hen, the script is ready! Here's the Python code for `weather_app.py`:

```python
# API used: OpenWeatherMap (https://openweathermap.org/)
# This script fetches current weather data for a specified location using the
OpenWeatherMap API.
# Remember to replace 'YOUR_API_KEY' with your actual API key.

import requests
import json

def get_weather(api_key, city_name):
    """
    Fetches and displays current weather information for a given city.

    Args:
        api_key (str): Your OpenWeatherMap API key.
        city_name (str): The name of the city to get weather data for.

    Returns:
        None. Prints weather information to the console or error messages.
    """
    base_url = "http://api.openweathermap.org/data/2.5/weather"
    params = {
        "q": city_name,
        "appid": api_key,
        "units": "metric"  # Use metric units for temperature (Celsius)
    }

    try:
        response = requests.get(base_url, params=params)
response.raise_for_status()  # Raise an exception for bad status codes
(4xx or 5xx)
        data = response.json()

        # Extract relevant information
        city = data["name"]
        temperature = data["main"]["temp"]
        conditions = data["weather"][0]["description"]
        humidity = data["main"]["humidity"]
        wind_speed = data["wind"]["speed"]

        print(f"Weather in {city}:")
        print(f"  Temperature: {temperature}°C")
        print(f"  Conditions: {conditions}")
        print(f"  Humidity: {humidity}%")
        print(f"  Wind Speed: {wind_speed} m/s")

    except requests.exceptions.RequestException as e:
        print(f"Network error: {e}")
    except (KeyError, IndexError) as e:
        print(f"Error parsing weather data: {e}")
    except json.JSONDecodeError as e:
```