

```
package edu.udayton.medicalcalculator;

import android.app.Activity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;

public class WelcomeActivity extends Activity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_welcome);

        // get constant reference to openButton
        final Button openBtn = (Button)findViewById(R.id.openButton);

        // create onClick listener/handler for openButton
        View.OnClickListener btnListener = new View.OnClickListener()
        {
            @Override
            public void onClick(View v)
            {
                // create Intent to start MainActivity
                Intent intent = new Intent(WelcomeActivity.this, MainActivity.class);

                // launch MainActivity via intent
                startActivity(intent);
            }
        };

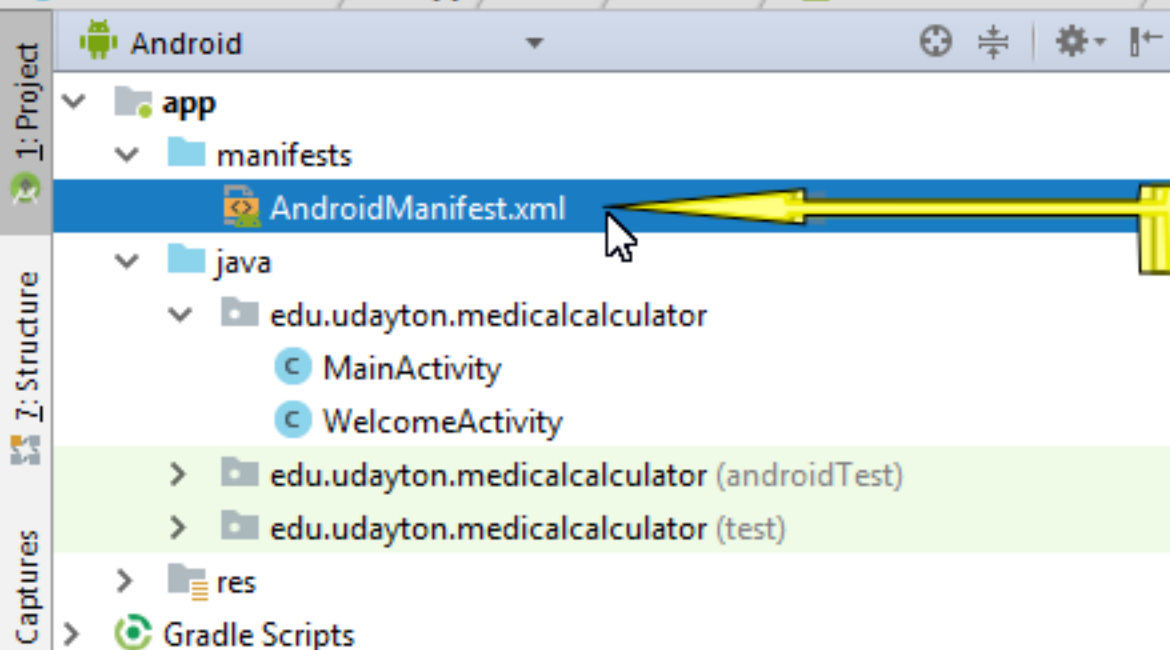
        // set btnListener as openBtn's listener
        openBtn.setOnClickListener(btnListener);
    } // end onCreate method
} // end WelcomeActivity
```

OK, so now we have an app with two Activities, both of which are Launcher activities.

That means that if we installed this app on an Android device, two apps would appear, one for each Activity.

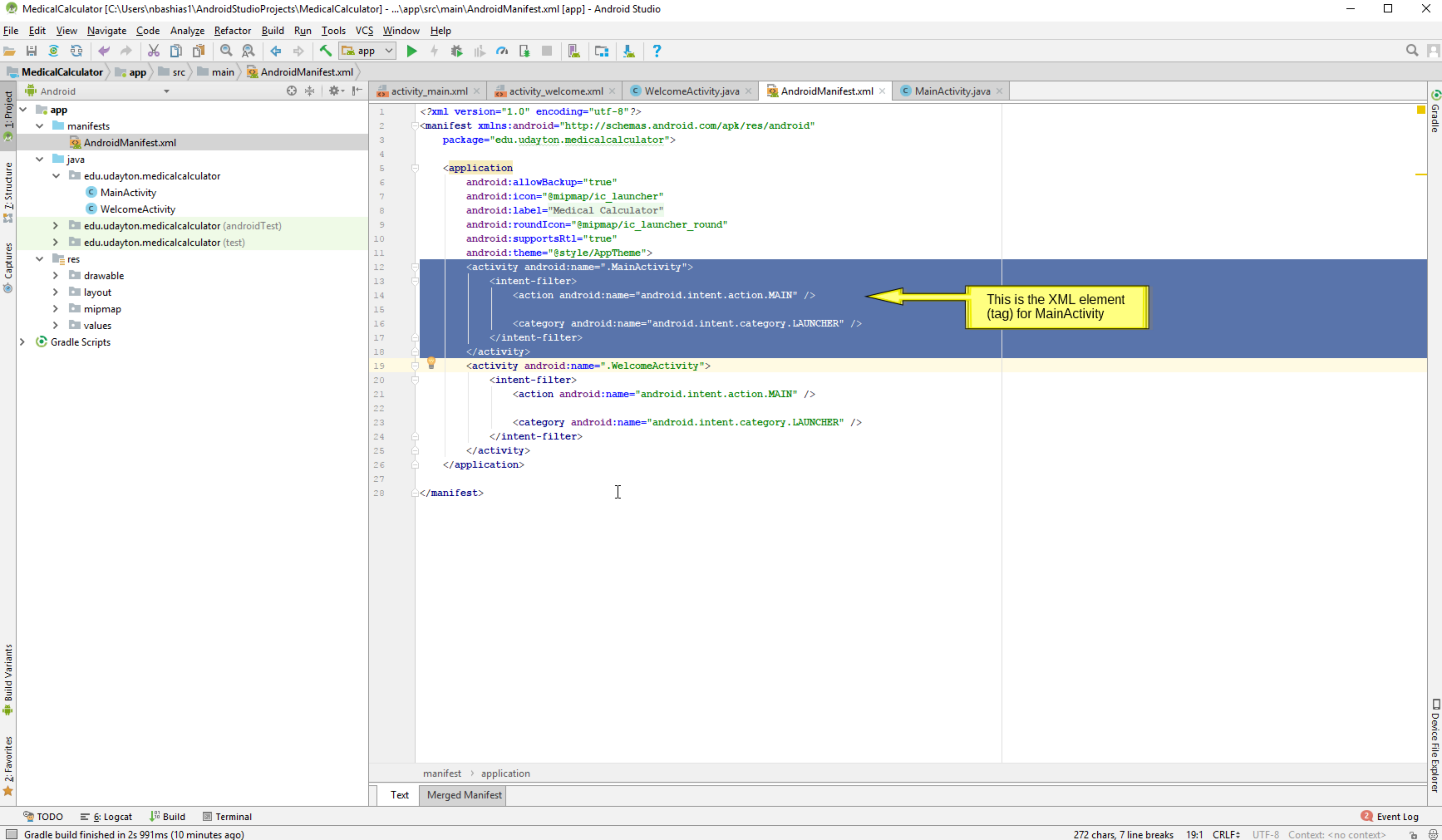
What we need to do now is remove MainActivity's "launcher status" so that only the WelcomeActivity is opened when the app is launched.

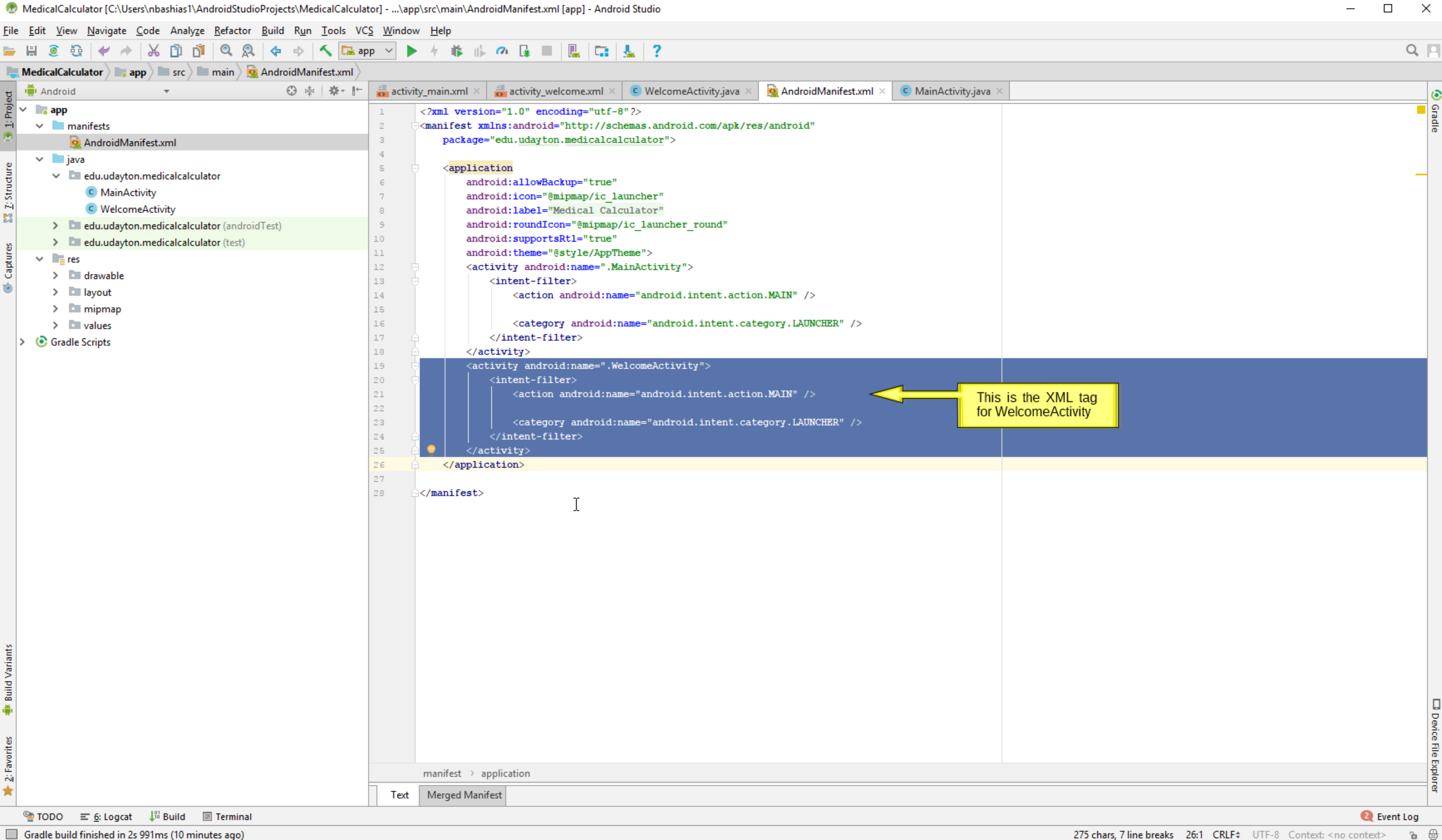
We do this by modifying the AndroidManifest.xml file. AndroidManifest.xml is like the main configuration file for the app.

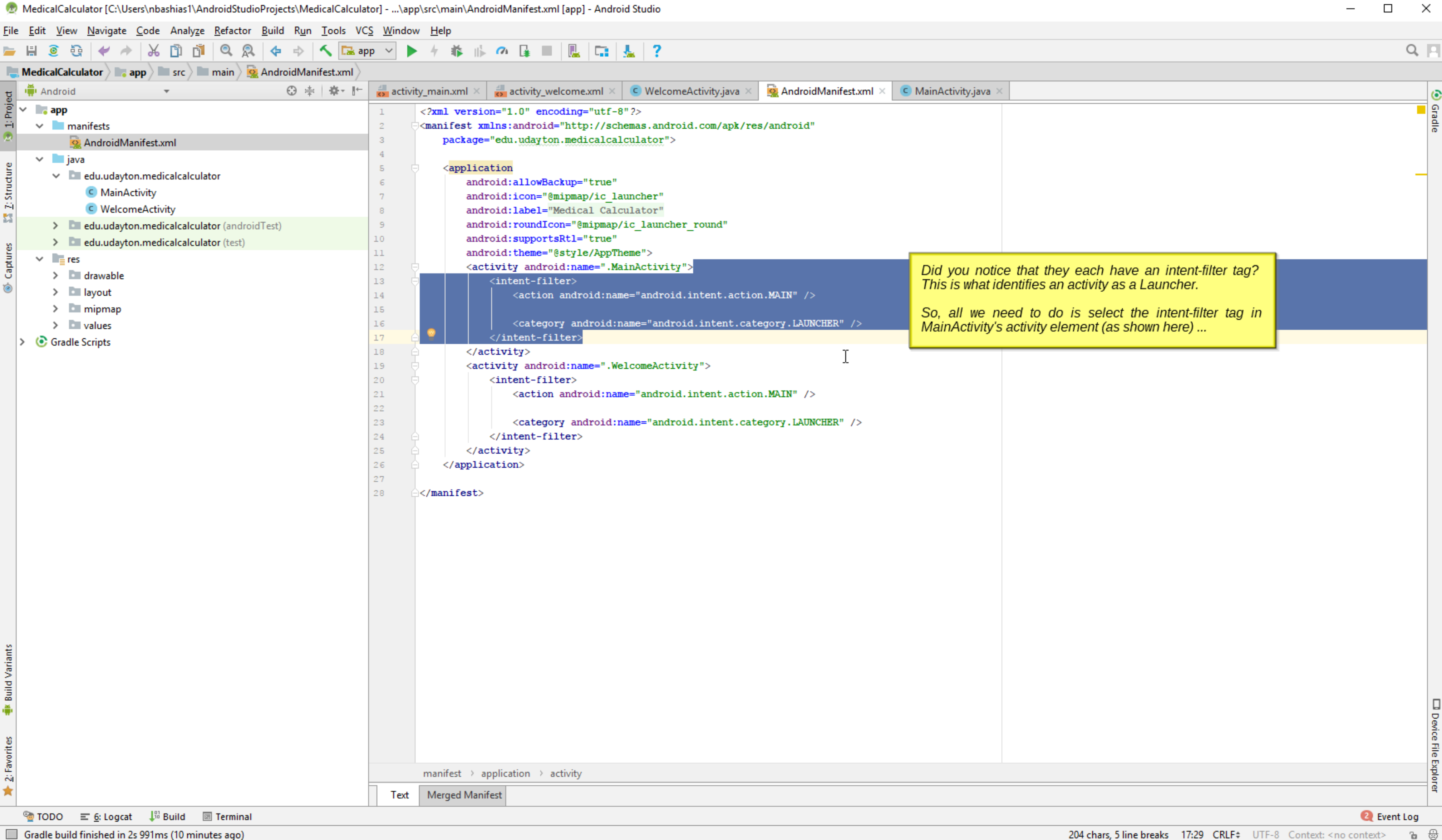


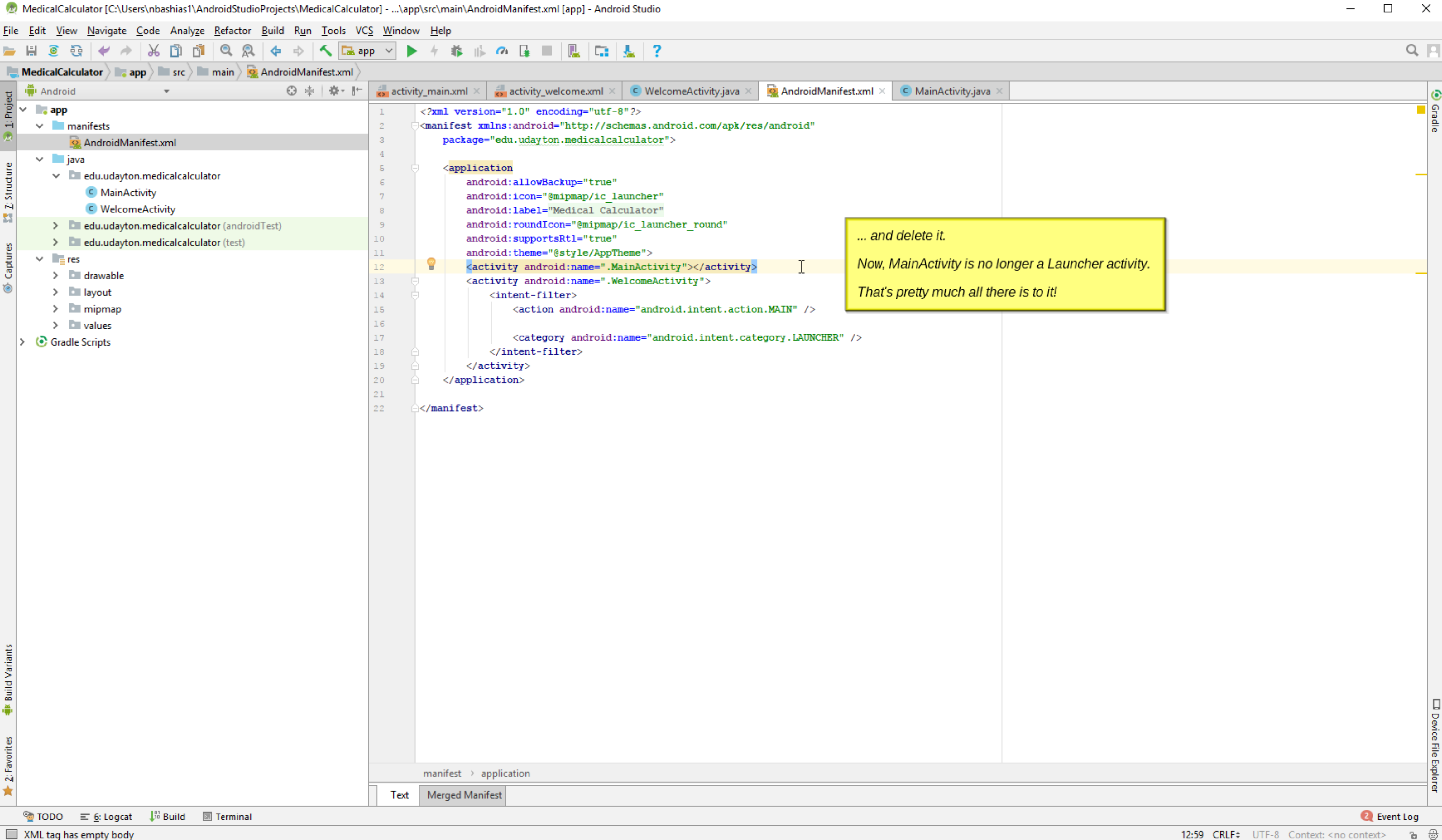
Then, open the AndroidManifest.xml file

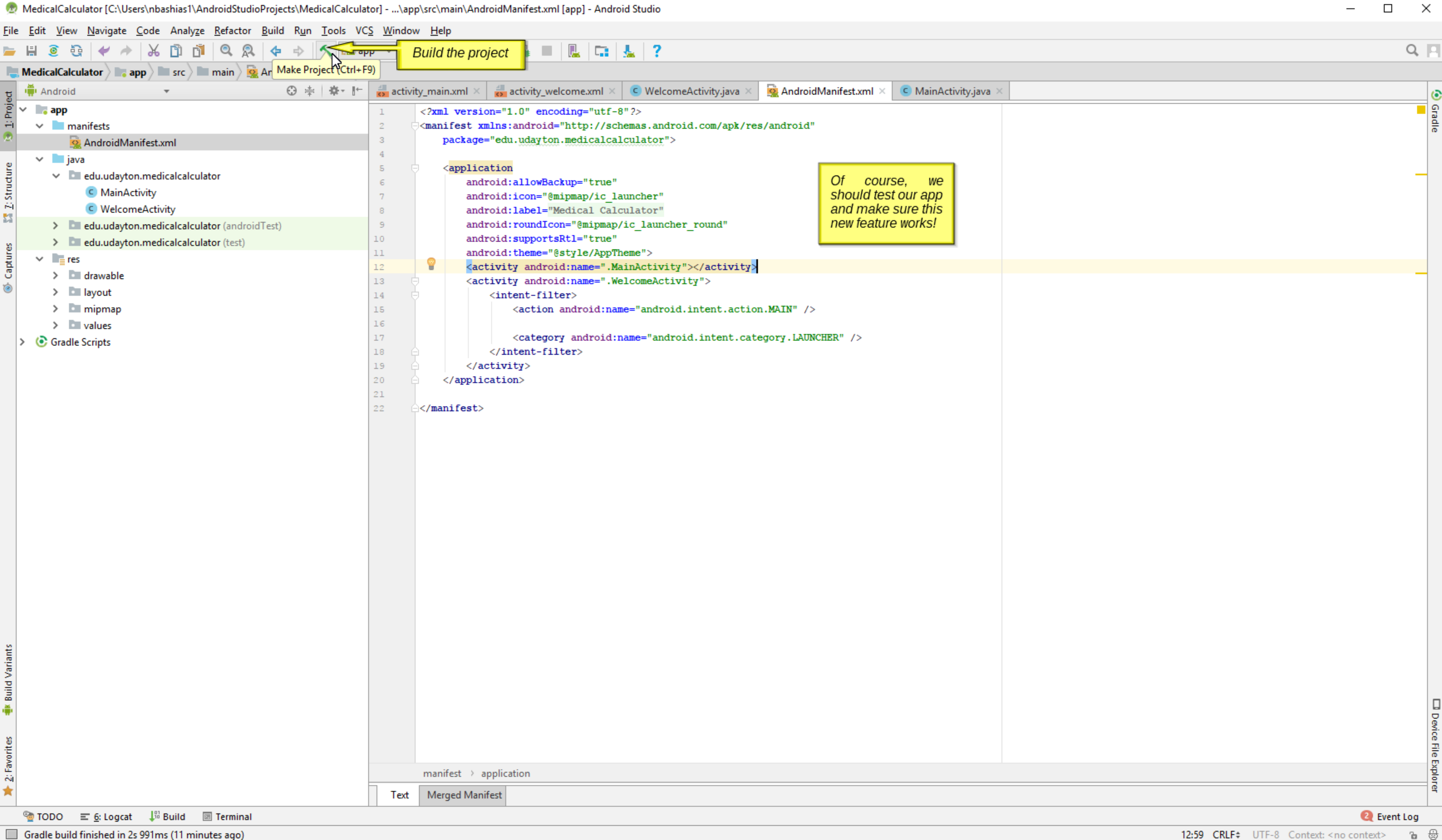
```
1 package edu.udayton.medicalcalculator;
2
3
4
5 import android.os.Bundle;
6 import android.view.View;
7 import android.widget.Button;
8
9 public class WelcomeActivity extends Activity {
10
11     @Override
12     protected void onCreate(Bundle savedInstanceState) {
13         super.onCreate(savedInstanceState);
14         setContentView(R.layout.activity_welcome);
15
16         // get constant reference to openButton
17         final Button openBtn = (Button)findViewById(R.id.openButton);
18
19         // create onClick listener/handler for openButton
20         View.OnClickListener btnListener = new View.OnClickListener()
21         {
22             @Override
23             public void onClick(View v)
24             {
25                 // create Intent to start MainActivity
26                 Intent intent = new Intent(WelcomeActivity.this, MainActivity.class);
27
28                 // launch MainActivity via intent
29                 startActivity(intent);
30             }
31         };
32
33         // set btnListener as openBtn's listener
34
35         openBtn.setOnClickListener(btnListener);
36     } // end onCreate method
37 } // end WelcomeActivity
38
```

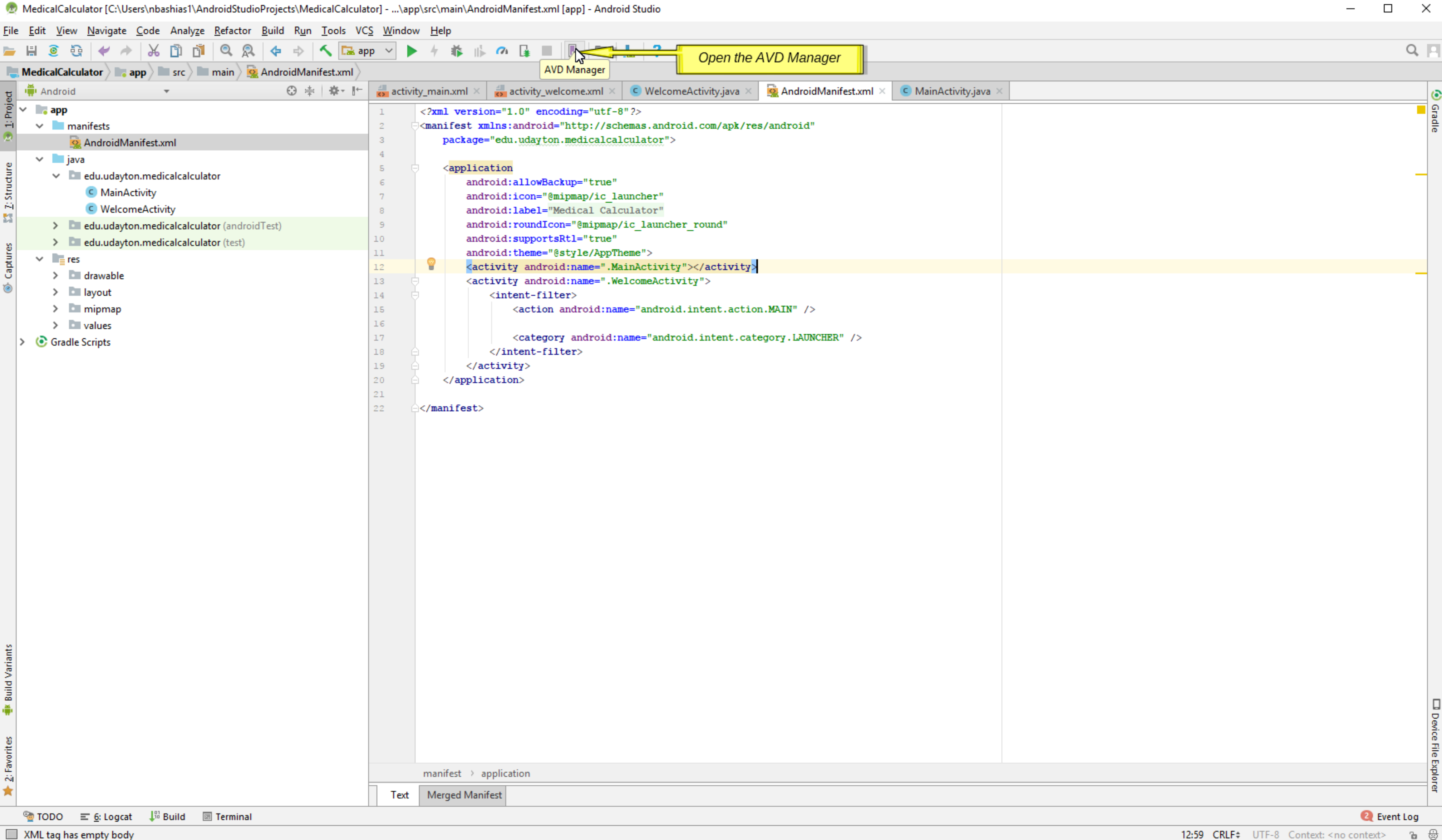



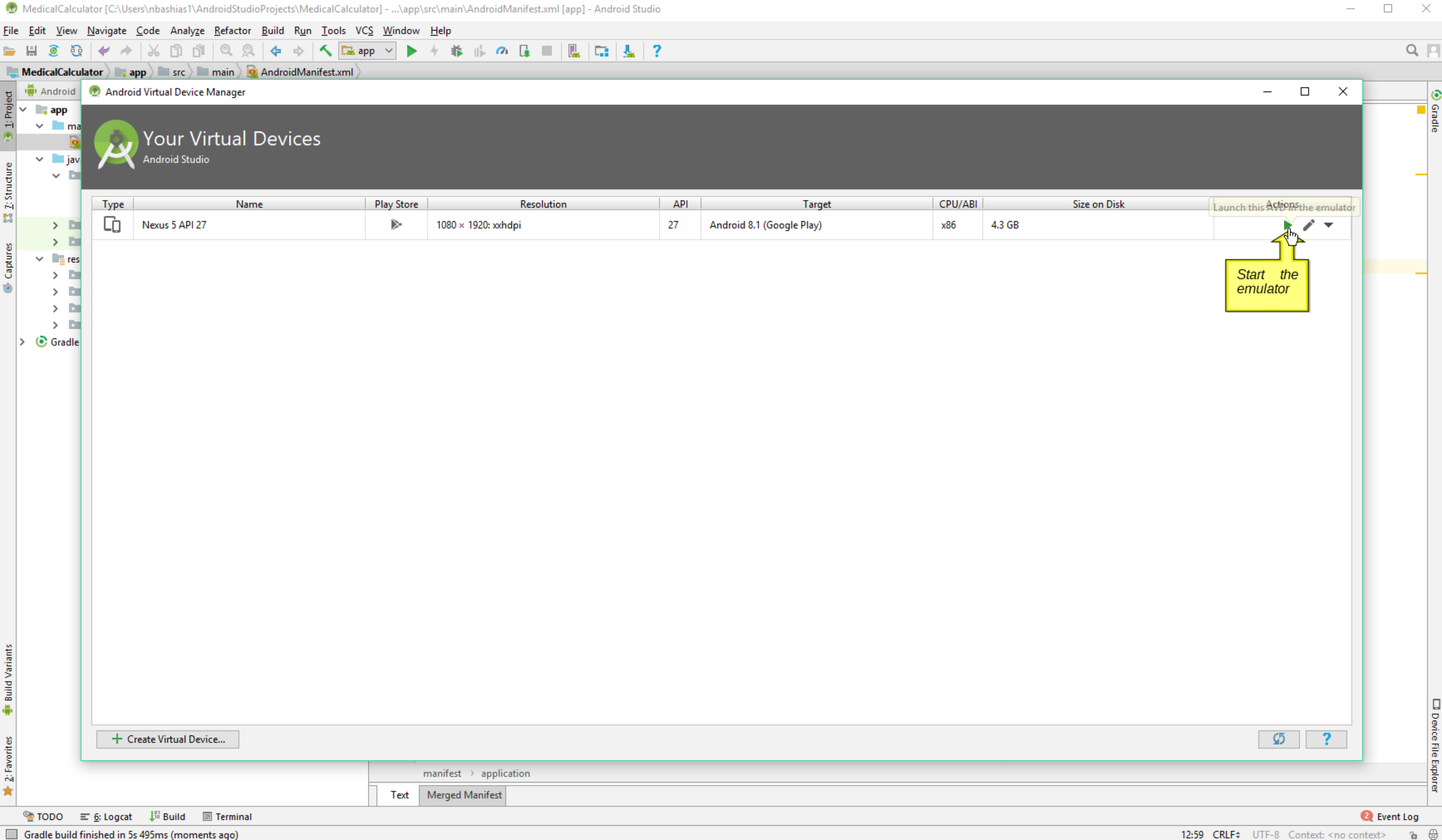












Your Virtual Devices

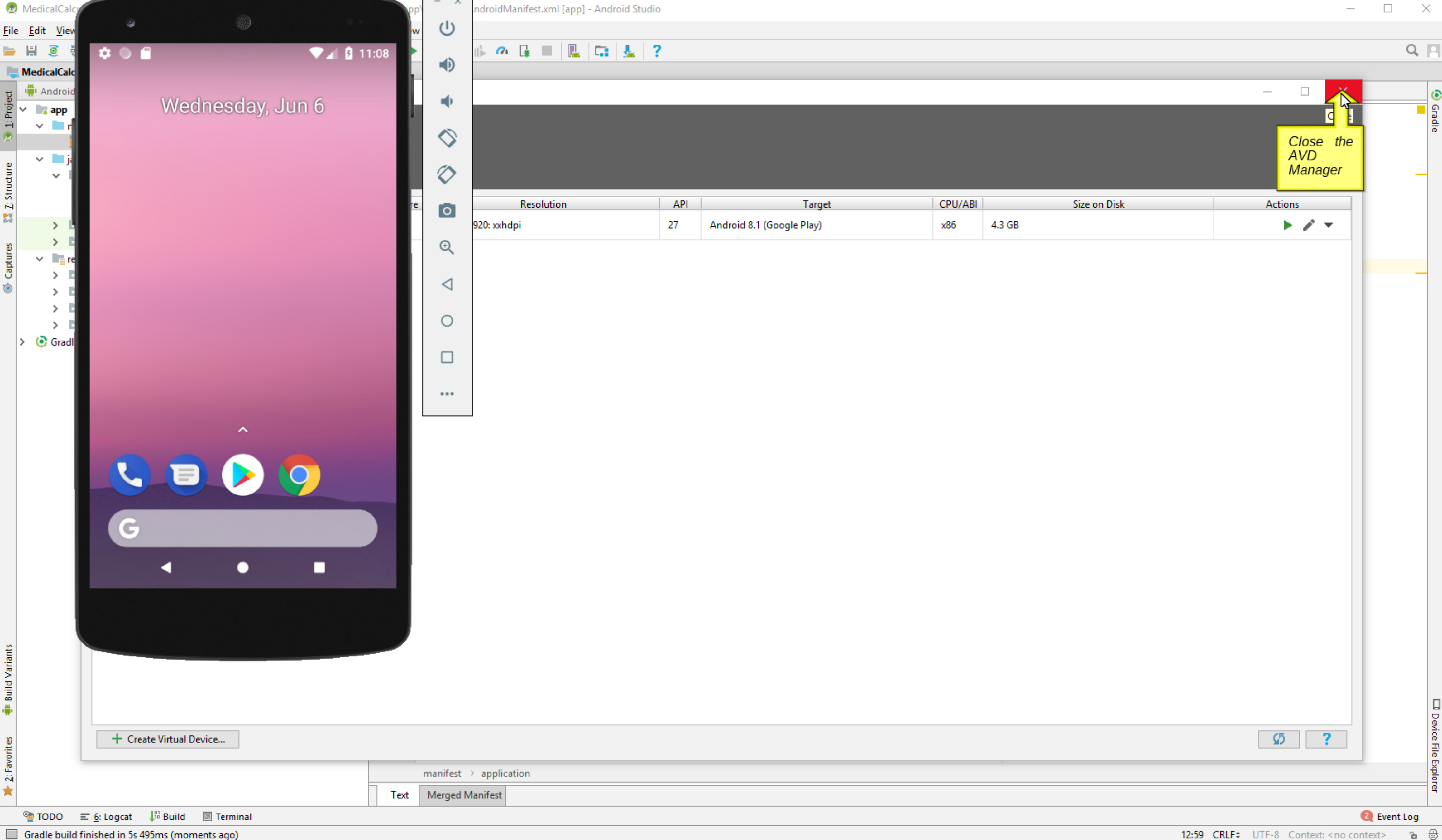
Android Studio

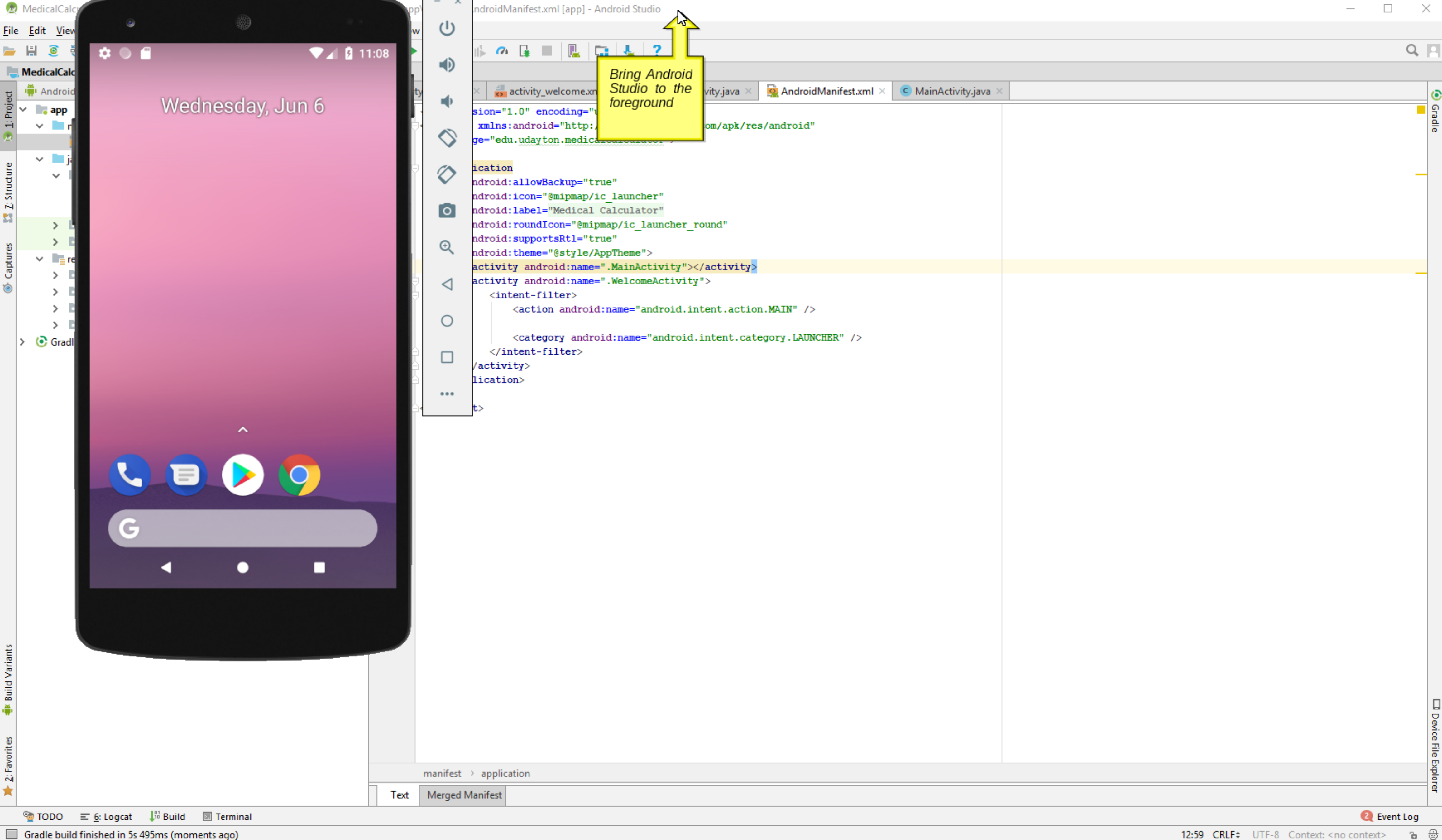
Type	Name	Play Store	Resolution	API	Target	CPU/ABI	Size on Disk	Actions
	Nexus 5 API 27		1080 x 1920: xxhdpi	27	Android 8.1 (Google Play)	x86	4.3 GB	

+ Create Virtual Device...

Launch this AVD in the emulator

Start the emulator





Bring Android Studio to the foreground

Wednesday, Jun 6

```
<?xml version="1.0" encoding="utf-8"
xmlns:android="http://schemas.android.com/apk/res/android"
package="edu.udayton.medicalcalculator"
android:allowBackup="true"
android:icon="@mipmap/ic_launcher"
android:label="Medical Calculator"
android:roundIcon="@mipmap/ic_launcher_round"
android:supportRtl="true"
android:theme="@style/AppTheme">
    <activity android:name=".MainActivity"></activity>
    <activity android:name=".WelcomeActivity">
        <intent-filter>
            <action android:name="android.intent.action.MAIN" />
            <category android:name="android.intent.category.LAUNCHER" />
        </intent-filter>
    </activity>
</manifest>
```

manifest > application

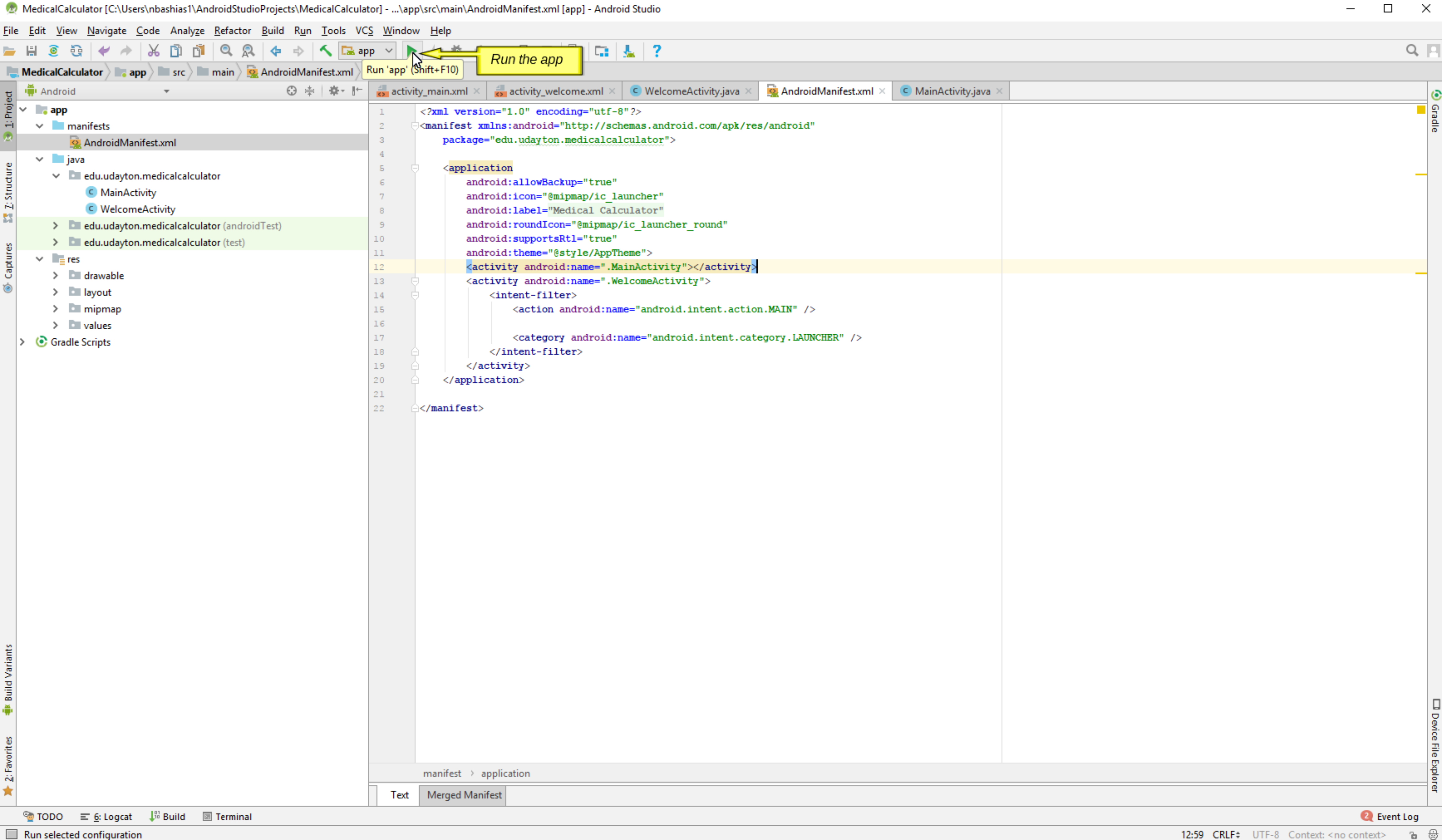
Text Merged Manifest

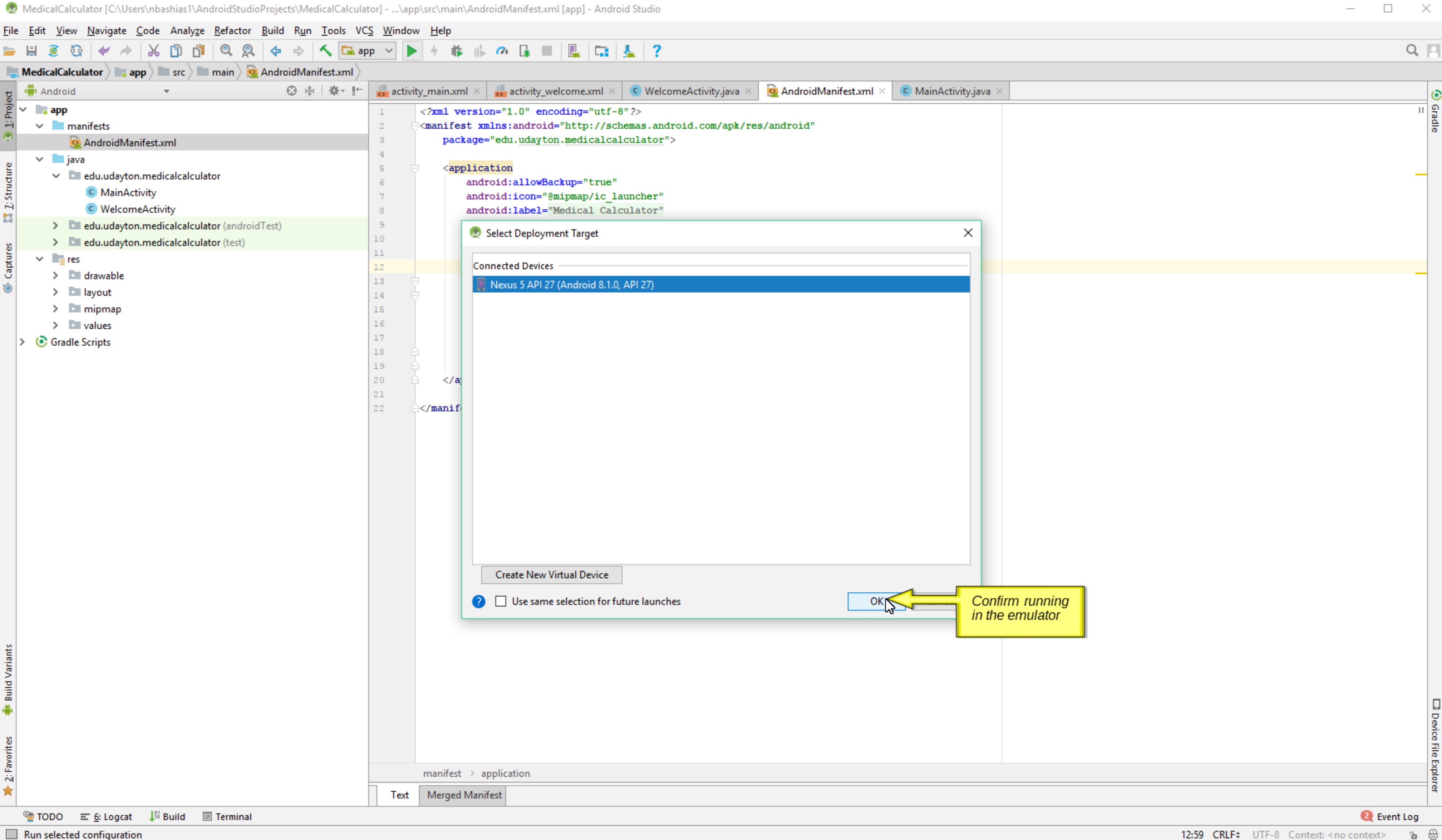
TODO Logcat Build Terminal

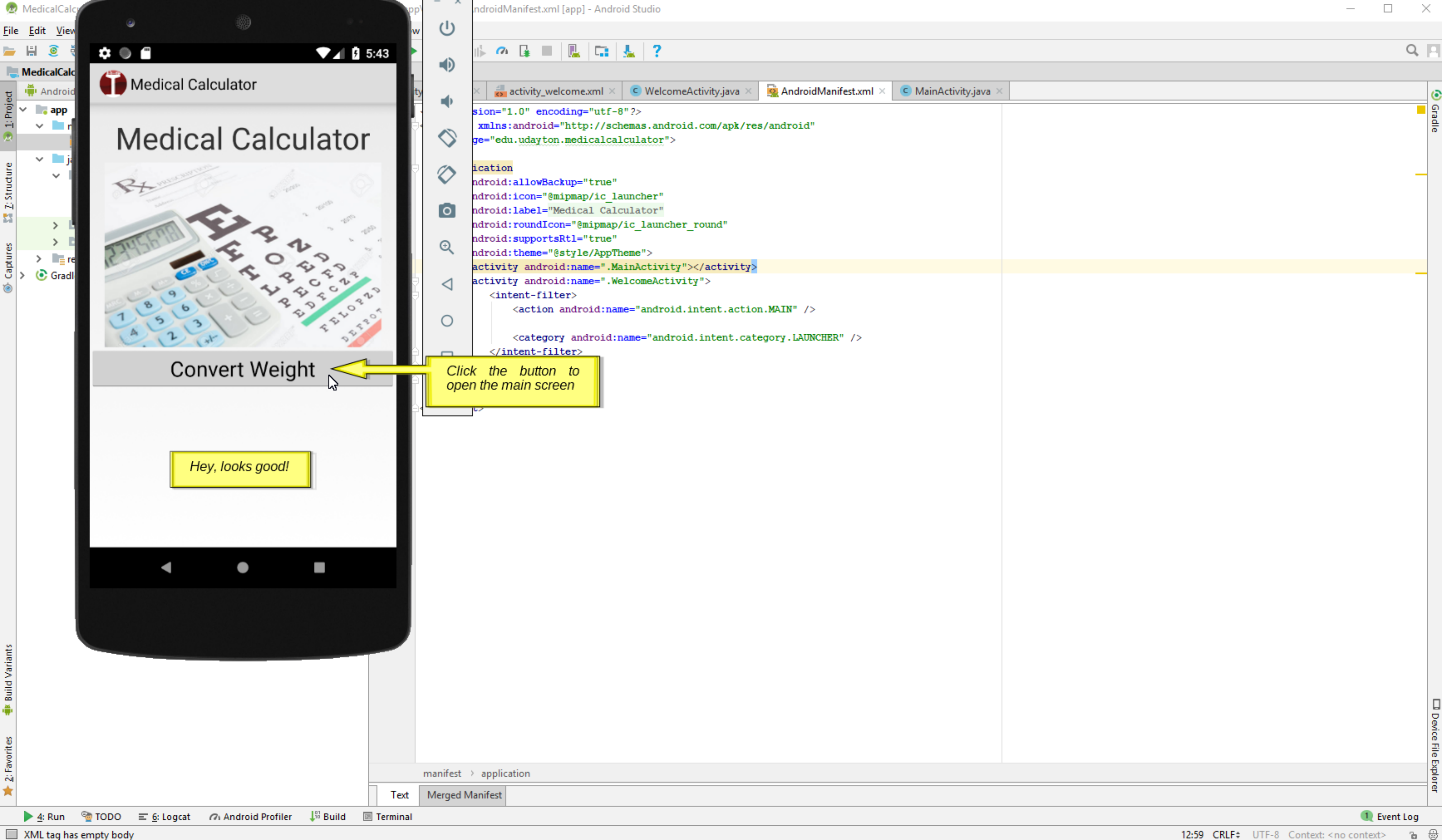
Event Log

Gradle build finished in 5s 495ms (moments ago)

12:59 CRLF UTF-8 Context: <no context>







Medical Calculator

Medical Calculator



Convert Weight

Hey, looks good!

Click the button to
open the main screen

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="edu.udayton.medicalcalculator">

    <uses-permission android:name="android.permission.INTERNET"></uses-permission>

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="Medical Calculator"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportRtl="true"
        android:theme="@style/AppTheme">
        <activity android:name=".MainActivity"></activity>
        <activity android:name=".WelcomeActivity">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

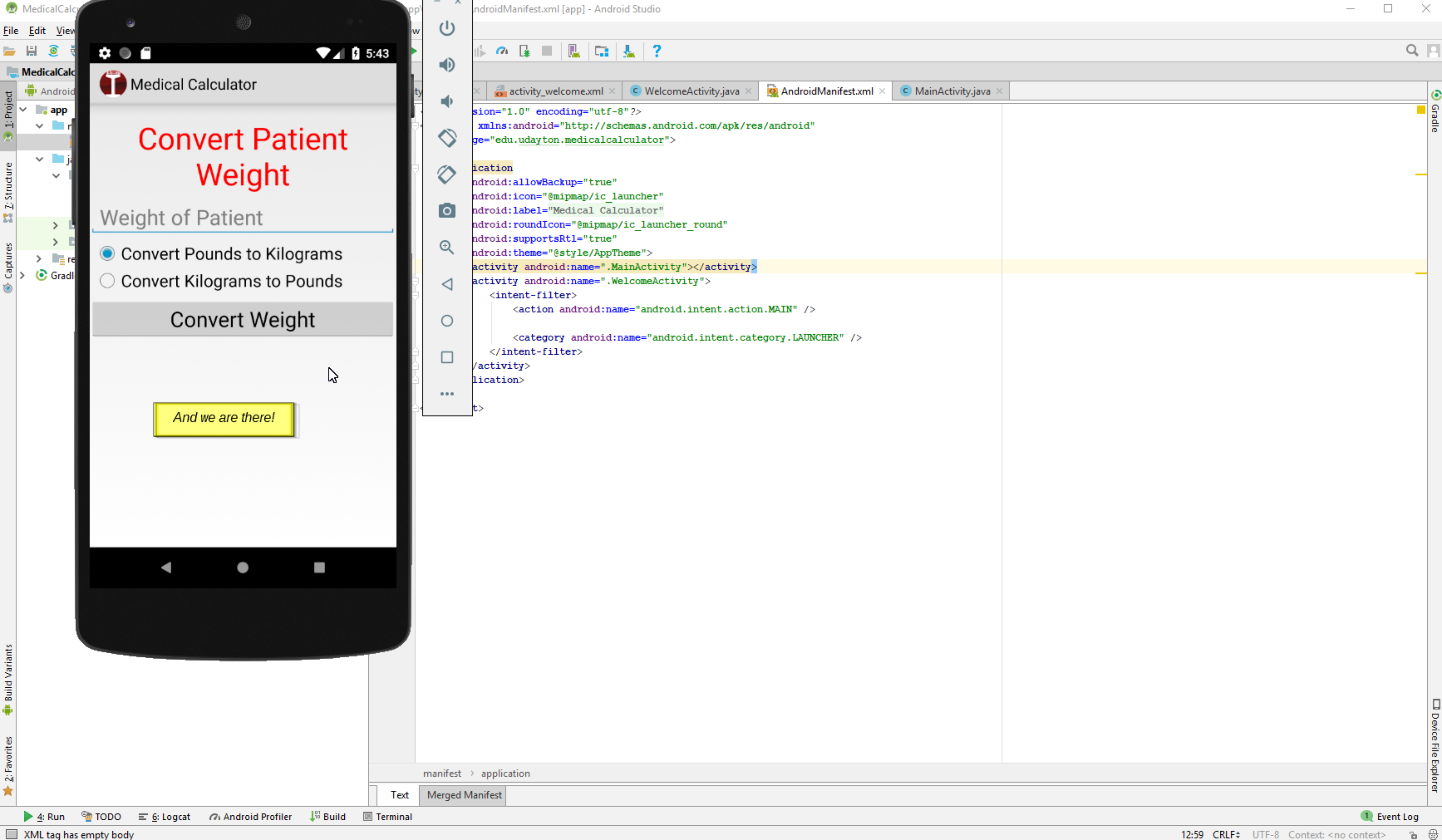
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>
</manifest>
```

manifest > application

Text Merged Manifest

Event Log

12:59 CRLF UTF-8 Context: <no context>



Convert Patient Weight

Weight of Patient

- ☒ Convert Pounds to Kilograms
- ☐ Convert Kilograms to Pounds

Convert Weight

And we are there!

```
<?xml version="1.0" encoding="utf-8" ?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="edu.udayton.medicalcalculator">

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="Medical Calculator"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportRtl="true"
        android:theme="@style/AppTheme">
        <activity android:name=".MainActivity"></activity>
        <activity android:name=".WelcomeActivity">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>
</manifest>
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