

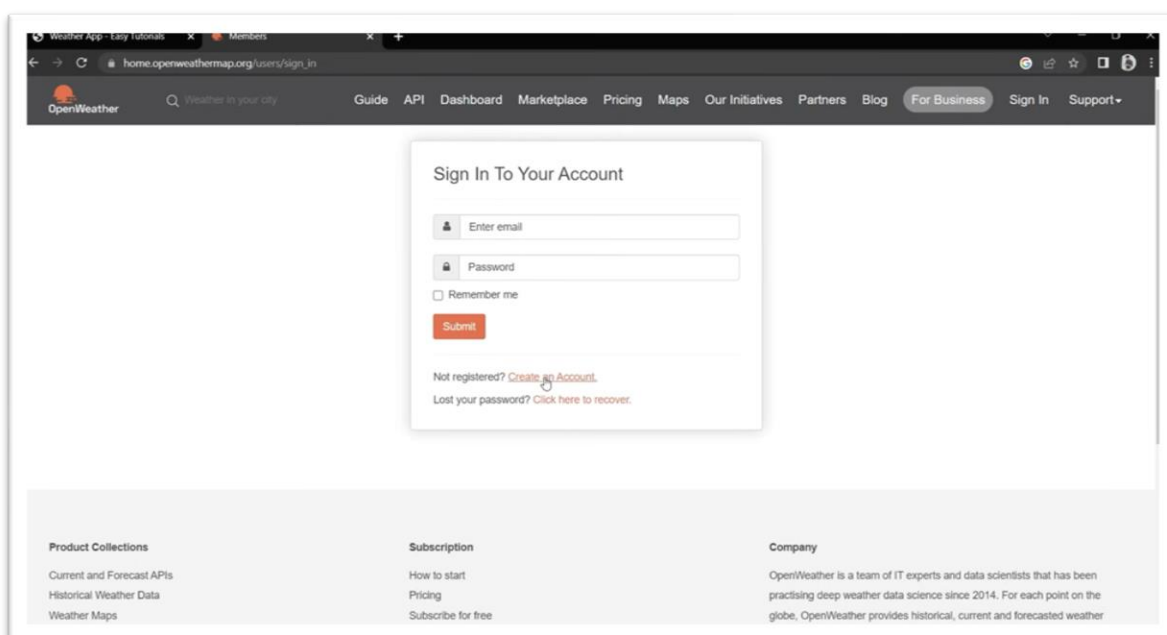
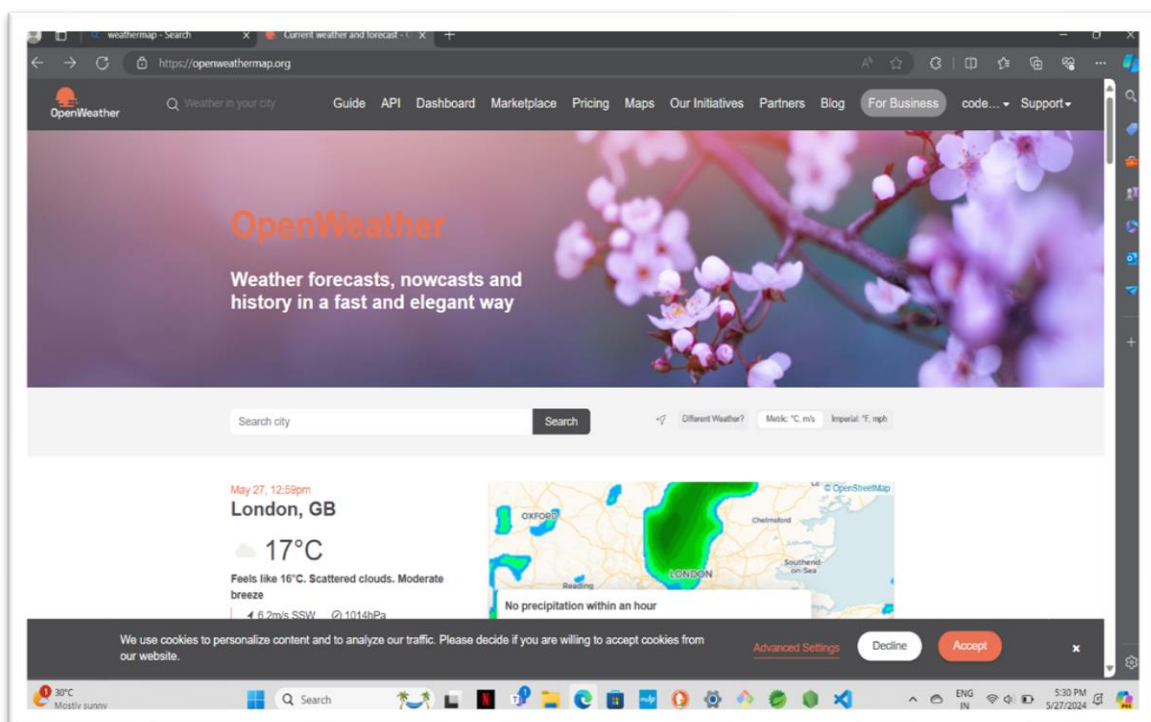
# OpenWeatherMap API calling

Using **OpenWeatherMap** involves a few steps:

Creating an account, getting an API key, and making API requests to fetch weather data.

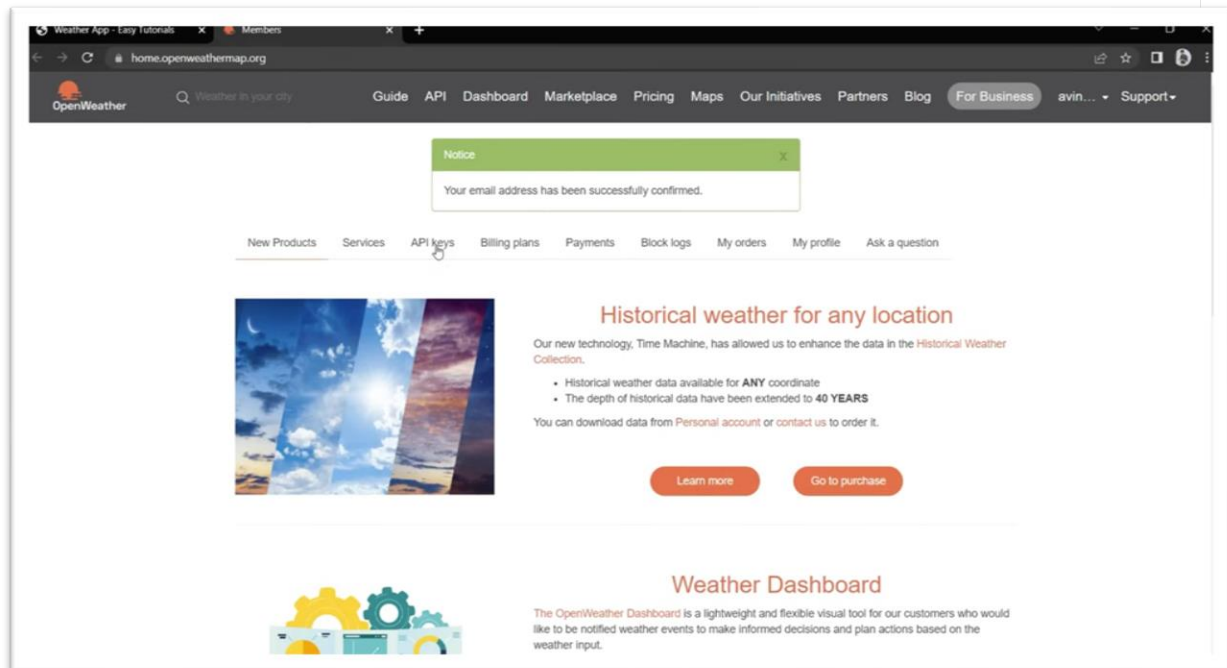
## 1. Sign Up and Get an API Key

1. Go to the [OpenWeatherMap](https://openweathermap.org) website and sign up for a free account.

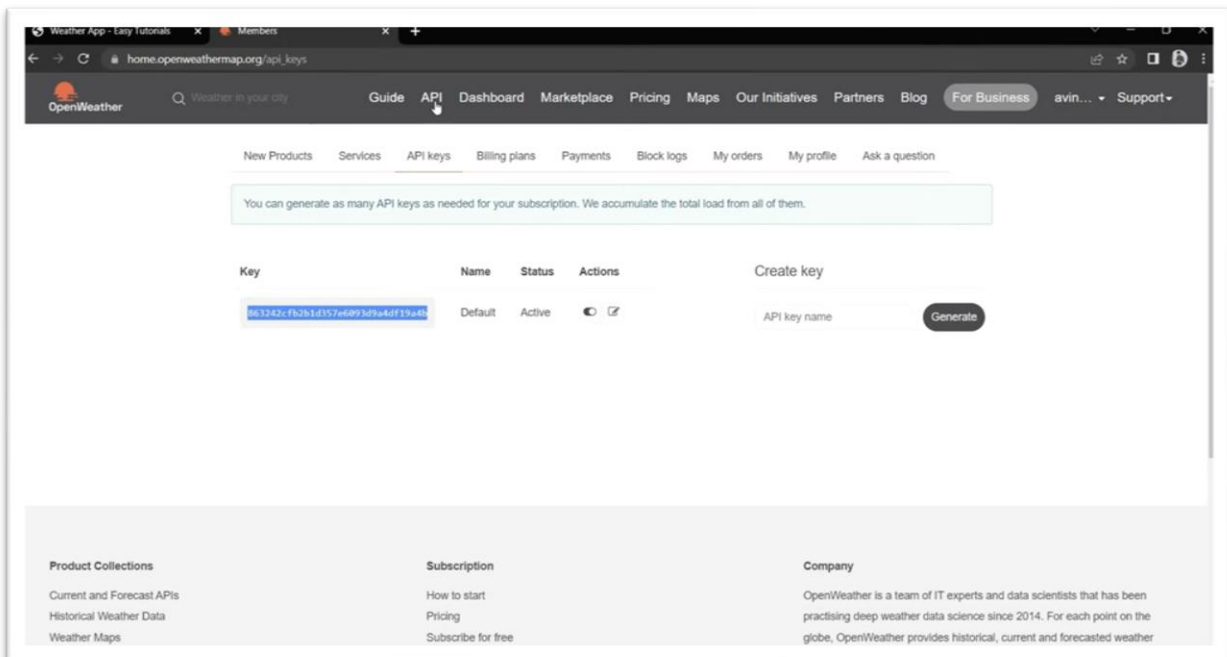


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2. Once registered, log in and navigate to the API keys section (usually found under the user profile).

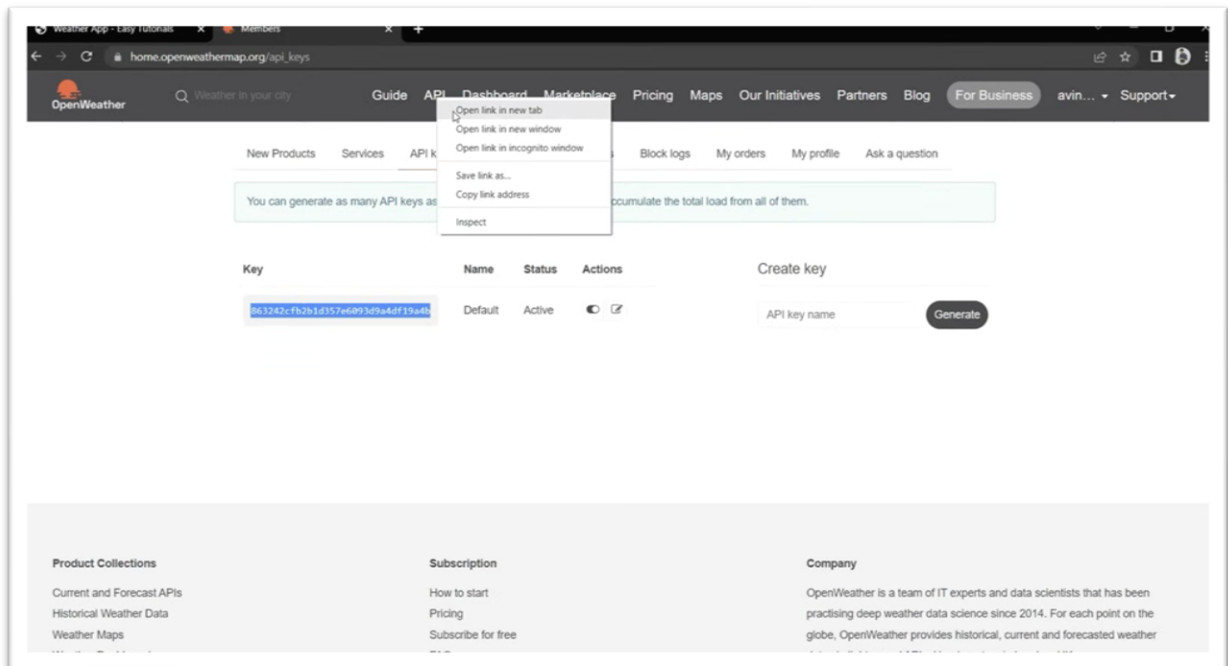


3. Create a new API key or use the default one provided.

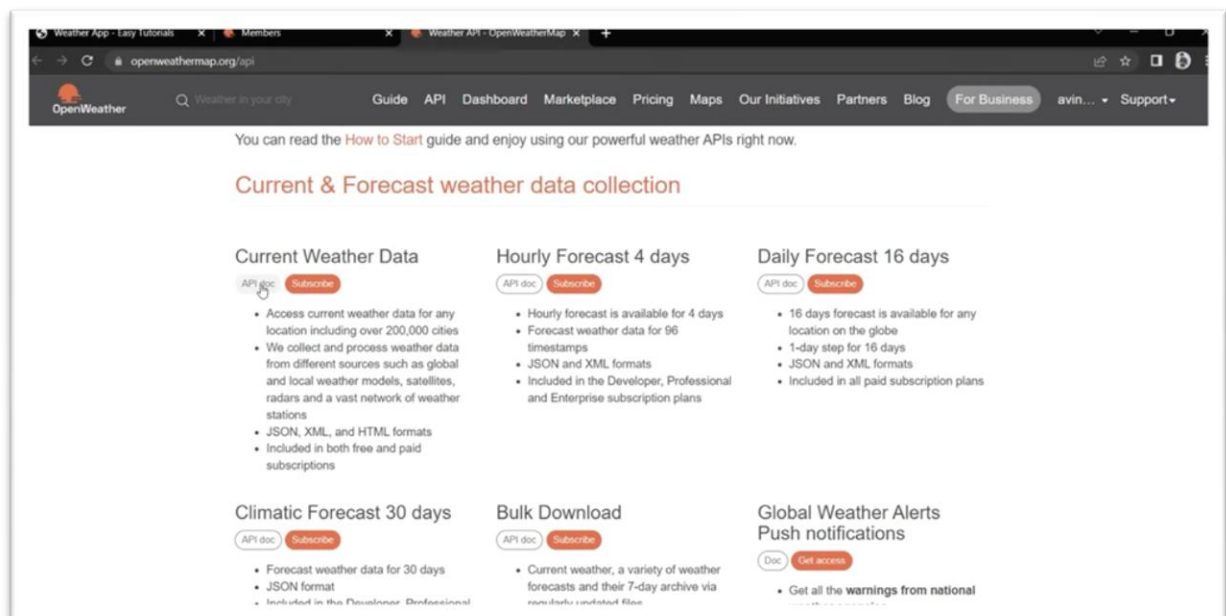


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- Then, go to the navigation bar of the website, where you can see the "API" link. Click on the "API" link and open it in a new tab.



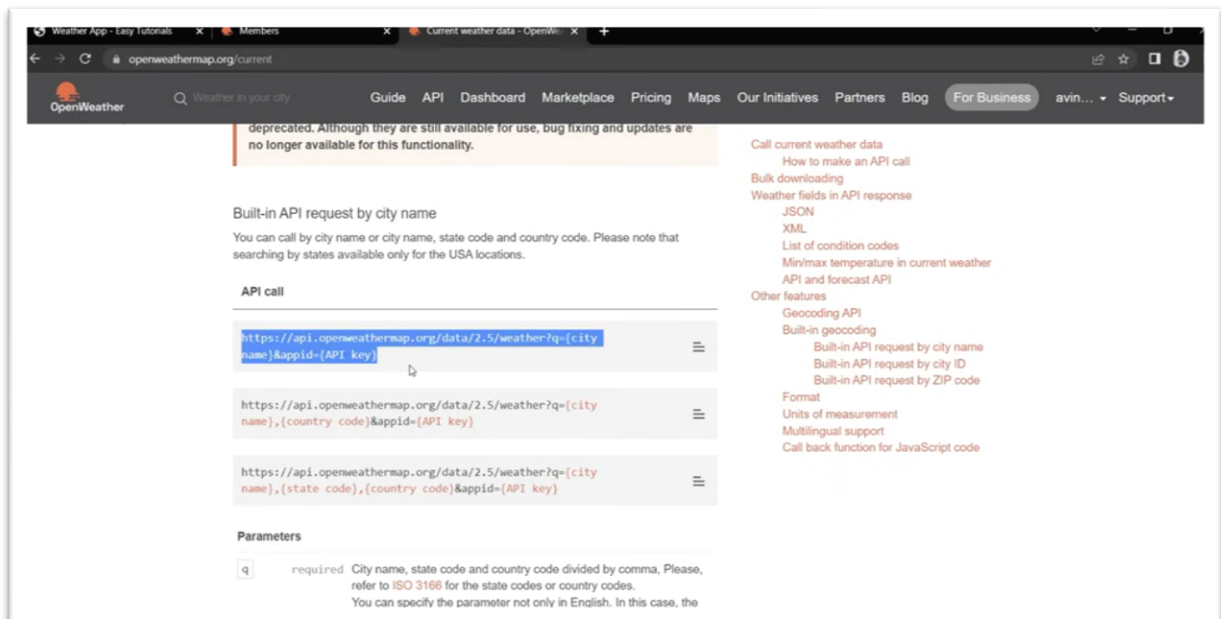
- Now, you can see the "Current & Forecast Weather Data Collection". Click on the "Current Weather Data" API documentation.



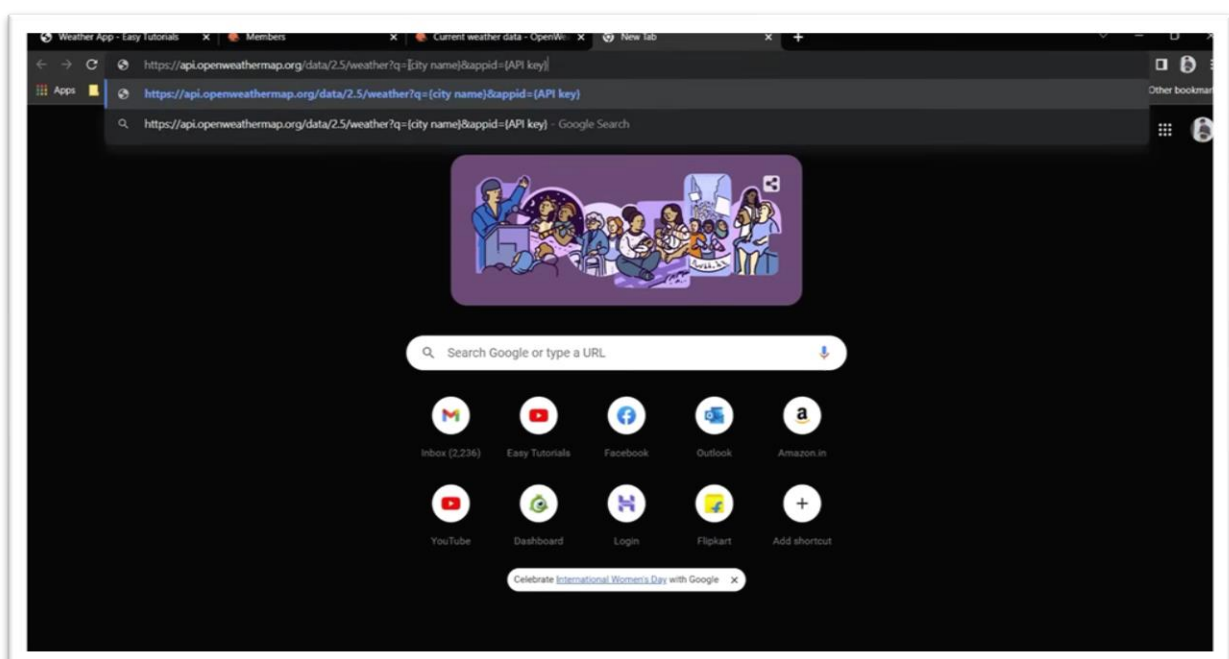
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- Now, inside the Api documentation, you can see the built-in API request by city name. Under the section, you will find an API call.

Click on the first API call.



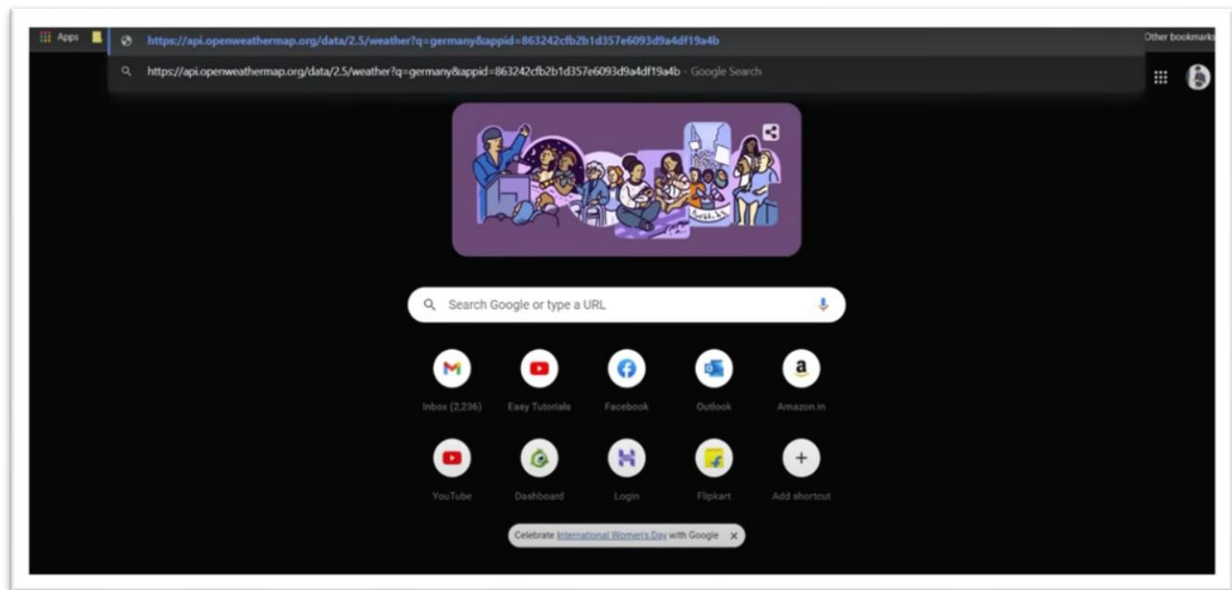
- Place that API call in the browser URL and change the city name and API key. Use the API key you obtained earlier.



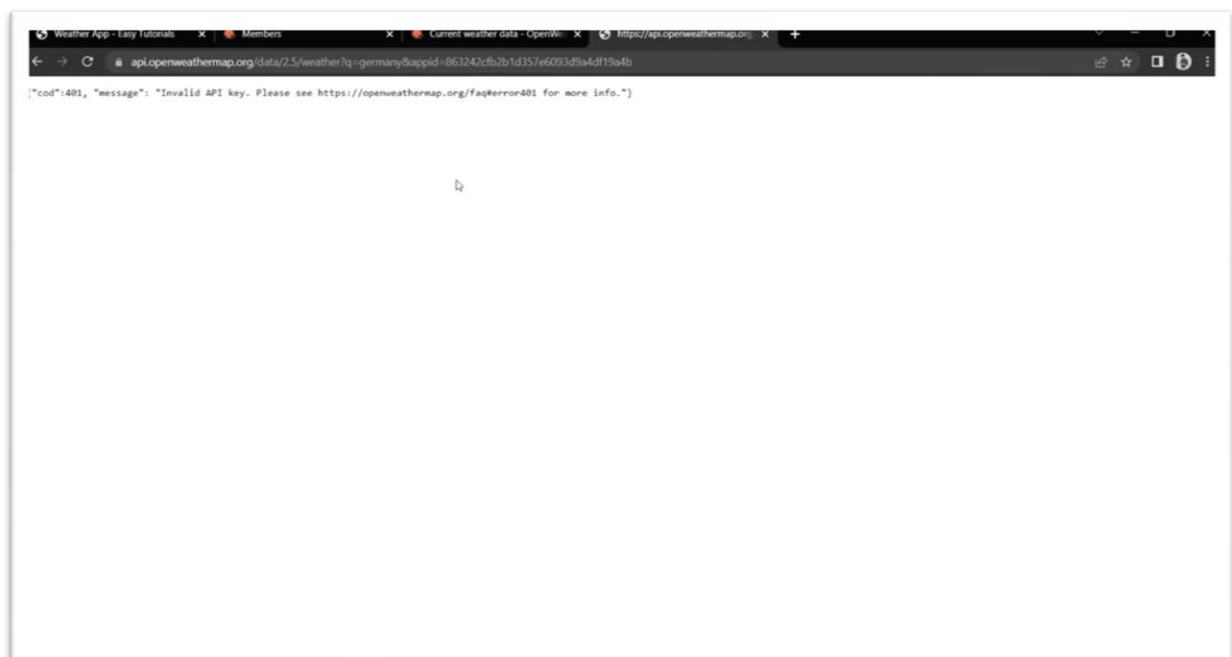
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For example:

Replace '**germany**' with the desired city name and '**YOUR\_API\_KEY**' with the API key you obtained.



After changing the city name and placing the Api key , you might see an invalid message. This API link URL might take a couple of hours to become active.

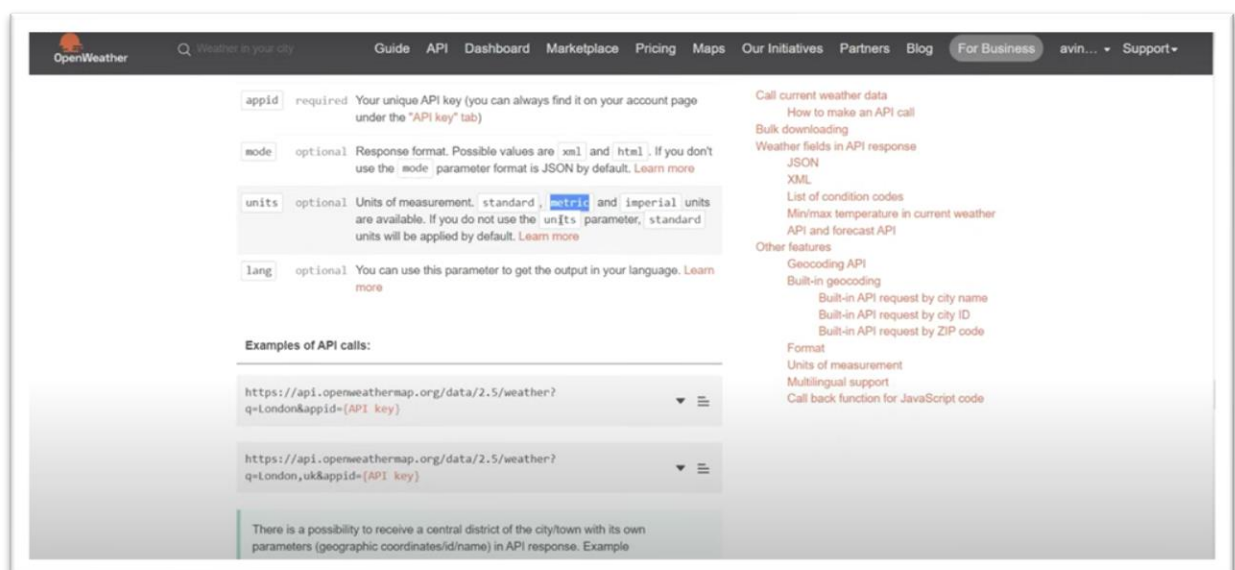


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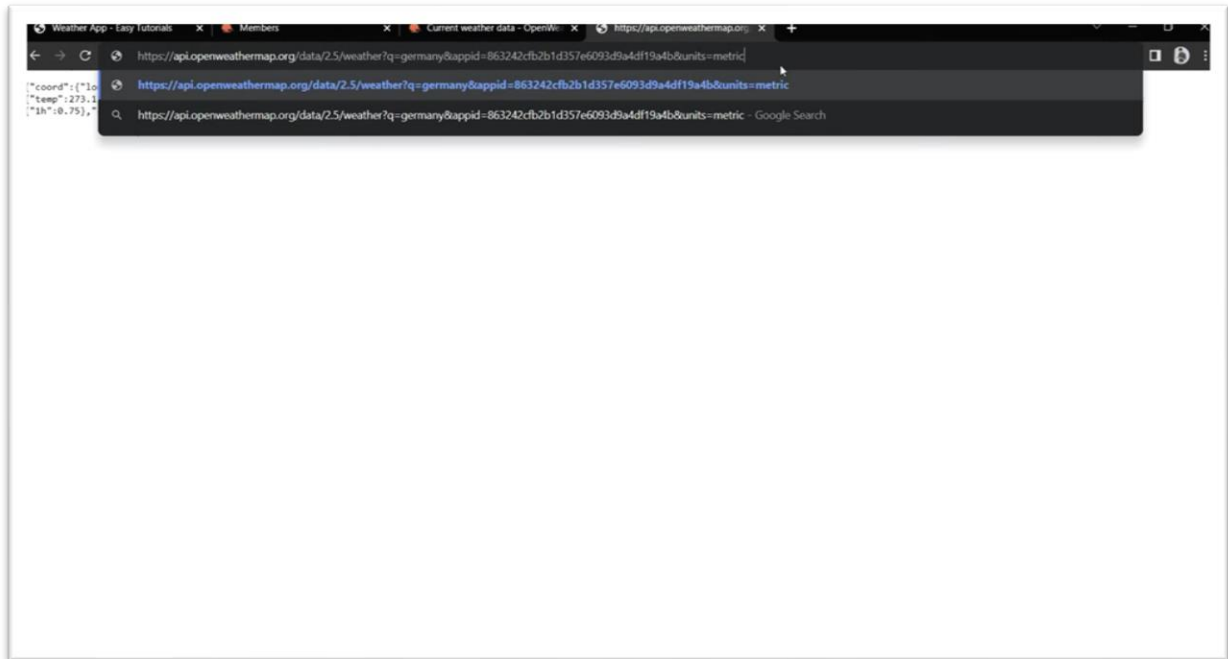
After a couple of hours, the information will be displayed in JSON format.



8. If you scroll down on that same API call page, You'll find the option for units. We'll add the metric unit in the API URL.



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After adding “metric” to the URL, you will see the temperature displayed in degrees Celsius.

# OpenWeatherMap API calling



You can add any city name to the URL and search it to get the weather details for that city.

## 2. Making API Requests

You can make API requests using **'fetch'** Function in JavaScript.

### Step 1: Prepare Your JavaScript Environment

Ensure you have a JavaScript environment where you can execute code.

### Step 2: Write the Code Directly

If you've already set up the API URL directly in the URL itself, you can directly make the API request without defining the URL again.

### Step 3: Run the code

Write the code into your JavaScript environment and hit enter. You'll see the weather data printed in the console if everything works correctly.