We use API to use third party code or data.

For weather App write “openweathermap” on google.

Click on this website: <https://openweathermap.org/>

Go to pricing

Then click on free API

In that page click on API keys

Then generate a new API.

Copy the new generated API.

\*\*to read file containing code add an extension in chrome name json\*\*

**Now fetching data from Api in json format**

Code:

Apifile.dart

final apiId = '77a68cdda19aebfd4371c18dfb9bc0b2';  
  
final defaultCity = 'Islamabad';

Climatefile.dart

import 'dart:async';  
import 'dart:core';  
  
import 'package:flutter/material.dart';  
import 'package:flutter/cupertino.dart';  
import 'package:weather/API/apifile.dart' as util;  
import 'package:http/http.dart' as http;  
import 'dart:convert';  
import 'package:permission\_handler/permission\_handler.dart';  
  
class Climate extends StatefulWidget {  
 @override  
 State<Climate> createState() => \_ClimateState();  
}  
  
class \_ClimateState extends State<Climate> {  
 void showstuff() async {  
 Map data = await getWeather(util.apiId, util.defaultCity);  
 print(data.toString());  
 }  
  
 @override  
 Widget build(BuildContext context) {  
 return Scaffold(  
 appBar: AppBar(  
 title: Text(  
 'Weather App',  
 ),  
 backgroundColor: Colors.*red*,  
 actions: [  
 IconButton(  
 onPressed: () {  
 showstuff();  
 },  
 icon: Icon(Icons.*menu*))  
 ],  
 ),  
 body: Stack(  
 children: [  
 Center(  
 child: Image(  
 image: AssetImage('images/raining.jpg'),  
 height: 16 \* 77,  
 width: 9 \* 77,  
 fit: BoxFit.fill,  
 ),  
 ),  
 Container(  
 alignment: Alignment.*topRight*,  
 margin: EdgeInsets.fromLTRB(0.0, 10.9, 20.9, 0),  
 child: Text(  
 'Islamabad',  
 style: citystyle(),  
 ),  
 ),  
 ],  
 ),  
 );  
 }  
  
 Future<Map> getWeather(String appId, String city) async {  
 String apiurl =  
 'https://api.openweathermap.org/data/2.5/weather?q=$city&appid=${util.apiId}';  
 //'https://api.openweathermap.org/data/2.5/weather?q=Islamabad&appid=77a68cdda19aebfd4371c18dfb9bc0b2'  
 //you can paste this above link on chrome to see data.  
 http.Response response = await http.get(Uri.*parse*(apiurl));  
 return jsonDecode(response.body);  
 }  
}  
  
TextStyle citystyle() {  
 return TextStyle(  
 color: Colors.*white*,  
 fontSize: 22.9,  
 fontStyle: FontStyle.italic,  
 );  
}

main.dart

import 'package:flutter/material.dart';  
import 'ui/climatefile.dart';  
  
void main() => runApp(  
 MaterialApp(  
 debugShowCheckedModeBanner: false,  
 title: 'Weather',  
 home: Climate(),  
 ),  
 );