

Write a program to find the live weather report (temperature, wind speed, description, and weather) of a given city. (Python)

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In [7]: import requests

def get_weather(city, api_key):
    # OpenWeatherMap API URL
    url = f"http://api.openweathermap.org/data/2.5/weather?q={city}&appid={api_key}&units=metric"

    try:
        # Make a GET request to the API
        response = requests.get(url)
        response.raise_for_status() # Raise an error for bad responses

        # Parse the JSON response
        data = response.json()

        # Extracting relevant information
        temperature = data['main']['temp']
        wind_speed = data['wind']['speed']
        weather_description = data['weather'][0]['description']

        # Display the weather report
        print(f"Weather in {city}:")
        print(f"Temperature: {temperature}°C")
        print(f"Wind Speed: {wind_speed} m/s")
        print(f"Weather: {weather_description}")

    except requests.exceptions.HTTPError as http_err:
        print(f"HTTP error occurred: {http_err}") # e.g. 403 Forbidden
    except requests.exceptions.RequestException as req_err:
        print(f"Request error occurred: {req_err}")
    except KeyError:
        print("Could not retrieve weather data. Please check the city name.")

# Example usage
if __name__ == "__main__":
    city_name = input("Enter the city name: ")
    api_key = "12010b0a8fc6717271fb49c06b08f414" # Replace with your actual API key
    get_weather(city_name, api_key)
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Weather in Pune:
Temperature: 30.54°C
Wind Speed: 3.49 m/s
Weather: overcast clouds