

```

1  package com.example.weatherapp;
2
3  import android.content.Context;
4  import android.view.LayoutInflater;
5  import android.view.View;
6  import android.view.ViewGroup;
7  import android.widget.ImageView;
8  import android.widget.TextView;
9
10 import androidx.annotation.NonNull;
11 import androidx.recyclerview.widget.RecyclerView;
12
13 import java.lang.ref.WeakReference;
14 import java.text.DateFormatSymbols;
15 import java.util.ArrayList;
16 import java.util.Calendar;
17
18 public class RecyclerViewAdapter extends RecyclerView.Adapter<RecyclerView.ViewHolder>
19 {
20     WeatherInformation[] weatherInformations;
21     LayoutInflater inflater;
22
23     WeakReference<Context> mainContext;
24
25     public RecyclerViewAdapter(Context context, WeatherInformation[] weatherInformations)
26     {
27         inflater = LayoutInflater.from(context);
28         mainContext = new WeakReference<>(context);
29         this.weatherInformations = weatherInformations;
30     }
31
32     public class ViewHolder extends RecyclerView.ViewHolder {
33         public ViewHolder(@NonNull View itemView) {
34             super(itemView);
35         }
36     }
37
38     @Override
39     public ViewHolder onCreateViewHolder(ViewGroup parent, int viewType) {
40         View view = inflater.inflate(R.layout.otherday_weather_condition_recycler_row,
41             parent, false);
42         ViewHolder holder = new ViewHolder(view);
43         return holder;
44     }
45
46     @Override
47     public void onBindViewHolder(ViewHolder holder, int position) {
48         WeatherInformation weatherInformation = weatherInformations[position];
49
50         int drawableResourceId = holder.itemView.getResources().getIdentifier(
51             "weathericon_".concat(weatherInformation.getIconName()), "drawable",
52             mainContext.get().getPackageName());
53         ImageView weatherIcon = holder.itemView.findViewById(R.id.
54             imageViewOtherDayWeatherConditionIcon);
55         weatherIcon.setImageResource(drawableResourceId);
56
57         TextView maxTempTextView = holder.itemView.findViewById(R.id.
58             textViewOtherDayWeatherConditionMaxTemp);
59         TextView minTempTextView = holder.itemView.findViewById(R.id.
60             textViewOtherDayWeatherConditionMinTemp);
61         TextView weatherConditionNameTextView = holder.itemView.findViewById(R.id.
62             textviewotherDayWeatherConditionName);
63         TextView dayNameTextView = holder.itemView.findViewById(R.id.textViewDayName);
64
65         String dayNames[] = new DateFormatSymbols().getWeekdays();
66         int maxTemp = (int) weatherInformation.getMaxTemp();
67         int minTemp = (int) weatherInformation.getMinTemp();
68
69         maxTempTextView.setText(Integer.toString(maxTemp).concat("°"));
70         minTempTextView.setText(Integer.toString(minTemp).concat("°"));
71         weatherConditionNameTextView.setText(weatherInformation.getName());
72         dayNameTextView.setText(dayNames[weatherInformation.getCalendar().get(Calendar

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        .DAY_OF_WEEK)]];
65
66     }
67
68     @Override
69     public int getItemCount() {
70         return weatherInformations.length;
71     }
72
73 }
74
75
```