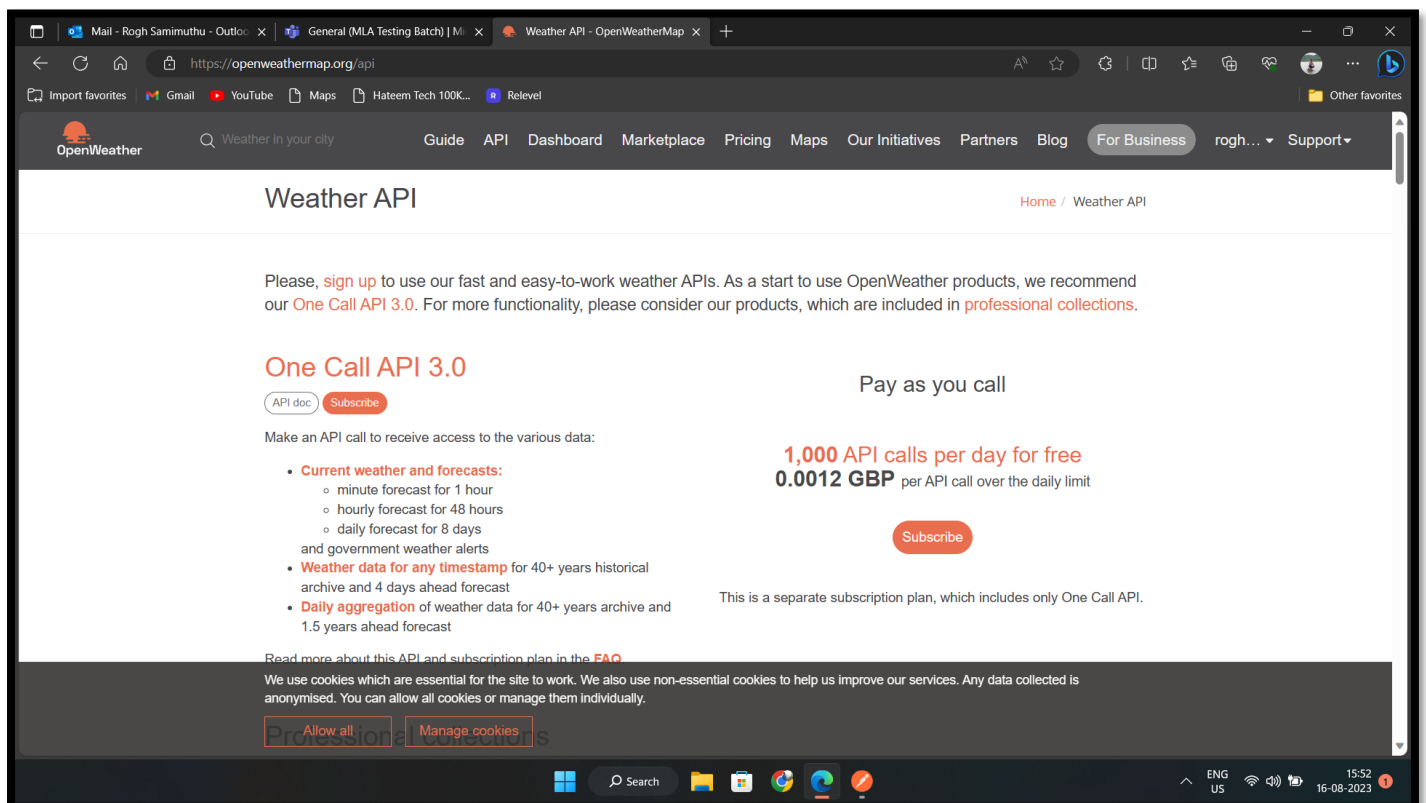
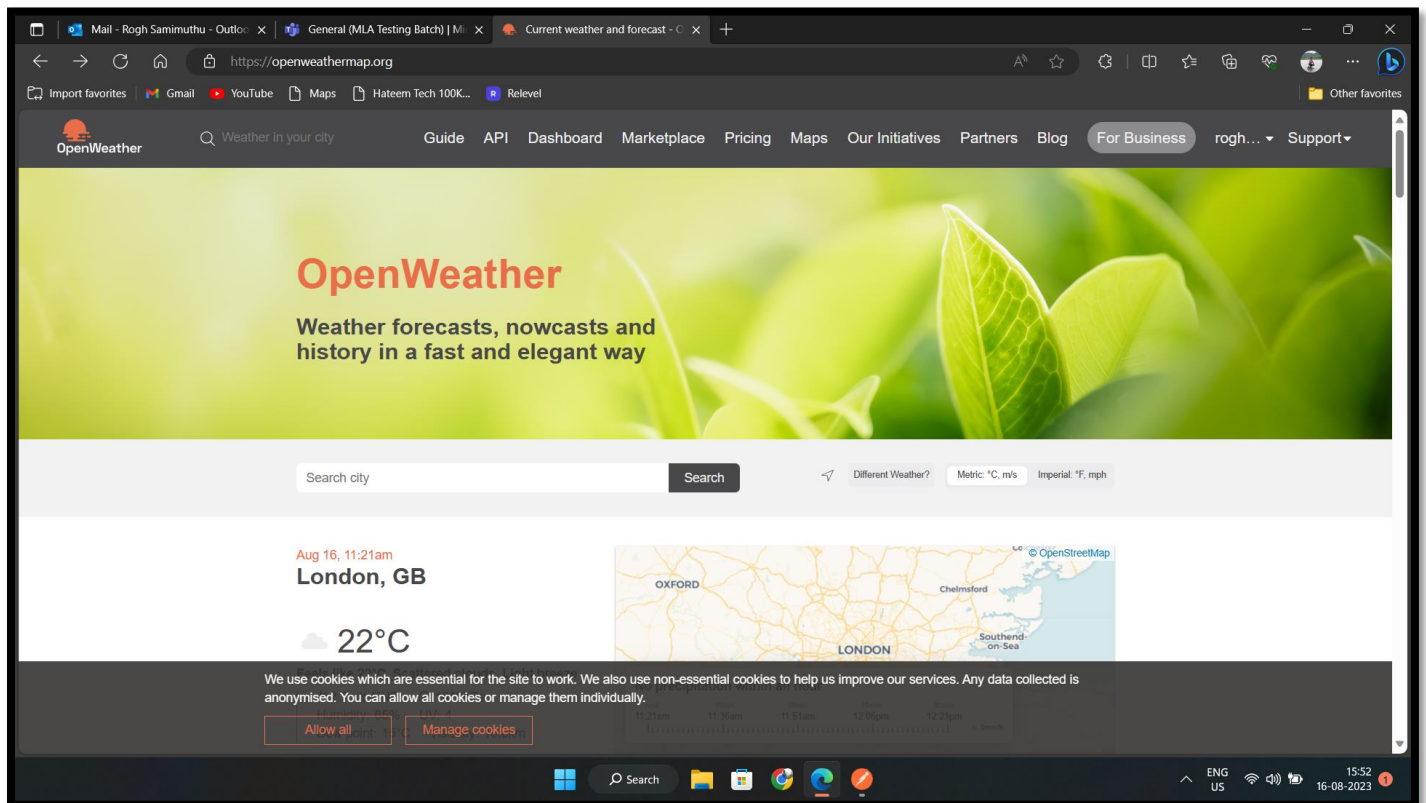


Practice Project:

Weather Report Using Postman – OpenWeatherMap.org

Screenshots:



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Weather API - OpenWeatherMap

https://openweathermap.org/api

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- Included in the Developer, Professional and Enterprise subscription plans

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- Data feed provides all active weather alerts from the entire world
- Each alert contains date, time, location, and severity

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https://openweathermap.org/current

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Built-in API request by city name

You can call by city name or city name, state code and country code. Please note that searching by states available only for the USA locations.

API call

https://api.openweathermap.org/data/2.5/weather?q={city name}&appid={API key}

https://api.openweathermap.org/data/2.5/weather?q={city name},{country code}&appid={API key}

https://api.openweathermap.org/data/2.5/weather?q={city name},{state code},{country code}&appid={API key}

Parameters

q

required

City name, state code and country code divided by comma, Please refer to ISO 3166 for the state codes or country codes. You can specify the parameter not only in English. In this case, the parameter must be in the language of the location is in our database. The list of supported languages is here.

Product concept

Call current weather data

How to make an API call

API response

JSON format API response example

JSON format API response fields

XML format API response example

XML format API response fields

List of weather condition codes

Min/max temperature in current weather

API and forecast API

Bulk downloading

Other features

Geocoding API

Built-in geocoding

Built-in API request by city name

Built-in API request by city ID

Built-in API request by ZIP code

Format

Units of measurement

Multilingual support

Call back function for JavaScript code

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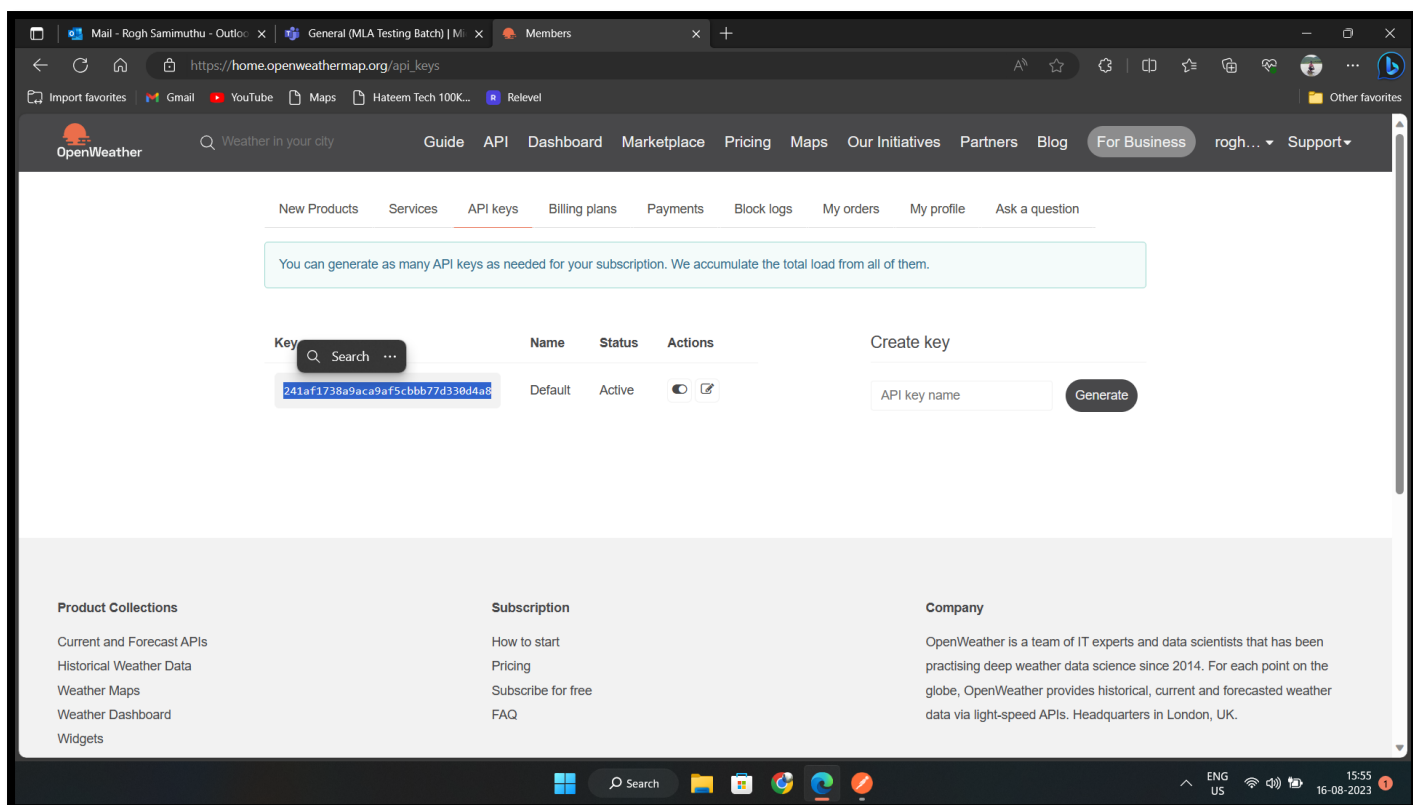
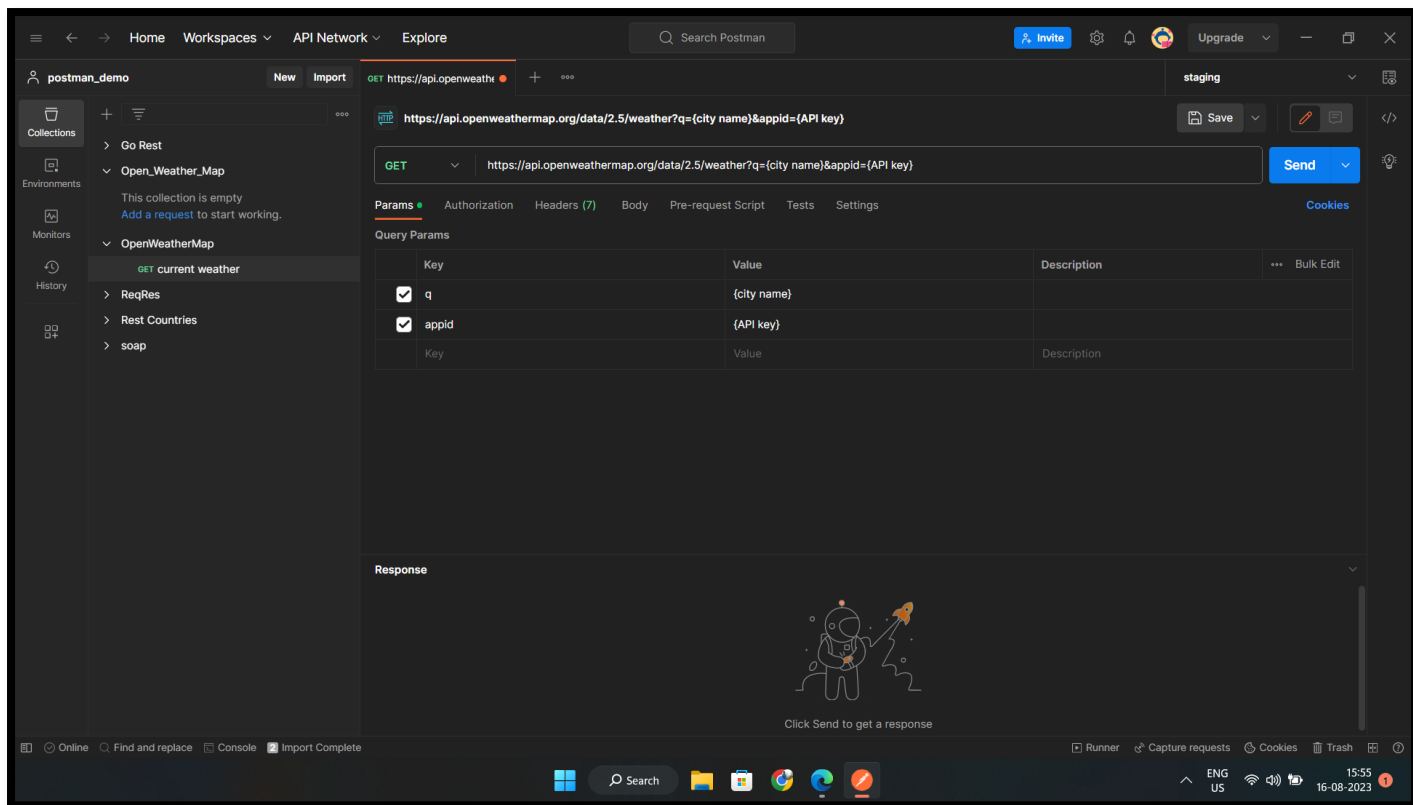
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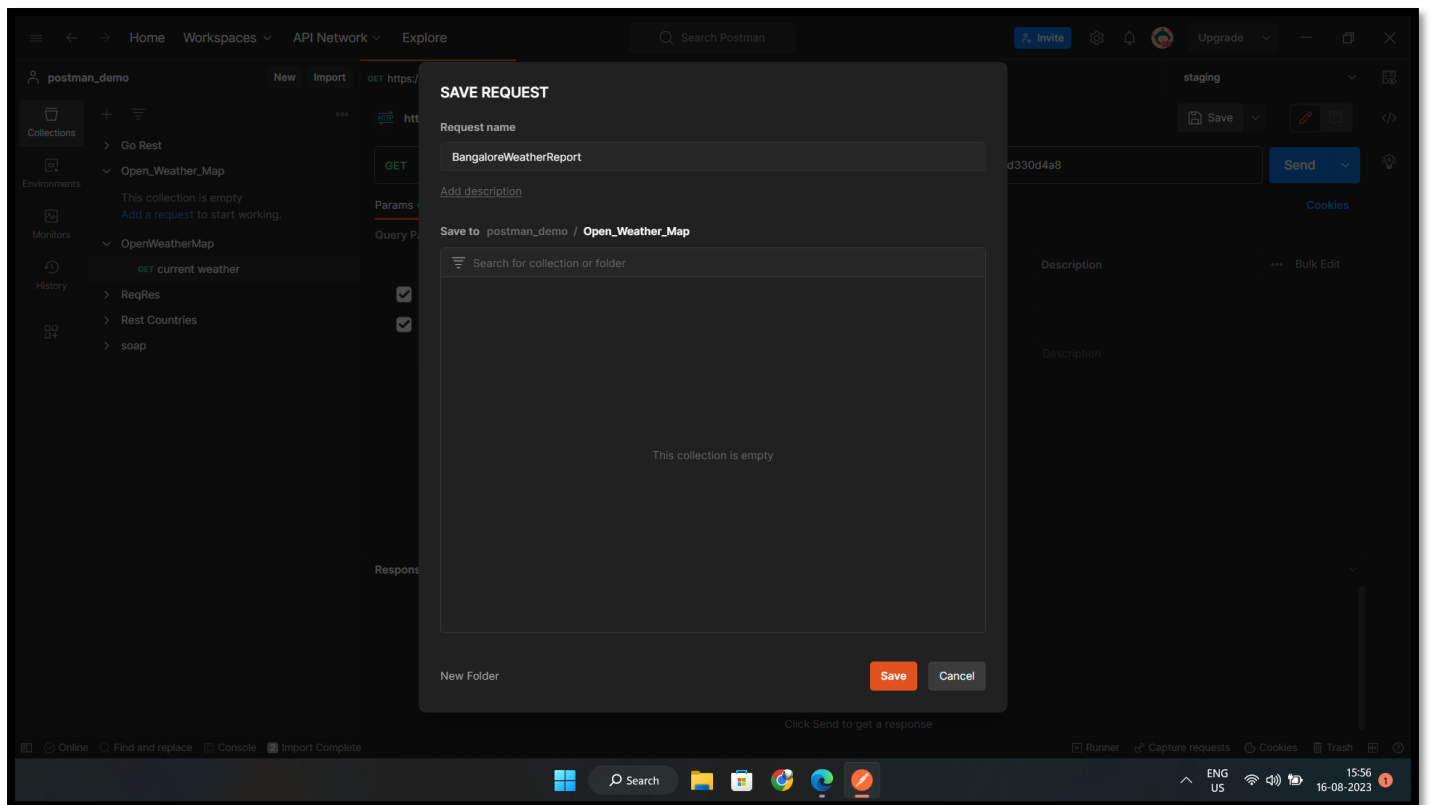
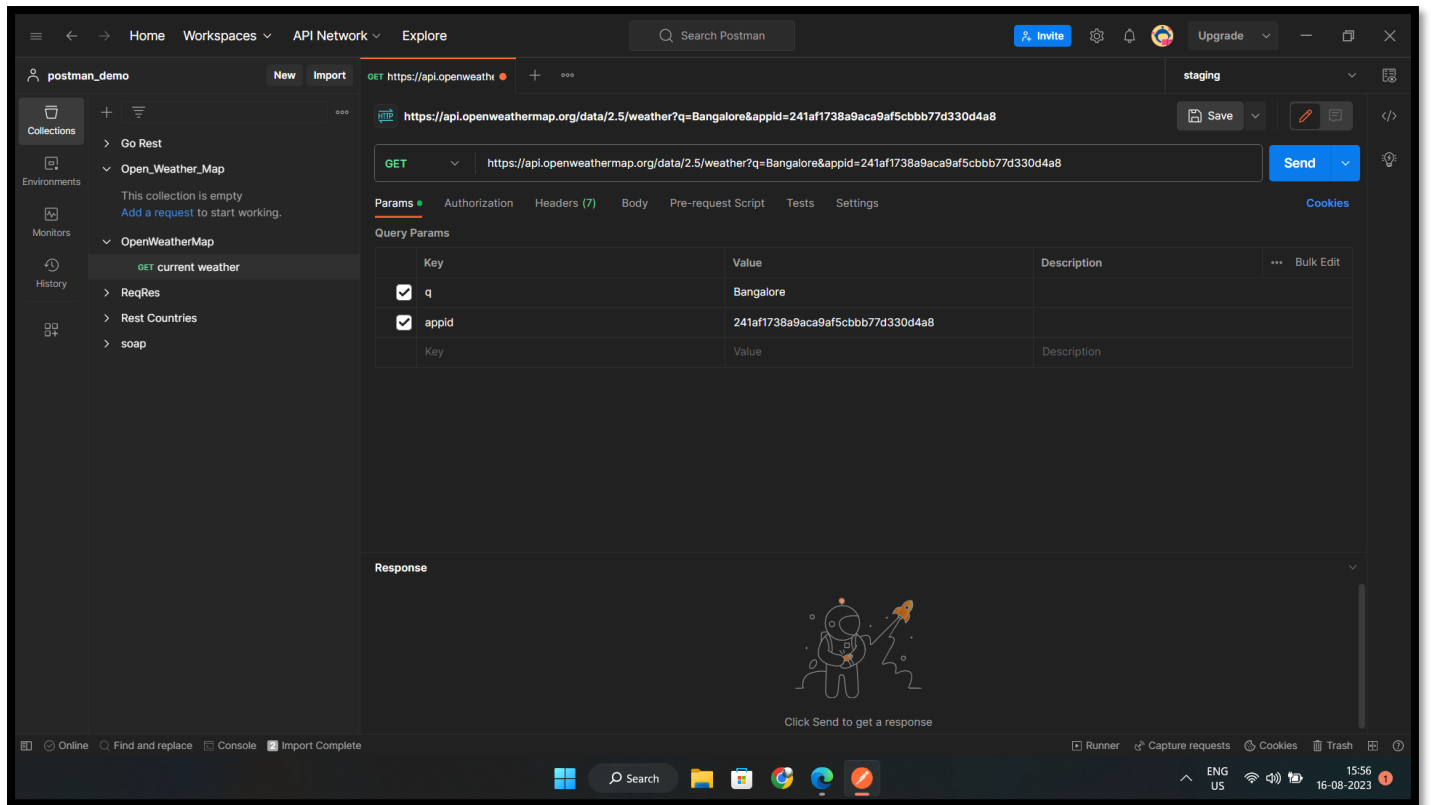
https://openweathermap.org/current#name

Search

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Postman interface showing a GET request to `https://api.openweathermap.org/data/2.5/weather?q=Bangalore&appid=241af1738a9aca9af5cbbb77d330d4a8`. The response is displayed in the Body tab, showing a JSON object with weather data for Bangalore.

```
1 {
2   "coord": {
3     "lon": 77.6033,
4     "lat": 12.9762
5   },
6   "weather": [
7     {
8       "id": 802,
9       "main": "Clouds",
10      "description": "scattered clouds",
11      "icon": "03d"
12    }
13  ],
14  "base": "stations",
15  "main": {
16    "temp": 303.24,
17    "feels_like": 303.31,
18    "temp_min": 302.71,
19    "temp_max": 303.95,
20    "pressure": 1013,
21    "humidity": 43
22  },
23  "visibility": 8000,
```

Postman interface showing the same GET request. The response is displayed in the Body tab, showing a JSON object with weather data for Bangalore, including additional details like wind, clouds, and sunrise/sunset times.

```
21     "humidity": 43
22   },
23   "visibility": 8000,
24   "wind": {
25     "speed": 3.6,
26     "deg": 260
27   },
28   "clouds": {
29     "all": 40
30   },
31   "dt": 1692181376,
32   "sys": {
33     "type": 2,
34     "id": 2017753,
35     "country": "IN",
36     "sunrise": 1692146252,
37     "sunset": 1692191444
38   },
39   "timezone": 19800,
40   "id": 1277333,
41   "name": "Bengaluru",
42   "cod": 200
43 }
```