## API Key @ Open Weather Map

a51436fe16293393a10f617c7eaf0bca

## API Call Url

[http://api.openweathermap.org/data/2.5/weather?q={city}&units=metric&appid={APIkey}](http://api.openweathermap.org/data/2.5/weather?q=%7bcity%7d&units=metric&appid=%7bAPIkey%7d)

## JSON Data Organisation

1. **Coordinates (**coord**)**:
   * lon: Longitude of the location (e.g., -180 to 180)
   * lat: Latitude of the location (e.g., -90 to 90)
2. **Weather (**weather**)**:
   * id: Weather condition ID (ranges from 200 to 804)
     + 200-232: Thunderstorm
     + 300-321: Drizzle
     + 500-531: Rain
     + 600-622: Snow
     + 701-781: Atmosphere (e.g., mist, smoke)
     + 800: Clear
     + 801-804: Clouds
   * main: Group of weather parameters (e.g., Clear, Clouds, Rain)
   * description: Weather condition within the group (e.g., clear sky, few clouds)
   * icon: Weather icon ID (e.g., 01d, 02n)
3. **Base (**base**)**:
   * base: Internal parameter (e.g., stations)
4. **Main (**main**)**:
   * temp: Temperature in Kelvin (e.g., -273.15 to 373.15)
   * feels\_like: Human perception of weather (similar range as temp)
   * temp\_min: Minimum temperature at the moment (similar range as temp)
   * temp\_max: Maximum temperature at the moment (similar range as temp)
   * pressure: Atmospheric pressure in hPa (e.g., 870 to 1085)
   * humidity: Humidity percentage (e.g., 0 to 100)
5. **Visibility (**visibility**)**:
   * visibility: Visibility in meters (e.g., 0 to 10,000)
6. **Wind (**wind**)**:
   * speed: Wind speed in meter/sec (e.g., 0 to 100)
   * deg: Wind direction in degrees (e.g., 0 to 360)
   * gust: Wind gust in meter/sec (e.g., 0 to 100)
7. **Rain (**rain**)**:
   * 1h: Rain volume for the last hour in mm (e.g., 0 to 500)
   * 3h: Rain volume for the last 3 hours in mm (e.g., 0 to 500)
8. **Clouds (**clouds**)**:
   * all: Cloudiness percentage (e.g., 0 to 100)
9. **Timestamp (**dt**)**:
   * dt: Time of data calculation in Unix, UTC (e.g., 0 to current Unix time)
10. **System (**sys**)**:
    * type: Internal parameter (e.g., 1, 2)
    * id: Internal parameter (varies)
    * country: Country code (ISO 3166-1 alpha-2, e.g., US, IN)
    * sunrise: Sunrise time in Unix, UTC (e.g., 0 to current Unix time)
    * sunset: Sunset time in Unix, UTC (e.g., 0 to current Unix time)
11. **Timezone (**timezone**)**:
    * timezone: Shift in seconds from UTC (e.g., -43200 to 50400)
12. **City ID (**id**)**:
    * id: City ID (varies)
13. **City Name (**name**)**:
    * name: City name (varies)
14. **Response Code (**cod**)**:
    * cod: Internal parameter (e.g., 200 for success, 404 for not found)

## 5 Days Forecast

https://api.openweathermap.org/data/2.5/forecast?lat={lat}&lon={lon}&appid=[{API key}](https://home.openweathermap.org/api_keys)

## Air Quality Index API URL

https://api.openweathermap.org/data/2.5/air\_pollution?lat={lat}&lon={lon}&appid={API key}

## Font Awesome Kit

<script src="https://kit.fontawesome.com/c21216cc75.js" crossorigin="anonymous"></script>

## Box Icon CDN

<link rel="stylesheet" href="https://unpkg.com/boxicons@latest/css/boxicons.min.css">