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import java.io.BufferedReader;
import java.io.InputStreamReader;
import java.net.HttpURLConnection;
import java.net.URL;
import org.json.JSONObject;

public class WeatherAPIClient {

    // Replace with your own API key from OpenWeatherMap
    private static final String API_KEY = "your_api_key";
    private static final String BASE_URL =
"https://api.openweathermap.org/data/2.5/weather";

    public static void main(String[] args) {
        String city = "Chennai";
        try {
            String urlString = BASE_URL + "?q=" + city + "&appid=" + API_KEY +
"&units=metric";
            URL url = new URL(urlString);

            // Open connection
            HttpURLConnection conn = (HttpURLConnection) url.openConnection();
            conn.setRequestMethod("GET");

            // Check response code
            if (conn.getResponseCode() == 200) {
                BufferedReader in = new BufferedReader(
                        new InputStreamReader(conn.getInputStream()));
                String inputLine;
                StringBuilder response = new StringBuilder();

                // Read the response line-by-line
                while ((inputLine = in.readLine()) != null) {
                    response.append(inputLine);
                }
                in.close();

                // Parse JSON response
                JSONObject jsonResponse = new JSONObject(response.toString());
                JSONObject main = jsonResponse.getJSONObject("main");
                JSONObject wind = jsonResponse.getJSONObject("wind");

                // Display structured data
                System.out.println("Weather Report for: " + city);
                System.out.println("----------------------------");
                System.out.println("Temperature: " + main.getDouble("temp") + " °C");
                System.out.println("Feels Like: " + main.getDouble("feels_like") + " °C");
                System.out.println("Humidity: " + main.getInt("humidity") + "%");
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            System.out.println("Pressure: " + main.getInt("pressure") + " hPa");
            System.out.println("Wind Speed: " + wind.getDouble("speed") + " m/s");

        } else {
            System.out.println("Error: Unable to fetch data. HTTP code: " +
conn.getResponseCode());
        }

    } catch (Exception e) {
        e.printStackTrace();
    }
  }
}
```