

```
import java.io.BufferedReader;

import java.io.InputStreamReader;

import java.net.HttpURLConnection;

import java.net.URL;

import org.json.JSONObject;

public class WeatherApiClient{

    String city="London";

    String apiKey="YOUR_API_KEY";

    String apiUrl="https://api.openweathermap.org/data/2.5/weather?
q="+city+"&appid="+apiKey+"&units=metric";

    try{

        URL url =new URL(apiUrl);

        HttpURLConnection connection=(HttpURLConnection)url.openConnection();

        connection.setRequestMethod("GET");

        BufferedReader in = new BufferedReader(new Input stream reader(connection.getInputStream()));

        String inputLine;

        StringBuilder content=new StringBuilder ();

        while((inputLine=in.readLine())!=null){

            content.append(inputLine);

        }

        in.close();

        connection.disconnect();

        parseAndDisplayWeather(content.toString());

    }

    catch(Exception e){

        System.out.println("Error fetching weather data:" +e.getMessage());

    }

}
```

```
private static void parseAndDisplayWeather(String json response){  
  
    Json object object=newJSONObject(json response);  
  
    String cityName = obj.getString("name");  
  
    Json object main= object.getJSONObject("main");  
  
    double temperature = main.getDouble("temp");  
  
    int humidity = main.getInt("humidity");  
  
    Json object weatherObj = object.getJSONArray("weather").getJSONObject(0);  
  
    String description = weatherObj.getString("description");  
  
    System.out.println("\n===Weather Information===");  
  
    System.out.println("City:" +cityName);  
  
    System.out.println("Temperature:" +temperature+"°C");  
  
    System.out.println("Humidity:" +humidity+"%");  
  
    System.out.println("Description:" +description);  
  
}  
  
}
```