

WeatherApp - MainActivity.java [WeatherApp.app.main]

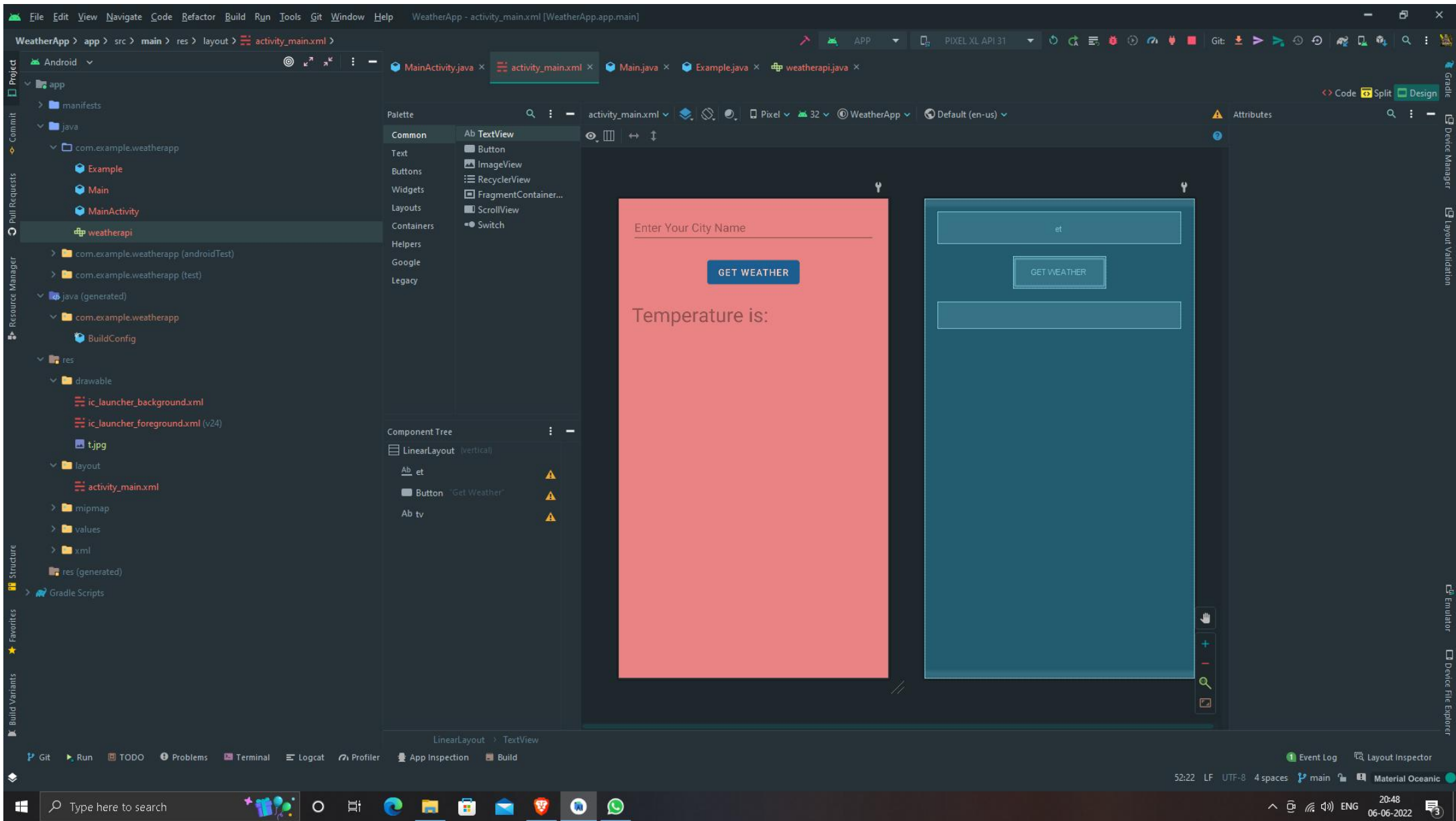
WeatherApp > app > src > main > java > com > example > weatherapp > MainActivity > getWeather > anonymous Callback > onFailure >

Android > Project > MainActivity.java x activity\_main.xml x Main.java x Example.java x weatherapi.java x

```
1 package com.example.weatherapp;
2
3 import ...
4
17
18 public class MainActivity extends AppCompatActivity {
19     EditText et;
20     TextView tv;
21     String url = "https://api.openweathermap.org/data/2.5/weather?q={city name}&appid={API key}";
22     String apiKey = "a0b769470d86bb3ca631f0c0ccf847d3";
23
24
25     @Override
26     protected void onCreate(Bundle savedInstanceState) {
27         super.onCreate(savedInstanceState);
28         setContentView(R.layout.activity_main);
29         et = findViewById(R.id.et);
30         tv = findViewById(R.id.tv);
31     }
32
33     public void getWeather(View v){
34         Retrofit retrofit = new Retrofit.Builder().baseUrl("https://api.openweathermap.org/data/2.5/").addConverterFactory(GsonConverterFactory.create()).build();
35         weatherapi myapi = retrofit.create(weatherapi.class);
36         Call<Example> examplecall = myapi.getWeather(et.getText().toString().trim(), apiKey);
37         examplecall.enqueue(new Callback<Example>() {
38             @Override
39             public void onResponse(Call<Example> call, Response<Example> response) {
40                 if(response.code() == 404){
41                     Toast.makeText(context: MainActivity.this, text: "Enter Valid City Name", Toast.LENGTH_LONG).show();
42                 }else if(!response.isSuccessful()){
43                     Toast.makeText(context: MainActivity.this, response.code(), Toast.LENGTH_SHORT).show();
44                 }
45                 Example mydata = response.body();
46                 Main main = mydata.getMain();
47                 Double temp = main.getTemp();
48                 Integer temperature = (int)(temp - 273.15);
49                 tv.setText(String.valueOf(temperature + "C"));
50             }
51         });
52     }
53 }
```

Launch succeeded (a minute ago)

52:22 LF UTF-8 4 spaces main Material Oceanic



WeatherApp - Main.java [WeatherApp.app.main]

WeatherApp > app > src > main > java > com > example > weatherapp > Main

Android

Project

app

manifests

java

com.example.weatherapp

Example

Main

MainActivity

weatherapi

com.example.weatherapp (androidTest)

com.example.weatherapp (test)

java (generated)

com.example.weatherapp

BuildConfig

res

drawable

ic\_launcher\_background.xml

ic\_launcher\_foreground.xml (v24)

t.jpg

layout

activity\_main.xml

miplmap

values

xml

res (generated)

Gradle Scripts

Main.java

```
1 package com.example.weatherapp;
2
3 import ...
4
5 public class Main {
6     @SerializedName("temp")
7     @Expose
8     private Double temp;
9     @SerializedName("pressure")
10    @Expose
11    private Integer pressure;
12    @SerializedName("humidity")
13    @Expose
14    private Integer humidity;
15    @SerializedName("temp_min")
16    @Expose
17    private Double tempMin;
18    @SerializedName("temp_max")
19    @Expose
20    private Double tempMax;
21    public Double getTemp() { return temp; }
22
23    public void setTemp(Double temp) { this.temp = temp; }
24    public Integer getPressure() { return pressure; }
25    public void setPressure(Integer pressure) { this.pressure = pressure; }
26    public Integer getHumidity() { return humidity; }
27    public void setHumidity(Integer humidity) { this.humidity = humidity; }
28    public Double getTempMin() { return tempMin; }
29    public void setTempMin(Double tempMin) { this.tempMin = tempMin; }
30    public Double getTempMax() { return tempMax; }
31    public void setTempMax(Double tempMax) { this.tempMax = tempMax; }
32
33 }
34
```

Externally added files can be added to Git

View Files Always Add Don't Ask Again

Event Log Layout Inspector

53:1 LF UTF-8 4 spaces main Material Oceanic

20:48 06-06-2022

WeatherApp - Example.java [WeatherApp.app.main]

WeatherApp > app > src > main > java > com > example > weatherapp > Example >

Android

- app
  - manifests
  - java
    - com.example.weatherapp
      - Example
      - Main
      - MainActivity
      - weatherapi
    - com.example.weatherapp (androidTest)
    - com.example.weatherapp (test)
    - java (generated)
      - com.example.weatherapp
    - res
      - drawable
        - ic\_launcher\_background.xml
        - ic\_launcher\_foreground.xml (v24)
      - t.jpg
      - layout
        - activity\_main.xml
      - mipmap
      - values
      - xml
      - res (generated)
    - Gradle Scripts

MainActivity.java × activity\_main.xml × Main.java × Example.java × weatherapi.java ×

```
1 package com.example.weatherapp;
2
3 import com.google.gson.annotations.SerializedName;
4
5 public class Example {
6     @SerializedName("main")
7     Main main;
8
9     public Main getMain() { return main; }
10
11
12     public void setMain(Main main) {
13         this.main = main;
14     }
15 }
16
17
```

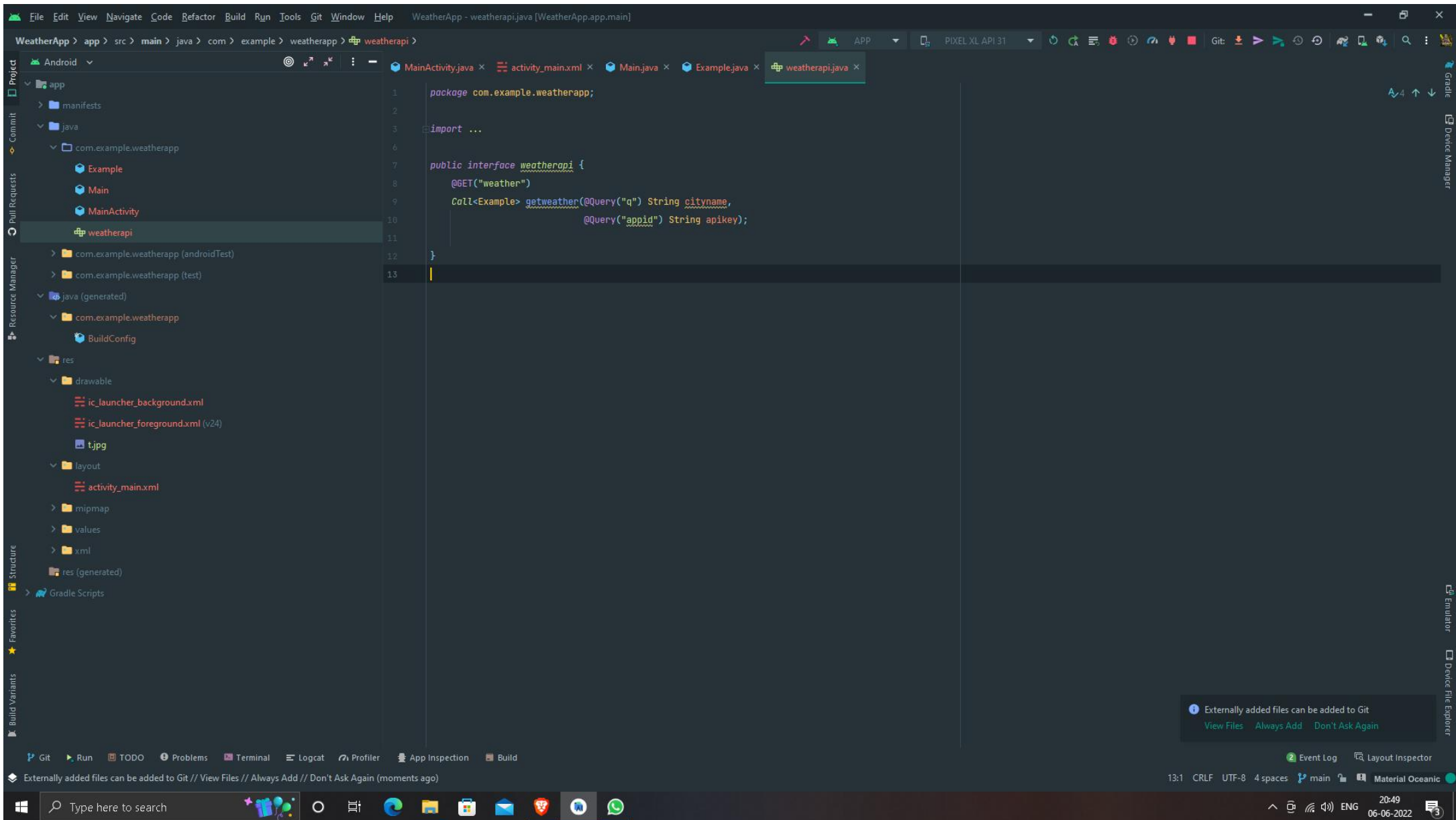
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20:48 06-06-2022





8:48

## WeatherApp

Bangalore

GET WEATHER

24C

8:49



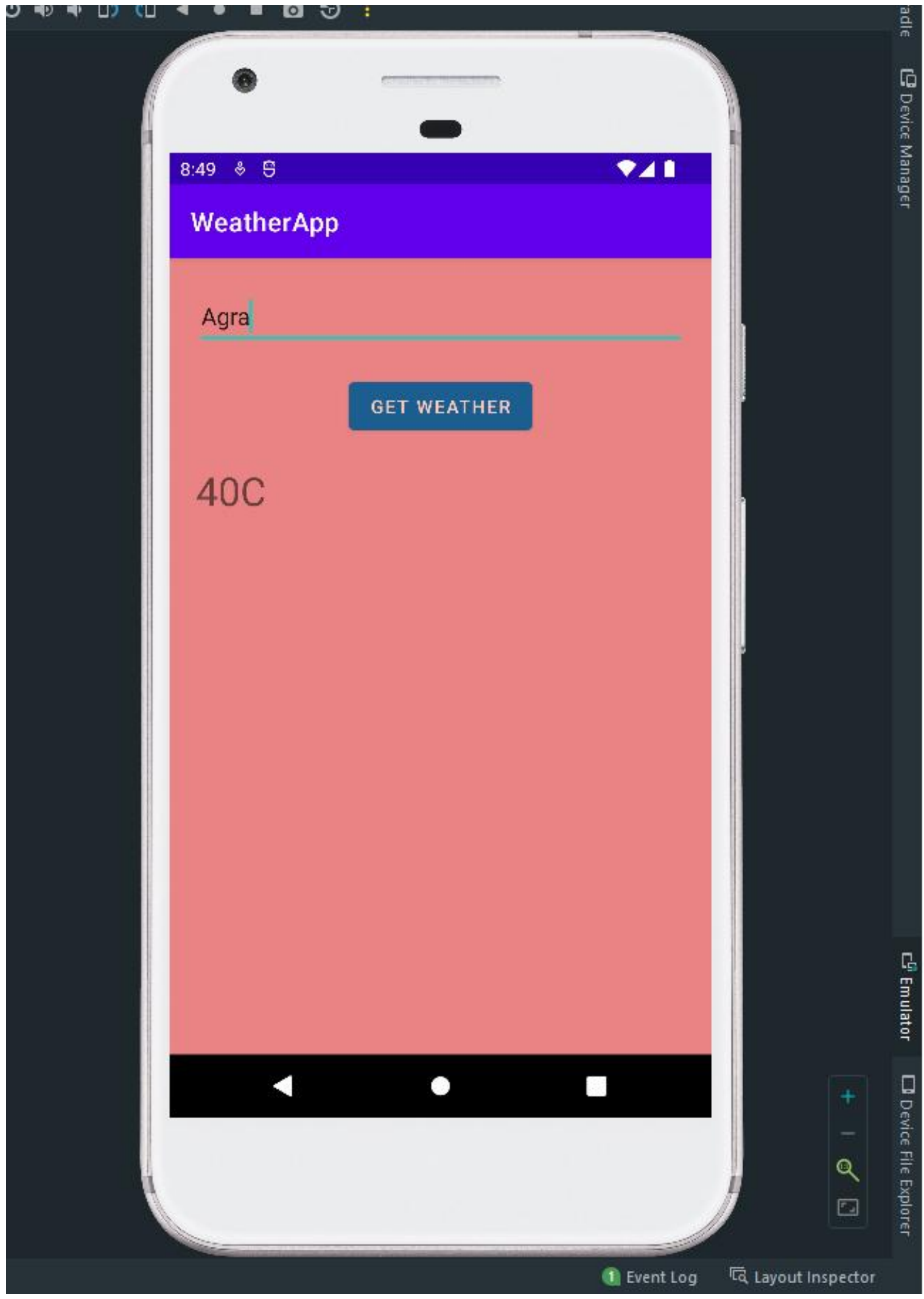
## WeatherApp

Delhi

GET WEATHER

39C





8:49

# WeatherApp

Agra

GET WEATHER

40C