import 'dart:convert';

import 'package:flutter/material.dart';

import 'package:http/http.dart' as http;

void main() => runApp(MaterialApp(home: WeatherApp(), debugShowCheckedModeBanner: false));

class WeatherApp extends StatefulWidget {

@override

State<WeatherApp> createState() => \_WeatherAppState();

}

class \_WeatherAppState extends State<WeatherApp> {

final c = TextEditingController();

String info = '';

void getWeather() async {

if (c.text.trim().isEmpty) return;

final url =

'https://api.openweathermap.org/data/2.5/weather?q=${c.text}&appid=0830225e3b25a0708dd3a3720b39f071';

try {

var res = await http.get(Uri.parse(url));

var d = jsonDecode(res.body);

setState(() {

info = res.statusCode == 200

? 'Temp: ${(d['main']['temp'] - 273.15).toStringAsFixed(1)}°C\n${d['weather'][0]['description']}'

: 'City not found';

});

} catch (\_) {

setState(() => info = 'Error fetching weather');

}

}

@override

Widget build(BuildContext ctx) => Scaffold(

appBar: AppBar(title: Text('Weather')),

body: Padding(

padding: EdgeInsets.all(16),

child: Column(children: [

TextField(controller: c, decoration: InputDecoration(border: OutlineInputBorder(), hintText: 'Enter

city')),

ElevatedButton(onPressed: getWeather, child: Text('Check')),

SizedBox(height: 20),

Text(info, textAlign: TextAlign.center)

]),

),

);

}