

MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - ...app\src\main\java\edu\udayton\medicalcalculator>MainActivity.java [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator app src main java

[app] C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator\app\src\main\res\layout\activity\_main.xml

Switch to the MainActivity's layout (click this tab)

```
1 package edu.udayton.m
2
3 import ...
4
5
6 public class MainActivity extends AppCompatActivity {
7
8     @Override
9     protected void onCreate(Bundle savedInstanceState) {
10         super.onCreate(savedInstanceState);
11         setContentView(R.layout.activity_main);
12     }
13 }
14
```

1:Project

Resource Manager

Build Variants

Favorites

Layout Captures

2: Favorites

Gradle Scripts

Device File Explorer

TODO Terminal Build Logcat

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (moments ago)

1:1 CRLF UTF-8 4 spaces

MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - ...app\src\main\res\layout\activity\_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator app src main res layout activity\_main.xml

1:Project

Resource Manager

Build Variants

2:Structure

Layout Captures

2: Favorites

1: Project

Android

app

manifests

java

edu.udayton.medicalcalculator

MainActivity

edu.udayton.medicalcalculator (androidTest)

edu.udayton.medicalcalculator (test)

generatedJava

res

Gradle Scripts

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

activity\_main.xml MainActivity.java

Attributes

Ab <unnamed> TextView

id

Declared Attributes

Layout

Component Tree

ConstraintLayout

Ab TextView- "Hello World!"

As in Lesson 3, we'll keep and customize the auto-generated Hello World! TextView as the title TextView in Part 2 of this lesson.

Design Text

32% Attributes

Pixel 28 AppTheme Default (en-us)

layout\_width wrap\_content

layout\_height wrap\_content

visibility visibility

Common Attributes

text Hello World!

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

Device File Explorer

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (moments ago)

The screenshot shows the Android Studio interface with the project 'MedicalCalculator' open. The 'activity\_main.xml' layout file is being edited. The layout consists of a white 'ConstraintLayout' containing two 'Hello World!' TextViews. One TextView is positioned at the top center, and the other is positioned below it. A yellow callout box with a black border and a black arrow points to the top TextView. Inside the callout box, the text reads: 'As in Lesson 3, we'll keep and customize the auto-generated Hello World! TextView as the title TextView in Part 2 of this lesson.' The right side of the screen displays the 'Attributes' panel for the selected TextView, showing various properties like 'text' (set to 'Hello World!'), 'textAppearance' (set to '@android:style/TextAp'), and 'textSize' (set to '14sp'). The bottom of the screen shows tabs for 'Design' and 'Text', with 'Design' currently selected. The top navigation bar includes standard options like File, Edit, View, and Help.

MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - ...app\src\main\res\layout\activity\_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator app

Android

1:Project

app

manifests

java

edu.udayton.medicalcalculator

MainActivity

edu.udayton.medicalcalculator (androidTest)

edu.udayton.medicalcalculator (test)

generatedJava

res

Gradle Scripts

Resource Manager

2:Structure

Layout Variants

3:Favorites

Layout Captures

activity\_main.xml

MainActivity.java

Palette

Common

Ab TextView

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Pixel 28 AppTheme Default (en-us) 32% Attributes

Let's add a custom launcher icon

First, make sure that you have downloaded the icon file 'ic\_launcher\_weight.png' from the Isidore site, in the section:

Downloads > Android Boot Camp Data Files > Chapter 4 Data Files

Using the Launcher Icon is also discussed on pages 132-134 of Android Boot Camp

Note, however, that pages 134-138 of Android Boot Camp discuss customizing the launcher icon in Android Studio v. 1.x  
This lesson describes customizing the launcher icon in Android Studio v. 3.x

Component Tree

ConstraintLayout

Ab TextView- "Hello World!"

Design Text

Attributes

id

Declared Attributes

Layout

0 50 0 0 50

layout\_width wrap\_content

layout\_height wrap\_content

visibility

visibility

Common Attributes

text Hello World!

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

Device File Explorer

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (a minute ago)

MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - ...app\src\main\res\layout\activity\_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator app

Select, then right-click the 'app' in the Project explorer

Attributes

Ab <unnamed>

id

Declared Attributes

Layout

Component Tree

ConstraintLayout

Ab TextView- "Hello World!"

Design Text

32%

Pixel 28 AppTheme Default (en-us)

Resource Manager

Project

Manifests Java edu.udayton.medicalcalculator MainActivity edu.udayton.medicalcalculator (androidTest) edu.udayton.medicalcalculator (test) generatedJava res Gradle Scripts

Build Variants

Layout Captures

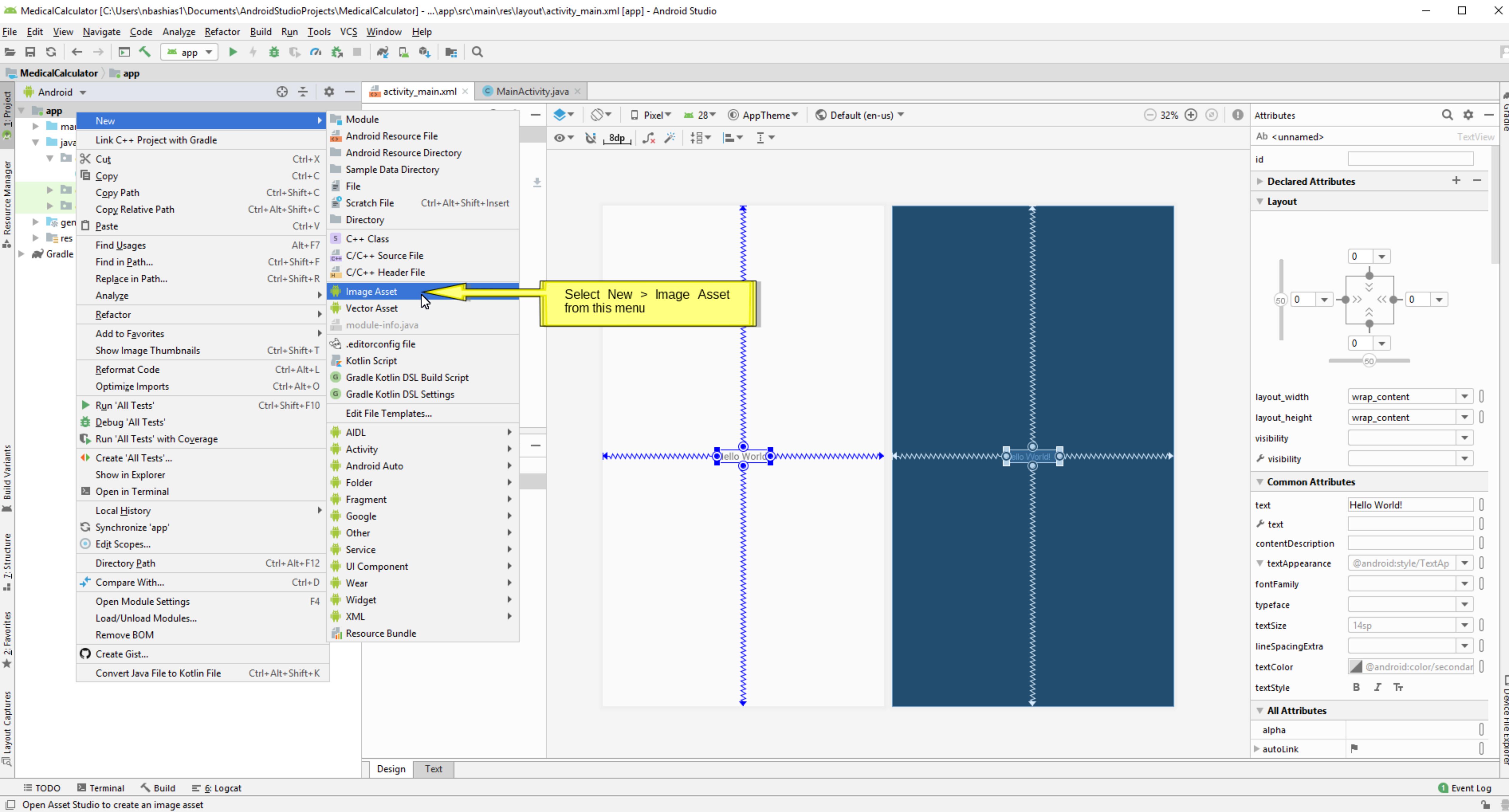
2 Favorites

1 Structure

Device File Explorer

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (a minute ago)

The screenshot shows the Android Studio interface for a project named "MedicalCalculator". The project structure is visible in the left sidebar, with the "app" module selected. A yellow callout box with the text "Select, then right-click the 'app' in the Project explorer" points to the "app" node. The main workspace displays the "activity\_main.xml" layout file, which contains two "Hello World!" TextView components. The layout uses a ConstraintLayout. The "Design" tab is selected at the bottom. The top navigation bar includes "File", "Edit", "View", "Navigate", "Code", "Analyze", "Refactor", "Build", "Run", "Tools", "VCS", "Window", and "Help". The toolbar has icons for file operations like Open, Save, and Run. The status bar at the bottom shows "Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (a minute ago)".



MedicalCalculator > app

Android

1: Project

app

- manifests
- java
- edu.udayton.medicalcalculator
  - MainActivity
  - edu.udayton.medicalcalculator (androidTest)
  - edu.udayton.medicalcalculator (test)
- generatedJava
- res

Gradle Scripts

Resource Manager

Configure Image Asset

Icon Type: Launcher Icons (Adaptive and Legacy)

Name: ic\_launcher

Foreground Layer Background Layer Legacy

Layer Name: ic\_launcher\_foreground

Source Asset

Asset Type:  Image  Clip Art Click or press Shift+Enter

Path: wable-v24\ic\_launcher\_foreground.xml

Scaling

Trim:  Yes  No

Resize: 100 %

Preview

xhdpi  Show Safe Zone  Show Grid

An icon with the same name already exists and will be overwritten.

Previous Next Cancel Finish Help

Design Text

Attributes

Ab <unnamed>

id

Declared Attributes

Layout

layout\_width: wrap\_content

layout\_height: wrap\_content

visibility:

visibility:

Common Attributes

text: Hello World!

text:

contentDescription:

textAppearance: @android:style/TextAp

fontFamily:

typeface:

textSize: 14sp

lineSpacingExtra:

textColor: @android:color/secondar

textStyle: B I Tr

All Attributes

alpha:

autoLink:

Device File Explorer

MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - ...app\src\main\res\layout\activity\_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator app

Android

1: Project

app

- manifests
- java
- edu.udayton.medicalcalculator
- MainActivity
- edu.udayton.medicalcalculator (androidTest)
- edu.udayton.medicalcalculator (test)
- generatedJava
- res

Resource Manager

Gradle Scripts

Build Variants

Structure

Favorites

Layout Captures

Asset Studio

Configure Image Asset

Android Studio

Icon Type: Launcher Icons (Adaptive and Legacy)

Name: ic\_launcher

Foreground Layer Background Layer Legacy

Layer Name: ic\_launcher\_foreground

Source Asset

Asset Type:  Image  Clip Art  Text

Path: wable-v24\ic\_launcher\_foreground

Scaling

Trim:  Yes  No

Resize:

⚠ An icon with the same name already exists and will be overwritten.

Select Path

n\CPS499\Summer2019\Data Files\Chapter04\ic\_launcher\_weight.png

Show Safe Zone  Show Grid

Summer2019

- Data Files
  - Chapter02
  - Chapter03
  - Chapter04
    - carwash.png
    - ic\_launcher\_carwash.png
    - ic\_launcher\_photo.png
    - ic\_launcher\_weight.png
  - Chapter05
  - Chapter06
  - Chapter07
  - Chapter08
  - Chapter09
  - Chapter10
  - Chapter11

Full Bleed Layers Legacy Icon Round Icon Google Play Store

1. Select the image file

2. Click OK

OK Cancel Help Previous Next Cancel Finish Help

Design Text

Attributes

Ab <unnamed>

id

Declared Attributes

Layout

Common Attributes

text: Hello World!

textAppearance: @android:style/TextAp

fontFamily

typeface

textSize: 14sp

lineSpacingExtra

textColor: @android:color/secondary

textStyle: B I Tr

All Attributes

alpha

autoLink

Pixel 28 AppTheme Default (en-us) 32% Attributes

Resource Manager

Gradle

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (2 minutes ago)

MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - ...app\src\main\res\layout\activity\_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator app

Android

app

- manifests
- java
  - edu.udayton.medicalcalculator
  - MainActivity
  - edu.udayton.medicalcalculator (androidTest)
  - edu.udayton.medicalcalculator (test)
- generatedJava
- res

Gradle Scripts

Resource Manager

Configure Image Asset

Icon Type: Launcher Icons (Adaptive and Legacy)

Name: ic\_launcher

Foreground Layer Background Layer Legacy

Layer Name: ic\_launcher\_foreground

Source Asset

Asset Type: Image

Path: C:\Users\nbashias1\Downloads\Chapter04\ic\_launcher\_weight.png

Scaling

Trim: No

Resize: 100 %

Preview

xhdpi Show Safe Zone Show Grid

Circle Squircle Rounded Square Square

Full Bleed Layers Legacy Icon Round Icon Google Play Store

An icon with the same name already exists and will be overwritten.

Click Next

Previous Next Cancel Finish Help

Attributes

Ab <unnamed> TextView

id

Declared Attributes

Layout

layout\_width wrap\_content

layout\_height wrap\_content

visibility

visibility

Common Attributes

text Hello World!

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

Pixel 28 AppTheme Default (en-us) 32% 32% + - !

Design Text

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (2 minutes ago)

MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - ...app\src\main\res\layout\activity\_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator app

Android

1: Project

app

- manifests
- java
- edu.udayton.medicalcalculator
- MainActivity
- edu.udayton.medicalcalculator (androidTest)
- edu.udayton.medicalcalculator (test)

generatedJava

res

Gradle Scripts

Resource Manager

Build Variants

Structure

Favorites

Layout Captures

Asset Studio

Confirm Icon Path

Android Studio

Res Directory: main

Output Directories:

- main
- res
- drawable
- mipmap-anydpi-v26
- mipmap-xxhdpi
- mipmap-xhdpi
- mipmap-xhdpi
- mipmap-hdpi

Output File

File Type: PNG File

Density: nodpi

Size (dp): 512x512

Size (px): 512x512



Click Finish

Some existing files will be overwritten by this operation.  
Files which replace existing files are marked red in the preview above.

Previous Next Cancel Finish Help

Design Text

Attributes

Ab <unnamed>

id

Declared Attributes

Layout

0

50

0

0

0

0

0

50

wrap\_content

wrap\_content

visibility

visibility

Common Attributes

text: Hello World!

text

contentDescription

textAppearance: @android:style/TextAp

fontFamily

typeface

textSize: 14sp

lineSpacingExtra

textColor: @android:color/secondar

textStyle: B I Tr

All Attributes

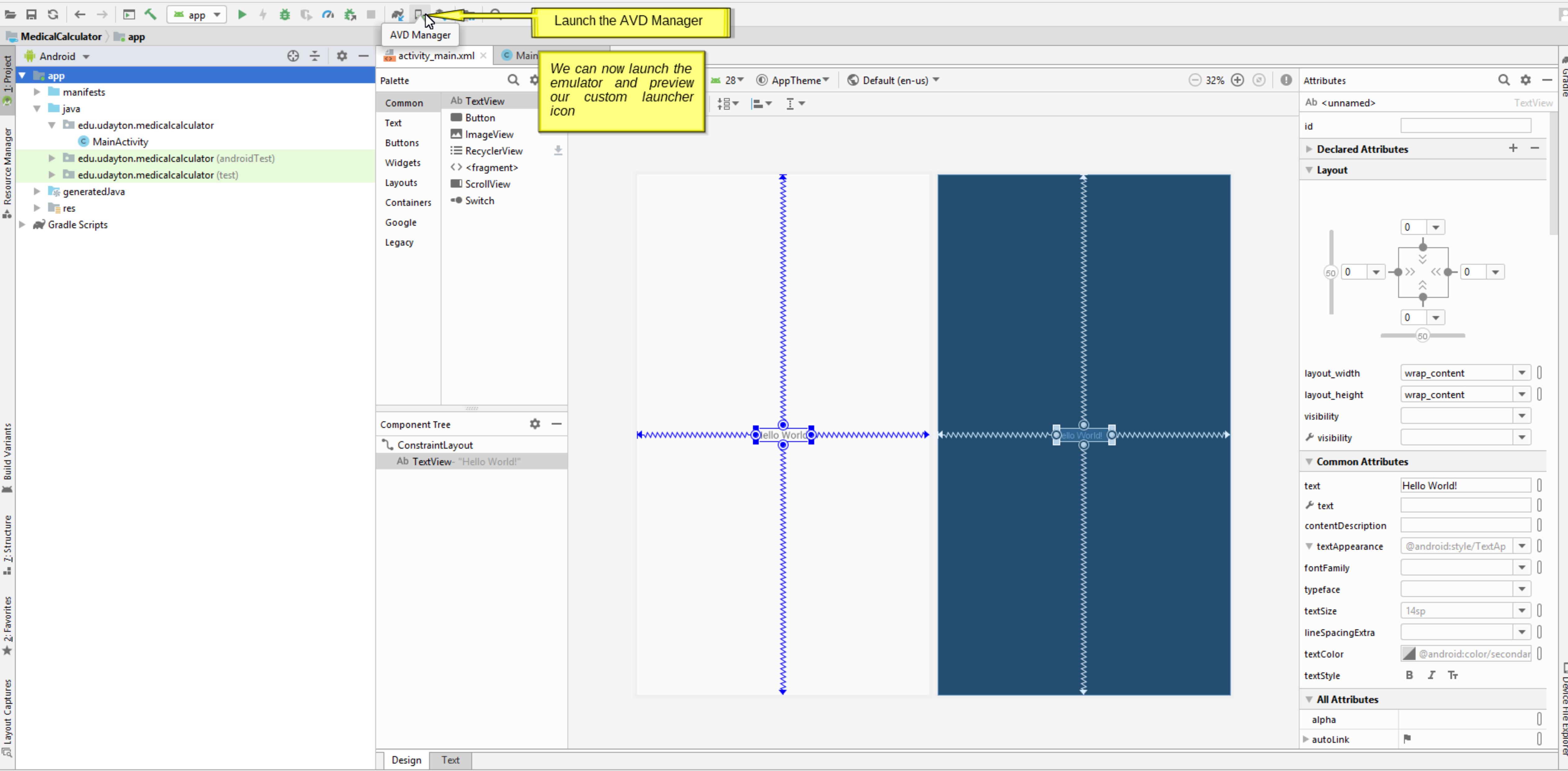
alpha

autoLink

Pixel 28 AppTheme Default (en-us) 32% Attributes Gradle

TODO Terminal Build Logcat Event Log

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (2 minutes ago)



MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - ...app\src\main\res\layout\activity\_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalc 1: Project

Android

app

Java

Resource Manager

Gradle

Layout Variants

Build Variants

Favorites

Layout Captures

Android Virtual Device Manager

Your Virtual Devices

Android Studio

Type	Name	Play Store	Resolution	API	Target	CPU/ABI	Size on Disk	Launch this AVD in the emulator
Tablet	Nexus 5 Pie	▶	1080 x 1920: xxhdpi	28	Android 9.0 (Google Play)	x86	9.1 GB	

+ Create Virtual Device...      ?

Design Text

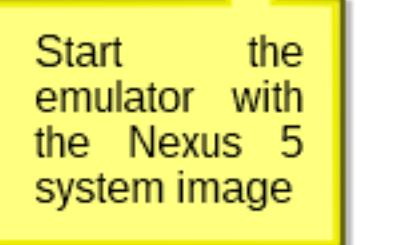
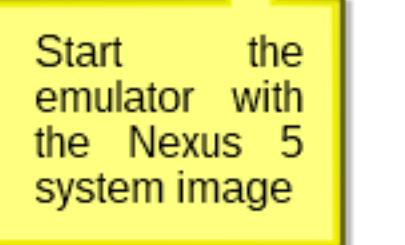
autoLink

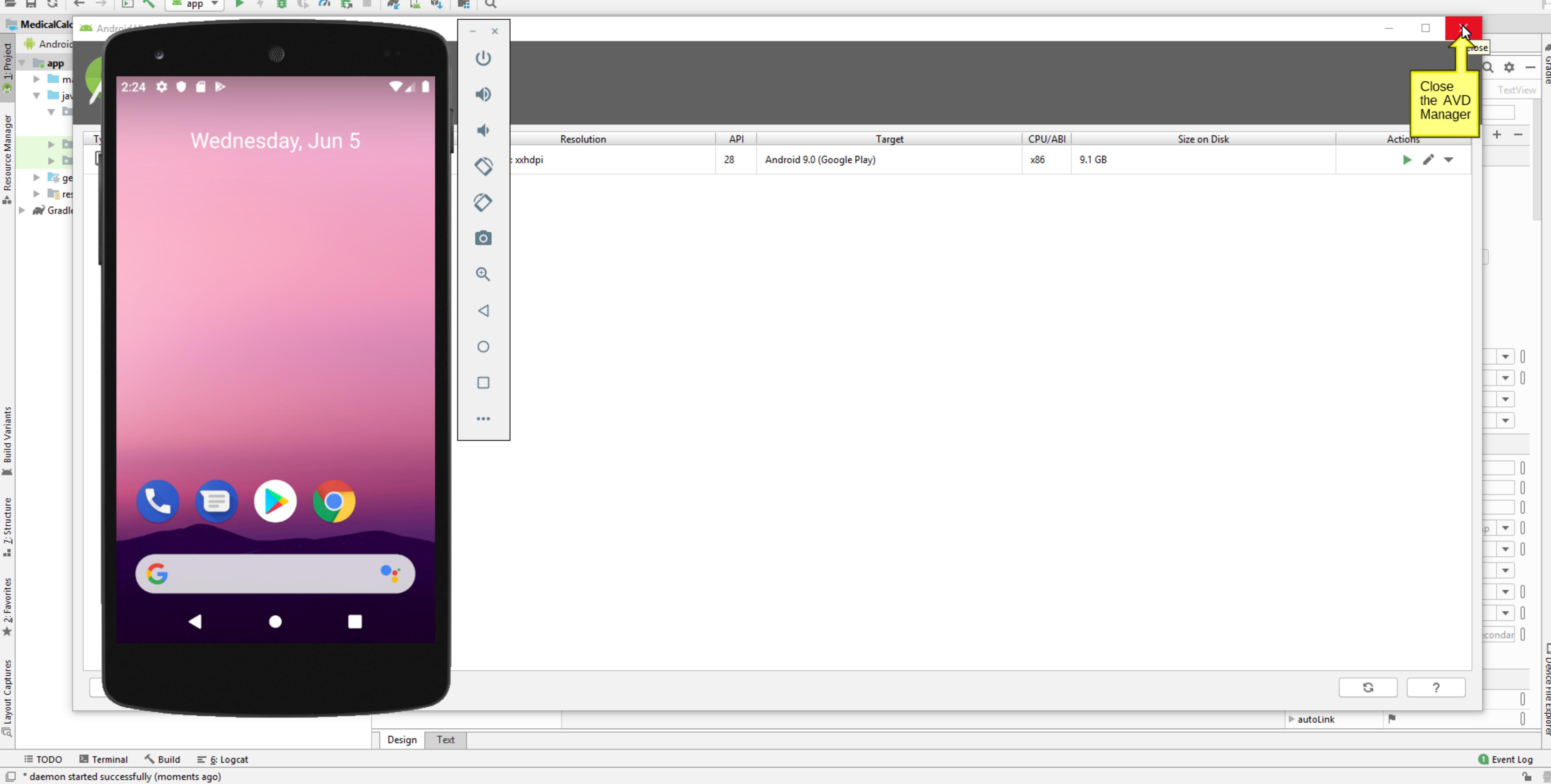
TODO Terminal Build Logcat

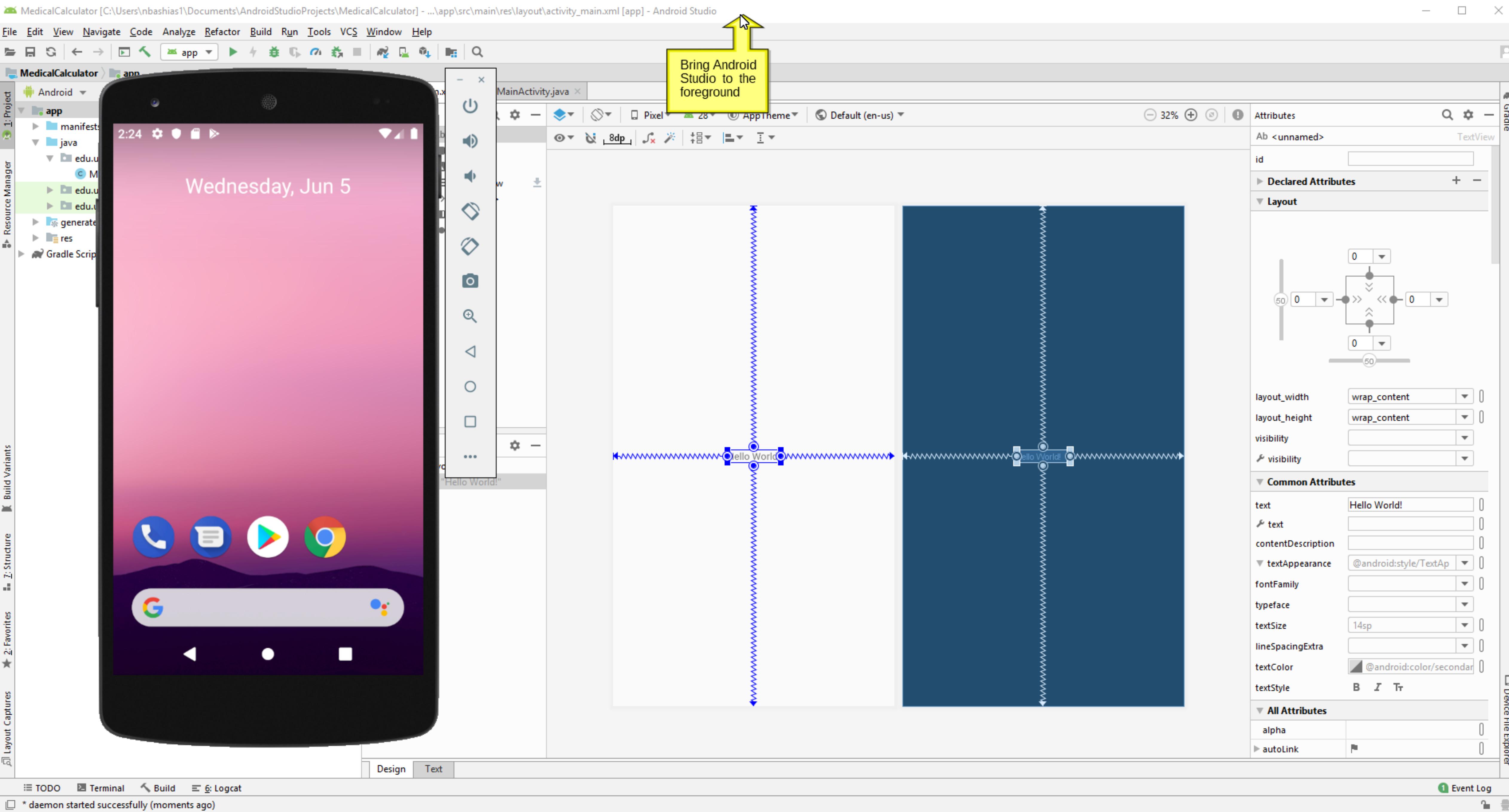
Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (3 minutes ago)

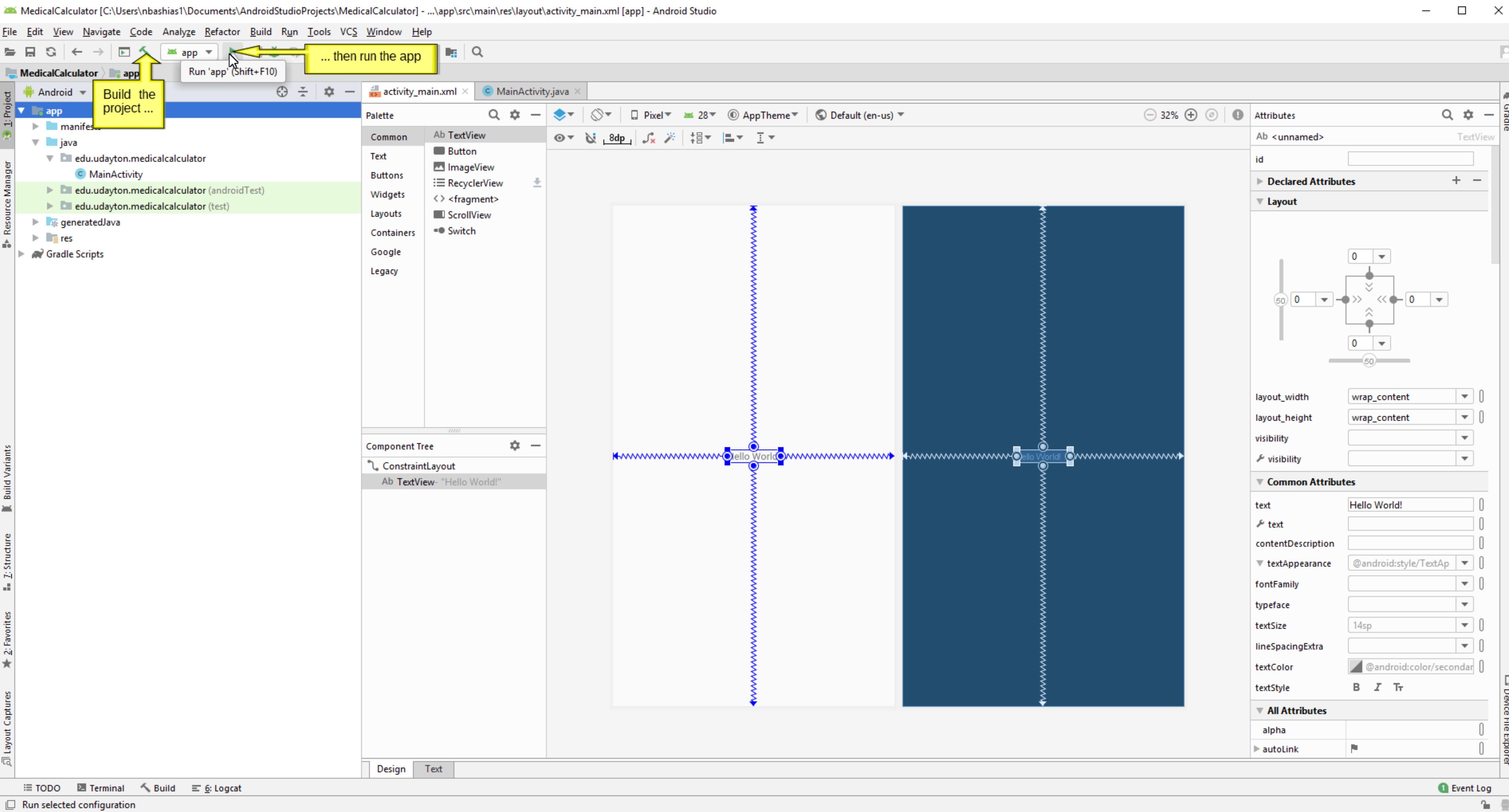
Event Log

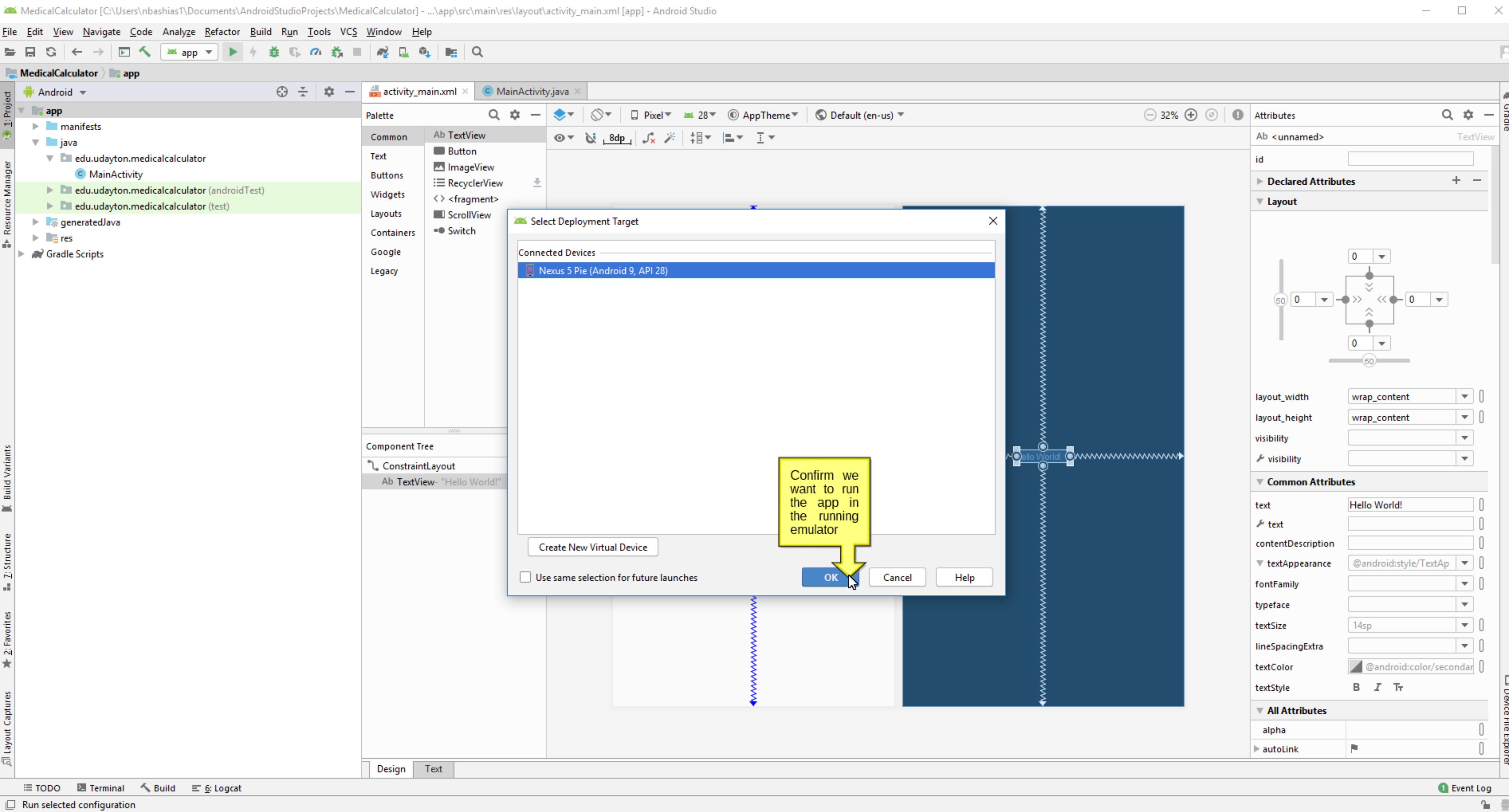
Start the emulator with the Nexus 5 system image

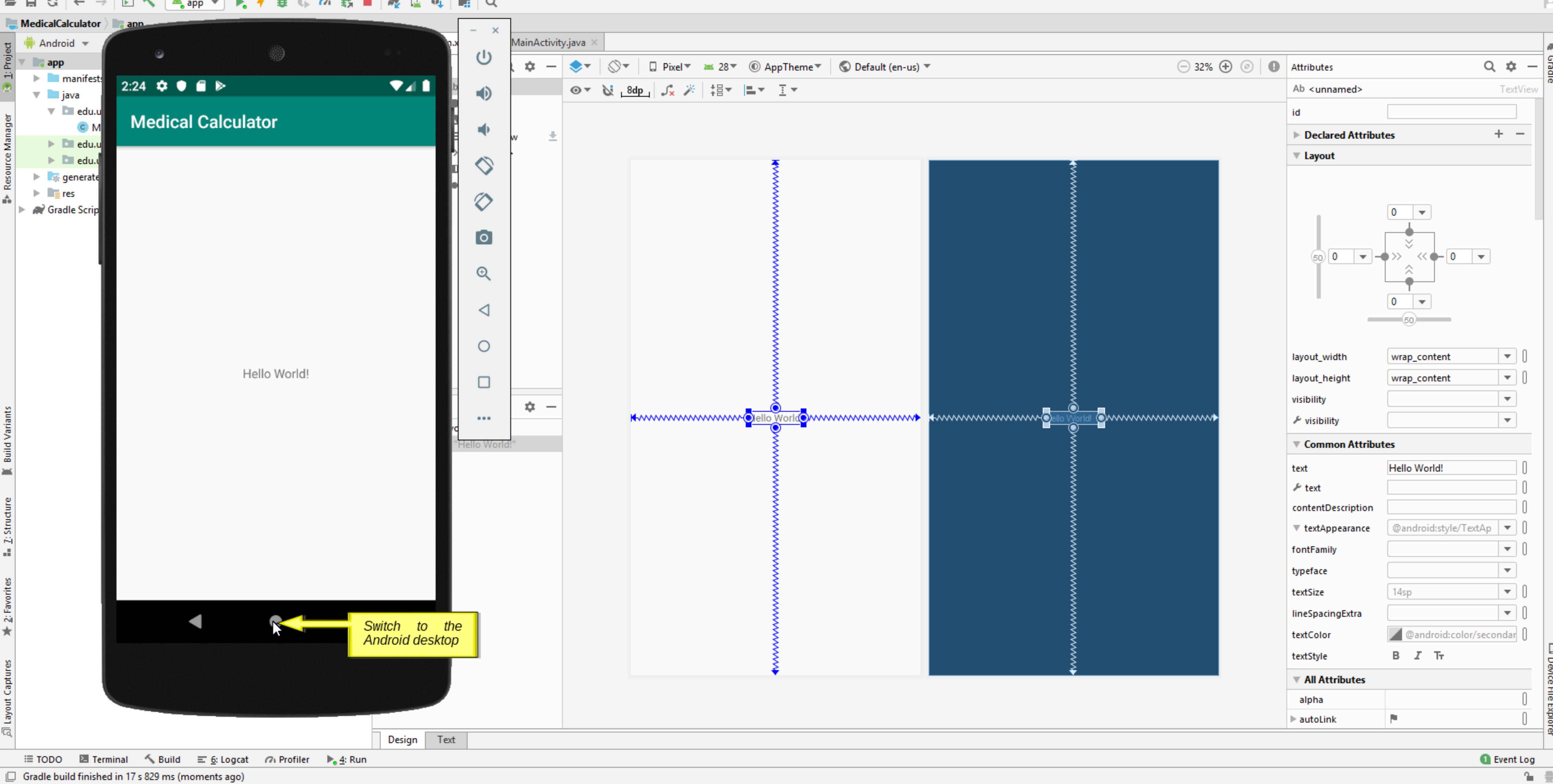


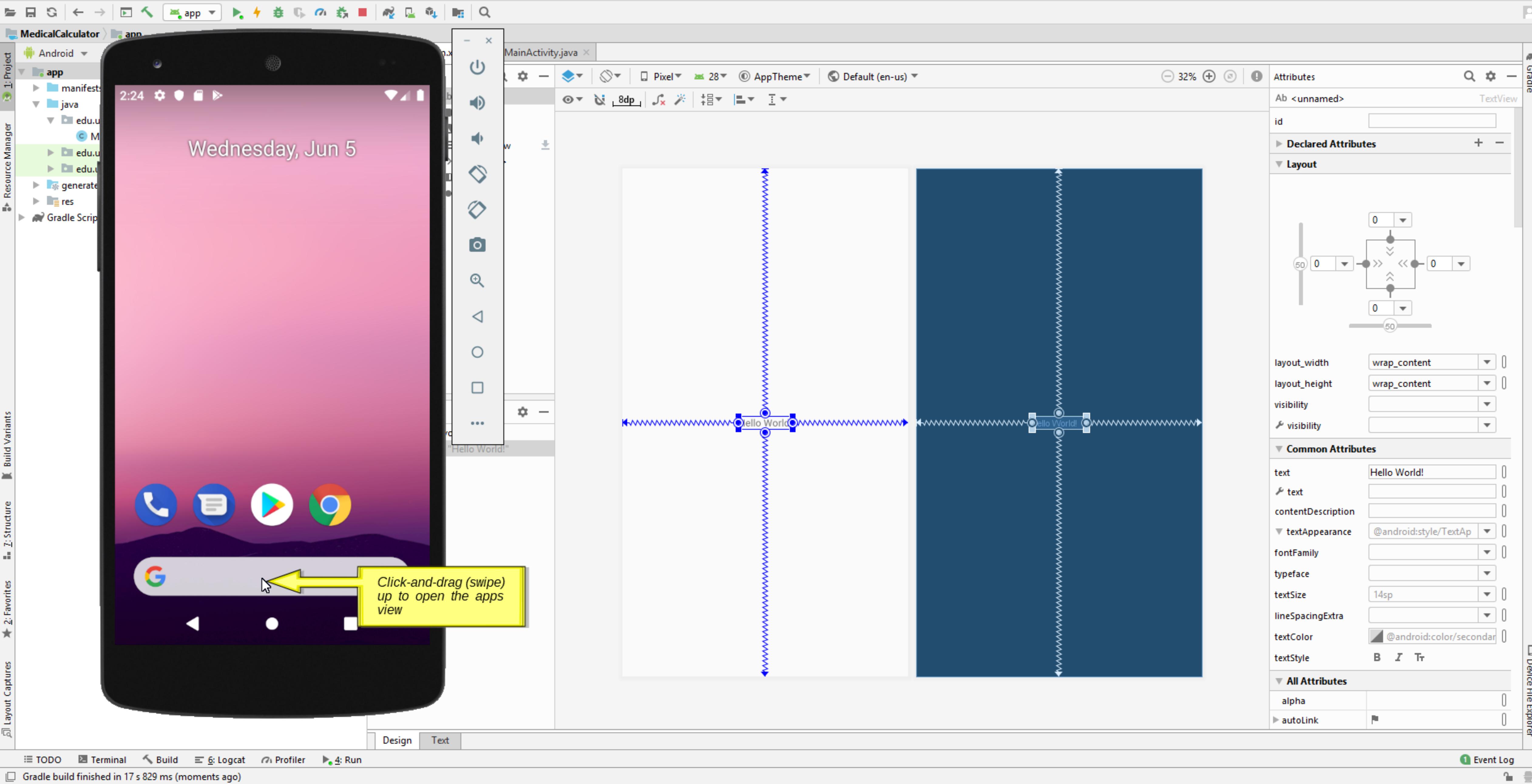








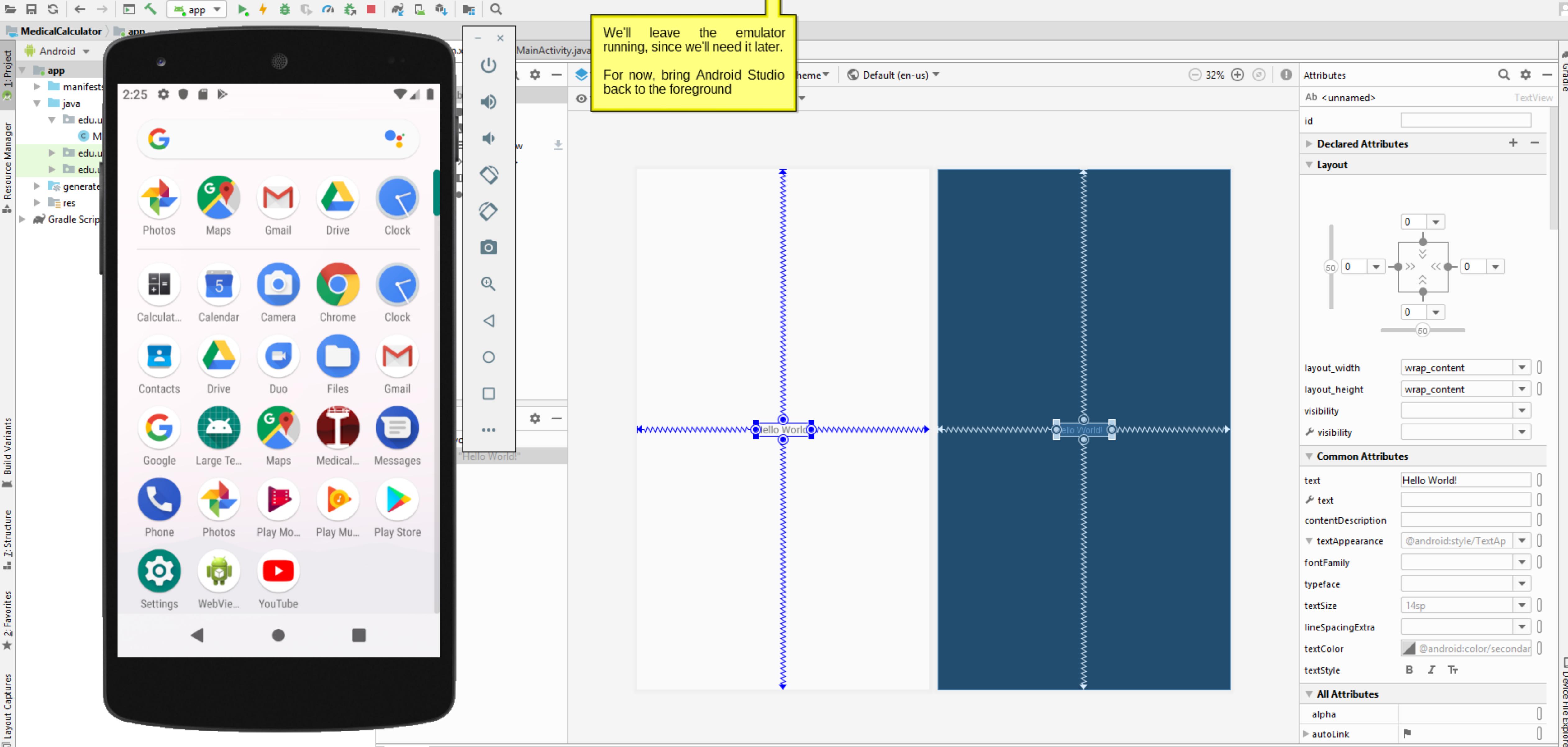




The screenshot shows the Android Studio interface with the following components:

- Project Bar:** Shows the project name "MedicalCalculator" and the module "app".
- Resource Manager:** Displays a list of files and folders under "app".
- Design View:** Shows a smartphone screen displaying the Android home screen with various app icons. A yellow callout box points to the "Medical..." icon, which has been replaced by a custom logo. The text in the callout box reads:

Here is our app with its custom launcher icon! No more ugly default android icon! Yay!
- Code Editor:** Shows the Java code for "MainActivity.java". The code contains a single TextView element with the text "Hello World!".
- Properties Panel:** Shows the attributes for the TextView. The "text" attribute is set to "Hello World!". Other attributes like "fontFamily", "textSize", and "textStyle" are also visible.
- Bottom Navigation:** Includes tabs for "Design", "Text", "TODO", "Terminal", "Build", "Logcat", "Profiler", "Run", and "Event Log".
- Bottom Status:** Shows the message "Gradle build finished in 17 s 829 ms (moments ago)".



MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - ...app\src\main\res\layout\activity\_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator app

Android

Project

app

manifests

java

edu.udayton.medicalcalculator

MainActivity

edu.udayton.medicalcalculator (androidTest)

edu.udayton.medicalcalculator (test)

generatedJava

Gradle Scripts

Expand the app/res folder

We now want to change the theme so that the launcher icon is in the title when the app is running

Resource Manager

1:Project

2: Favorites

Layout Captures

Build Variants

Structure

Component Tree

ConstraintLayout

Ab TextView- "Hello World!"

Palette

Common

Ab TextView

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Pixel 28 Light Default (en-us) 32% Attributes

id Ab <unnamed>

Declared Attributes

Layout

0 50 0 0 50

layout\_width wrap\_content

layout\_height wrap\_content

visibility

visibility

Common Attributes

text Hello World!

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

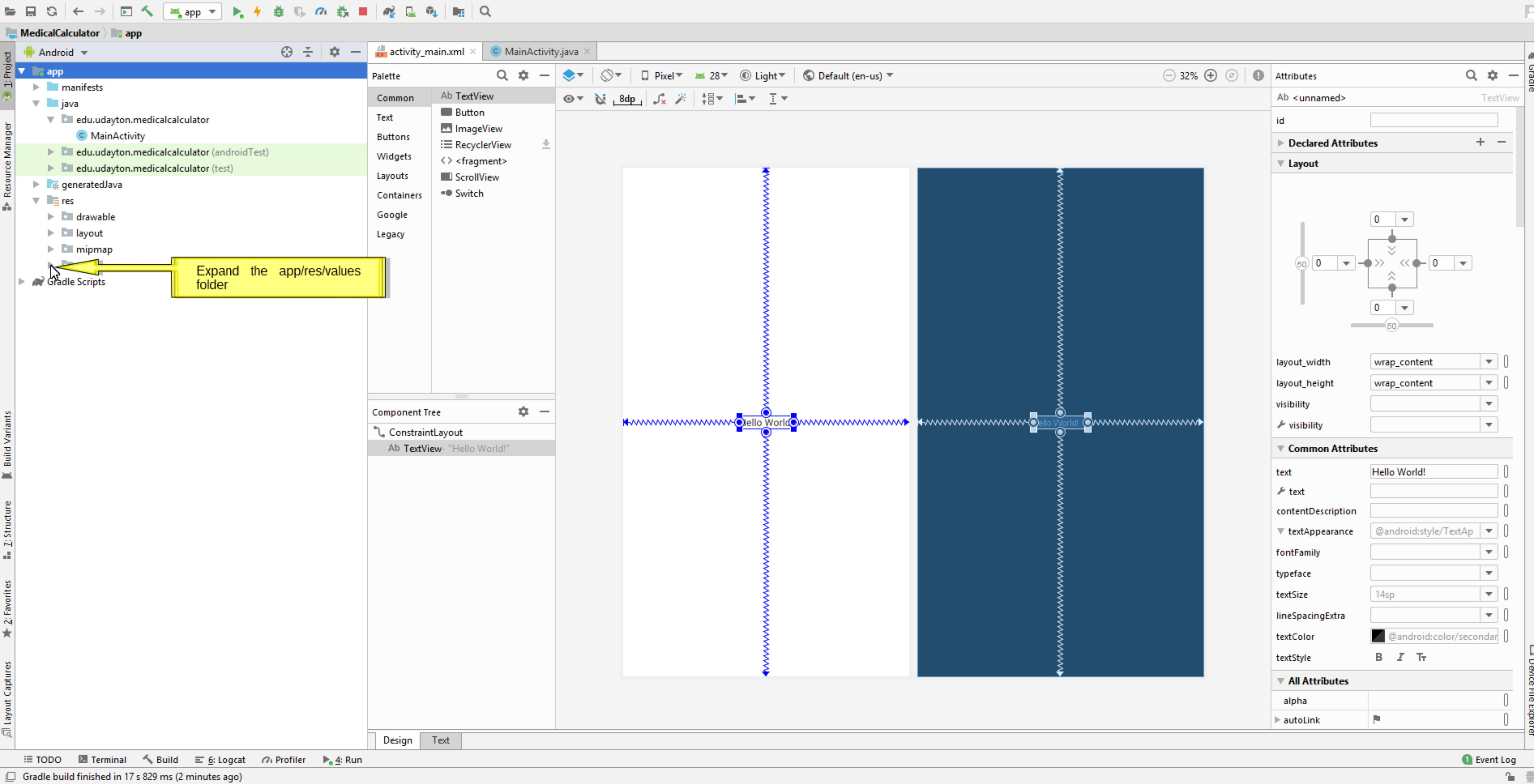
Design Text

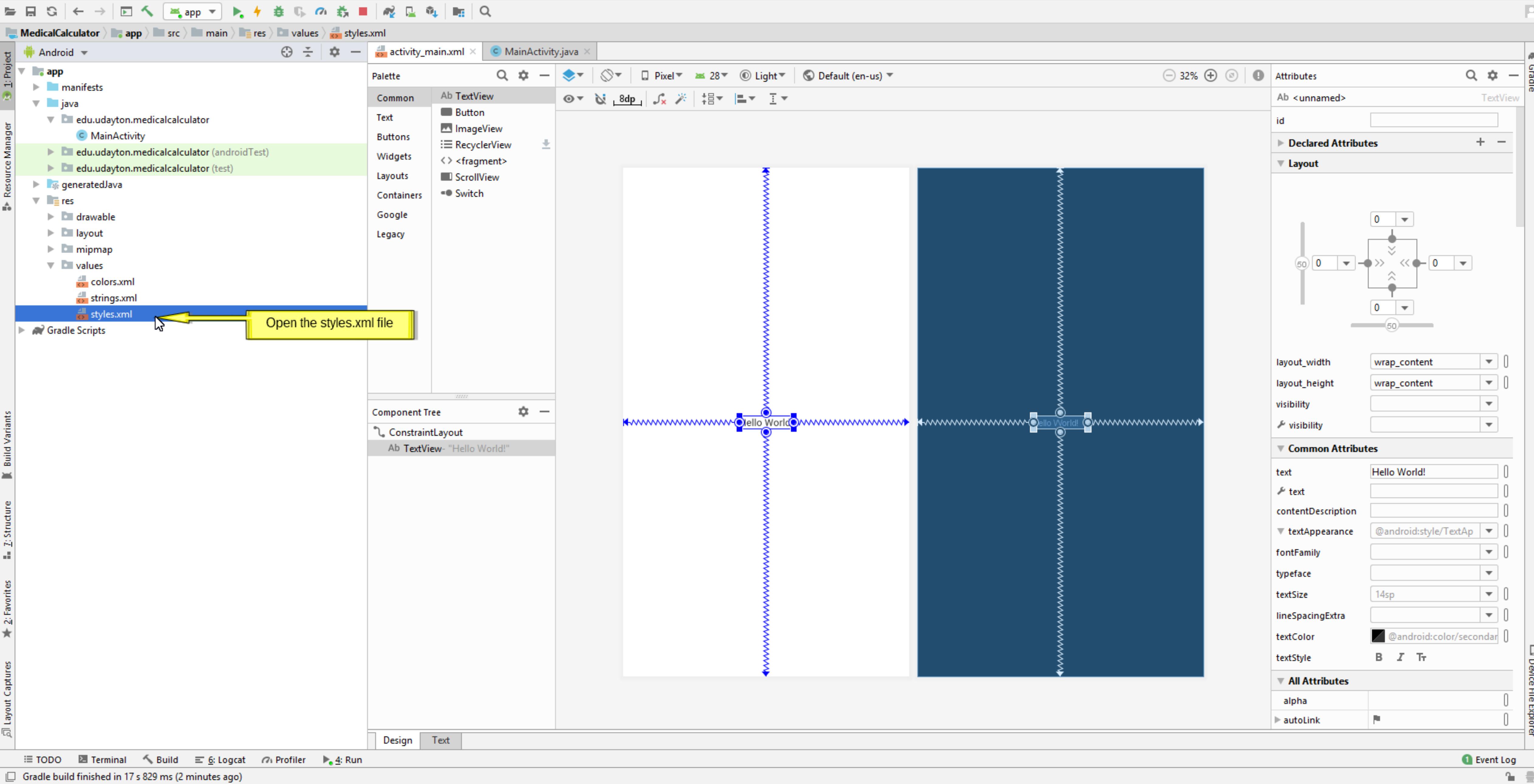
TODO Terminal Build Logcat Profiler Run

Gradle build finished in 17 s 829 ms (2 minutes ago)

Event Log

Device File Explorer





MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - ...app\src\main\res\values\styles.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator app src main res values styles.xml

1:Project

Resource Manager

Gradle Scripts

Build Variants

Layout Captures

2: Favorites

Layout Captures

resources > style

1 2 3 4 5 6 7 8 9 10 11 12

```
<resources>
    <!-- Base application theme. -->
    <style name="AppTheme" parent="Theme.AppCompat.Light.DarkActionBar">
        <!-- Customize your theme here. -->
        <item name="colorPrimary">@color/colorPrimary</item>
        <item name="colorPrimaryDark">@color/colorPrimaryDark</item>
        <item name="colorAccent">@color/colorAccent</item>
    </style>
</resources>
```

Select the style's parent attribute value ...

TODO Terminal Build Logcat Profiler Run

Gradle build finished in 17 s 829 ms (3 minutes ago)

35 chars 4:71 CRLF 4 spaces

Event Log

MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - ...app\src\main\res\values\styles.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator app src main res values styles.xml

1:Project

Resource Manager

Gradle Scripts

Build Variants

Layout Captures

2: Favorites

resources > style

1 2 3 4 5 6 7 8 9 10 11 12

```
<resources>
    <!-- Base application theme. -->
    <style name="AppTheme" parent="android:Theme.Holo.Light">
        <!-- Customize your theme here. -->
        <item name="colorPrimary">@color/colorPrimary</item>
        <item name="colorPrimaryDark">@color/colorPrimaryDark</item>
    </style>
</resources>
```

... and replace it with the new value  
'android:Theme.Holo.Light'

4:60 CRLF 4 spaces

Event Log

MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - ...app\src\main\res\values\styles.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator app src main res values styles.xml

Close. Alt-click to close others

Close the styles.xml file

```
<resources>
    <!-- Base application theme. -->
    <style name="AppTheme" parent="android:Theme.Holo.Light">
        <!-- Customize your theme here. -->
        <item name="colorPrimary">@color/colorPrimary</item>
        <item name="colorPrimaryDark">@color/colorPrimaryDark</item>
        <item name="colorAccent">@color/colorAccent</item>
    </style>
</resources>
```

1:Project

Resource Manager

Gradle

Generated Java

res

- drawable
- layout
- mipmap
- values
  - colors.xml
  - strings.xml
  - styles.xml

Gradle Scripts

Build Variants

I: Structure

Layout Captures

2: Favorites

Device File Explorer

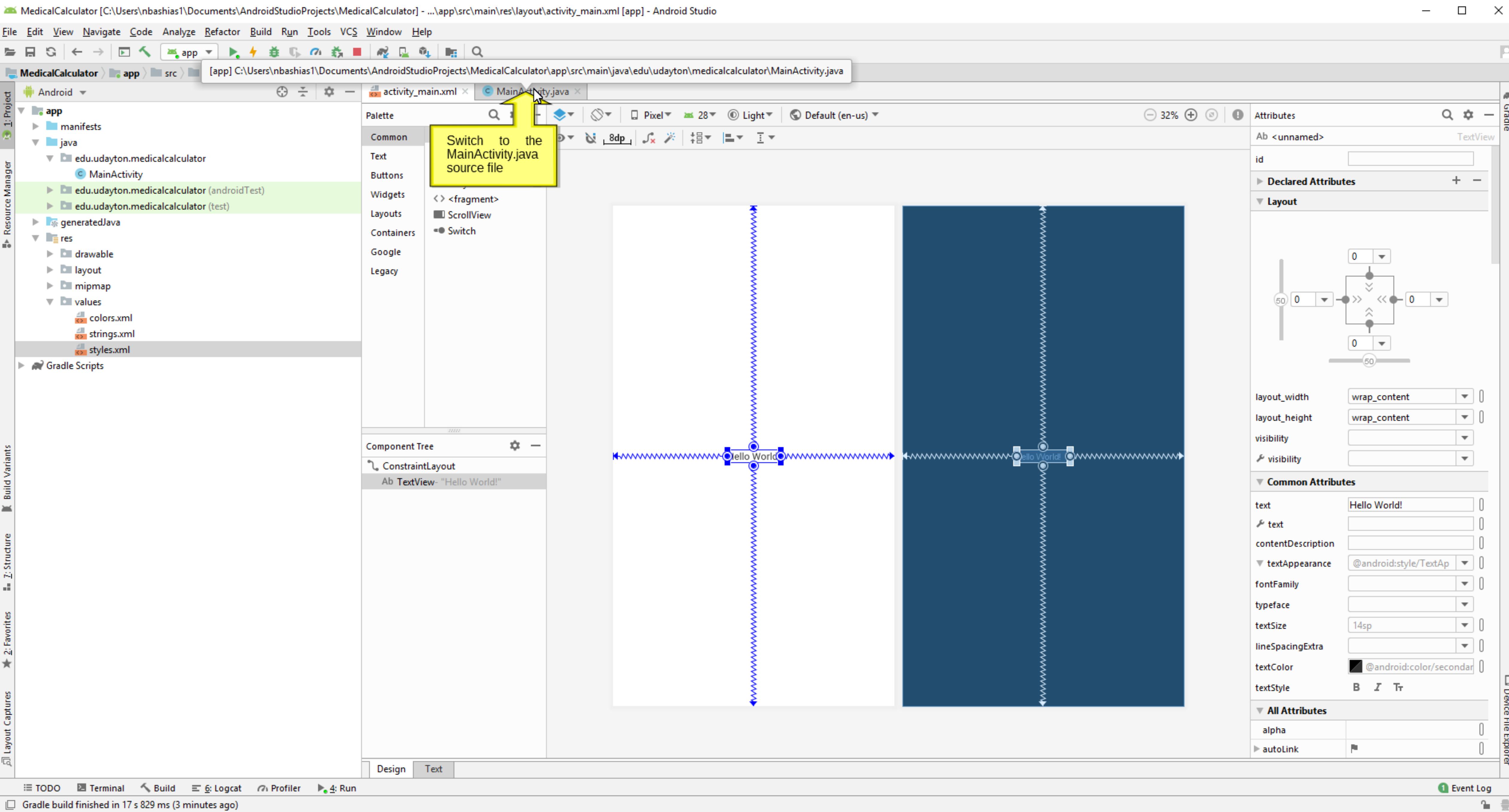
resources > style

TODO Terminal Build Logcat Profiler Run

Gradle build finished in 17 s 829 ms (3 minutes ago)

4:60 CRLF 4 spaces

Event Log



MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - ...app\src\main\java\edu\udayton\medicalcalculator\MainActivity.java [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator > app > src > main > java > edu > udayton > medicalcalculator > MainActivity

1:Project Resource Manager

Android

1:Project

app

- manifests
- java
  - edu.udayton.medicalcalculator
    - MainActivity
  - edu.udayton.medicalcalculator (androidTest)
  - edu.udayton.medicalcalculator (test)
- generatedJava
- res
  - drawable
  - layout
  - mipmap
  - values
    - colors.xml
    - strings.xml
    - styles.xml

Gradle Scripts

Build Variants

I: Structure

2: Favorites

Layout Captures

MainActivity

```
1 package edu.udayton.medicalcalculator;
2
3 import ...
4
5
6 public class MainActivity extends AppCompatActivity {
7
8     @Override
9     protected void onCreate(Bundle savedInstanceState) {
10         super.onCreate(savedInstanceState)
11         setContentView(R.layout.activity_main);
12     }
13 }
14
```

Change the MainActivity's parent class from 'AppCompatActivity' to the more general 'Activity' so that it can use the Holo Light theme

Any Activity class that is a child class of AppCompatActivity is restricted to only using themes in the AppCompat category

TODO Terminal Build Logcat Profiler Run

Gradle build finished in 17 s 829 ms (3 minutes ago)

17 chars 6:52 CRLF ï 4 spaces

Event Log

MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - ...app\src\main\java\edu\udayton\medicalcalculator\MainActivity.java [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator > app > src > main > java > edu > udayton > medicalcalculator > MainActivity

1:Project Resource Manager Build Variants I: Structure 2: Favorites Layout Captures

Android

app

- manifests
- java
  - edu.udayton.medicalcalculator
    - MainActivity
  - edu.udayton.medicalcalculator (androidTest)
  - edu.udayton.medicalcalculator (test)
- generatedJava
- res
  - drawable
  - layout
  - mipmap
  - values
    - colors.xml
    - strings.xml
    - styles.xml

Gradle Scripts

activity\_main.xml MainActivity.java

```
1 package edu.udayton.medicalcalculator;
2
3 import ...
4
5
6 public class MainActivity extends Activity {
7     @Override
8     protected void onCreate(Bundle savedInstanceState) {
9         super.onCreate(savedInstanceState);
10        setContentView(R.layout.activity_main);
11    }
12 }
13
14 }
```

Use the code completion so that the required import statement is added for the Activity class

MainActivity

TODO Terminal Build Logcat Profiler Run Event Log

Gradle build finished in 17 s 829 ms (4 minutes ago) 6:43 CRLF UTF-8 4 spaces

MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - ...app\src\main\java\edu\udayton\medicalcalculator\MainActivity.java [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator app src main java edu udayton medicalcalculator MainActivity

Android

1:Project

Resource Manager

Optional, to remove the now-unused import statement for the AppCompatActivity class, expand the import statement group

1:Gradle

app

- manifests
- java
  - edu.udayton.medicalcalculator
    - MainActivity
- generatedJava
- res
  - drawable
  - layout
  - mipmap
  - values
    - colors.xml
    - strings.xml
    - styles.xml

Gradle Scripts

Build Variants

Favorites

Layout Captures

MainActivity

```
1 package edu.udayton.medicalcalculator;
2
3 import ...
4
5
6
7 public class MainActivity extends AppCompatActivity {
8
9     @Override
10    protected void onCreate(Bundle savedInstanceState) {
11        super.onCreate(savedInstanceState);
12        setContentView(R.layout.activity_main);
13    }
14 }
```

Event Log

TODO Terminal Build Logcat Profiler Run

Gradle build finished in 17 s 829 ms (4 minutes ago)

7:43 CRLF UTF-8 4 spaces

MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - ...app\src\main\java\edu\udayton\medicalcalculator\MainActivity.java [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator > app > src > main > java > edu > udayton > medicalcalculator > MainActivity

Android

1: Project

Resource Manager

Click anywhere in the unused import statement (shown in light grey font color)

Unused import statement

```
1 package edu.udayton.medicalcalculator;
2
3 import android.app.Activity;
4 import android.support.v7.app.AppCompatActivity;
5 import android.widget.TextView;
6
7 public class MainActivity extends AppCompatActivity {
8
9     @Override
10    protected void onCreate(Bundle savedInstanceState) {
11        super.onCreate(savedInstanceState);
12        setContentView(R.layout.activity_main);
13    }
14
15 }
```

Gradle Scripts

Build Variants

Favorites

Layout Captures

Event Log

Unused import statement

MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - ...app\src\main\java\edu\udayton\medicalcalculator\MainActivity.java [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator > app > src > main > java > edu > udayton > medicalcalculator > MainActivity

Android

1:Project

Resource Manager

Click the yellow lightbulb ...

Unused import statement

```
1 package edu.udayton.medicalcalculator;
2
3 import android.app.Activity;
4 import android.support.v7.app.AppCompatActivity;
5 import android.os.Bundle;
6
7 // unused import statement
8
9 class MainActivity extends Activity {
10
11     @Override
12     protected void onCreate(Bundle savedInstanceState) {
13         super.onCreate(savedInstanceState);
14         setContentView(R.layout.activity_main);
15     }
16 }
```

Gradle Scripts

Build Variants

Favorites

Layout Captures

Event Log

TODO Terminal Build Logcat Profiler Run

Unused import statement

4:13 CRLF UTF-8 4 spaces

MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - ...app\src\main\java\edu\udayton\medicalcalculator\MainActivity.java [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator > app > src > main > java > edu > udayton > medicalcalculator > MainActivity

Android

1:Project

Resource Manager

Gradle

app

- manifests
- java
  - edu.udayton.medicalcalculator
    - MainActivity
  - edu.udayton.medicalcalculator (androidTest)
  - edu.udayton.medicalcalculator (test)
- generatedJava
- res
  - drawable
  - layout
  - mipmap
  - values
    - colors.xml
    - strings.xml
    - styles.xml

Gradle Scripts

Build Variants

I: Structure

2: Favorites

Layout Captures

Event Log

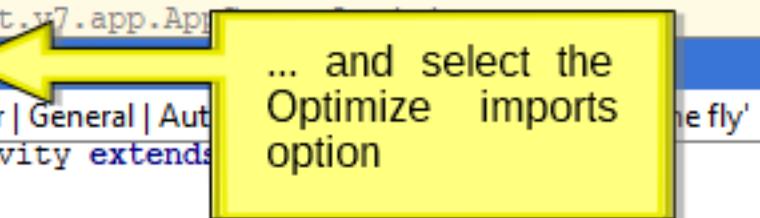
Unused import statement

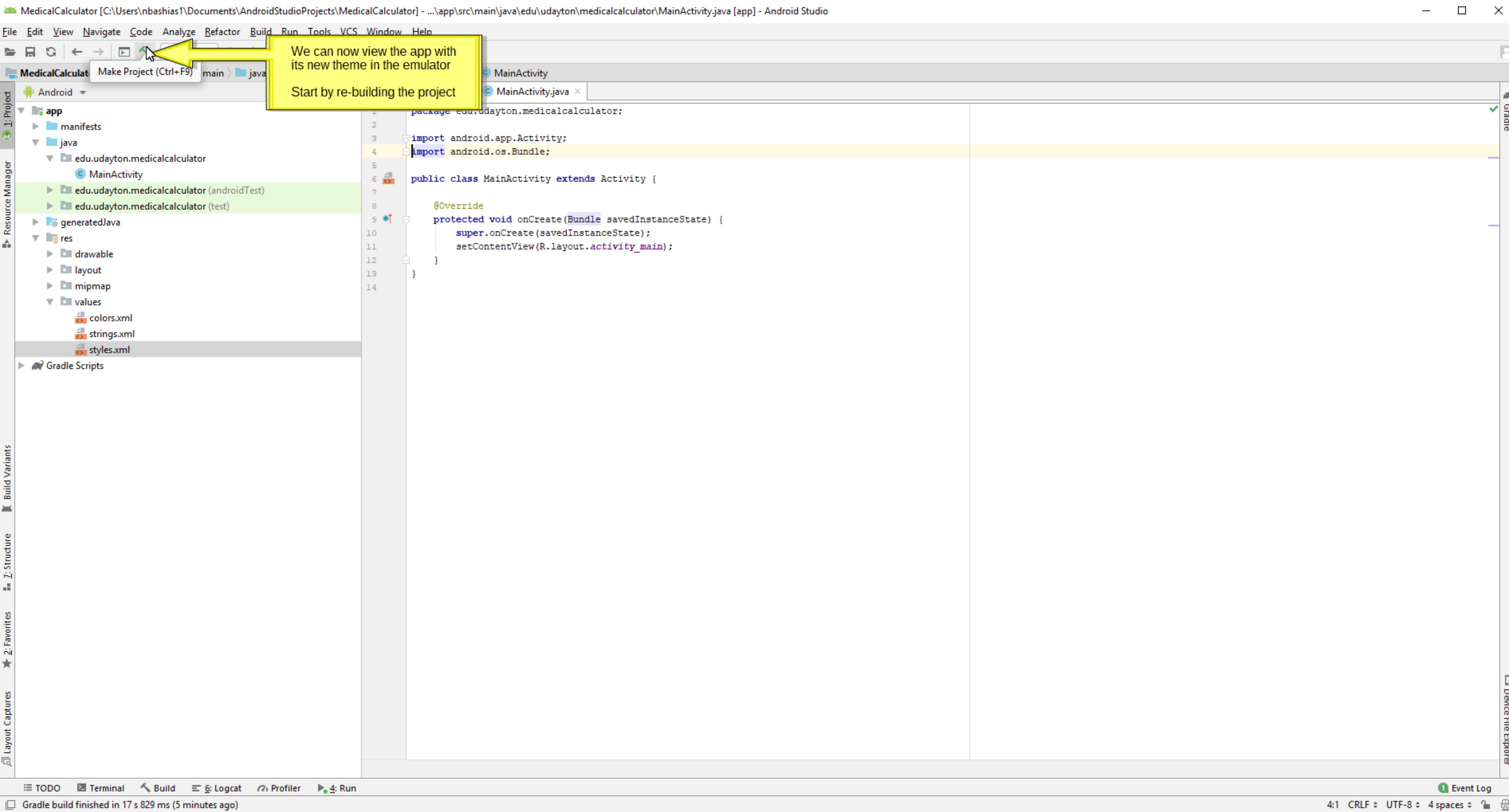
4:13 CRLF UTF-8 4 spaces

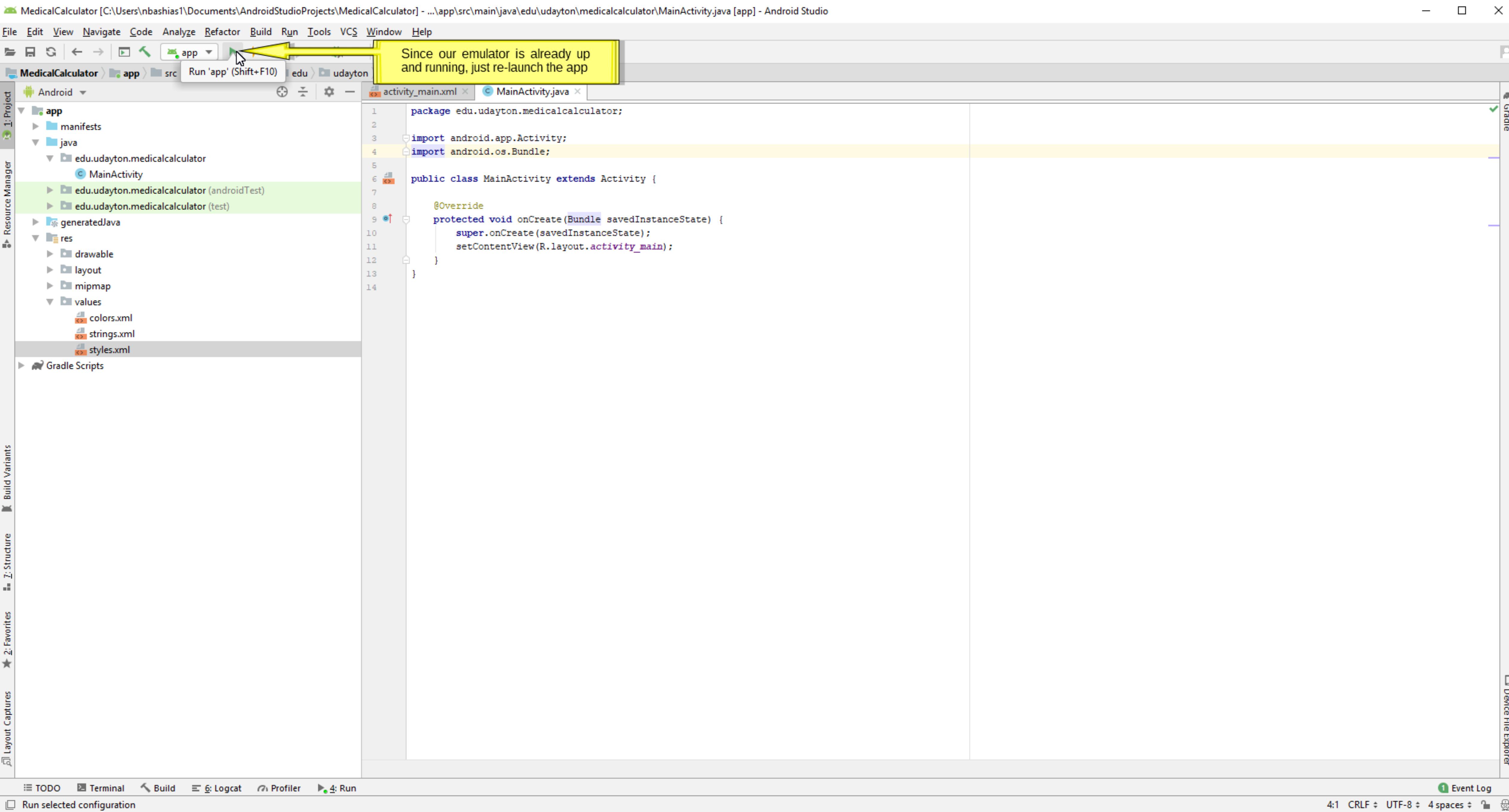
activity\_main.xml MainActivity.java

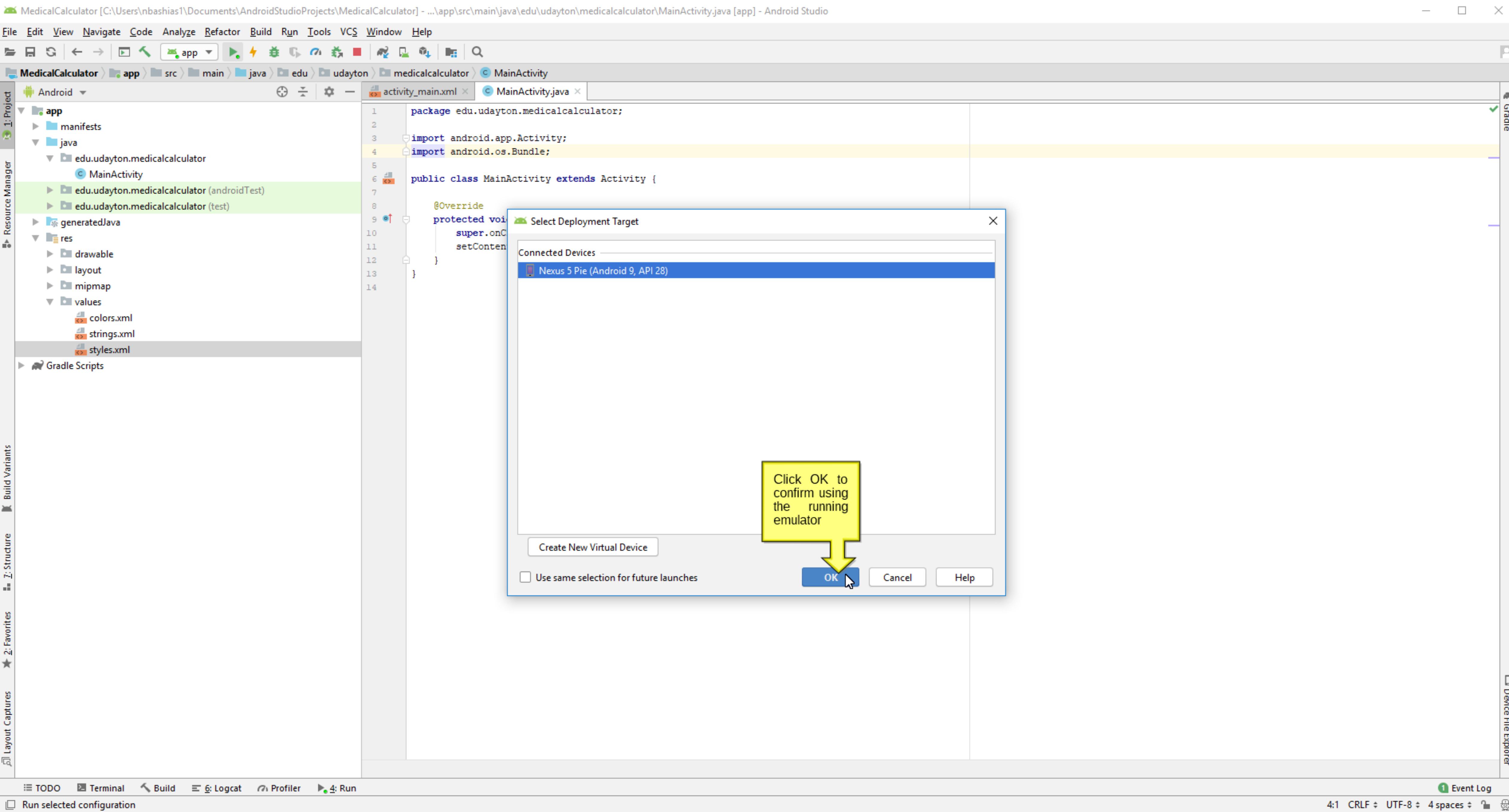
```
1 package edu.udayton.medicalcalculator;
2
3 import android.app.Activity;
4 import android.support.v7.app.AppCompatActivity;
5
6 public class MainActivity extends AppCompatActivity {
7
8     @Override
9     protected void onCreate(Bundle savedInstanceState) {
10         super.onCreate(savedInstanceState);
11         setContentView(R.layout.activity_main);
12     }
13 }
14
15 }
```

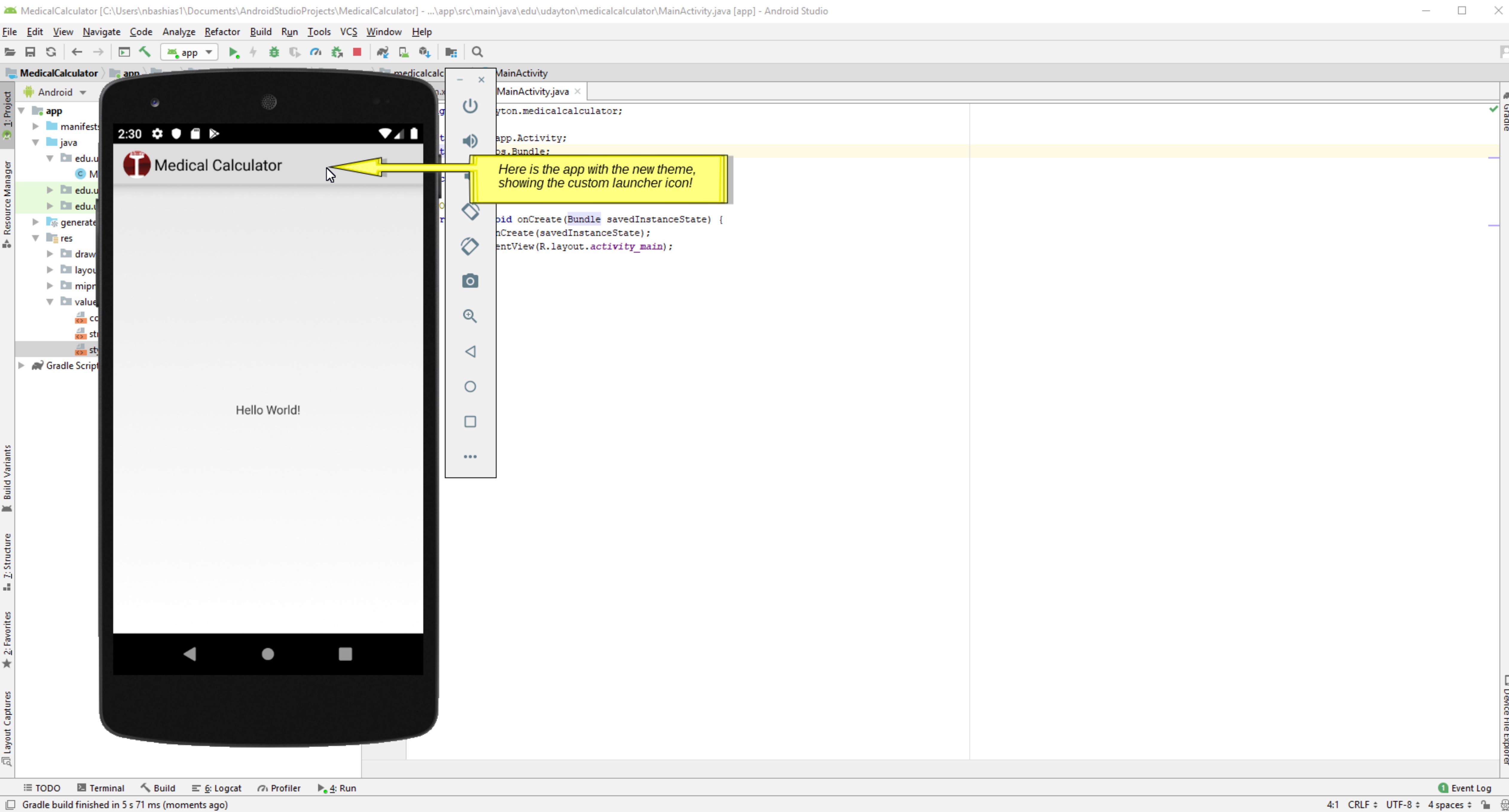
... and select the Optimize imports option

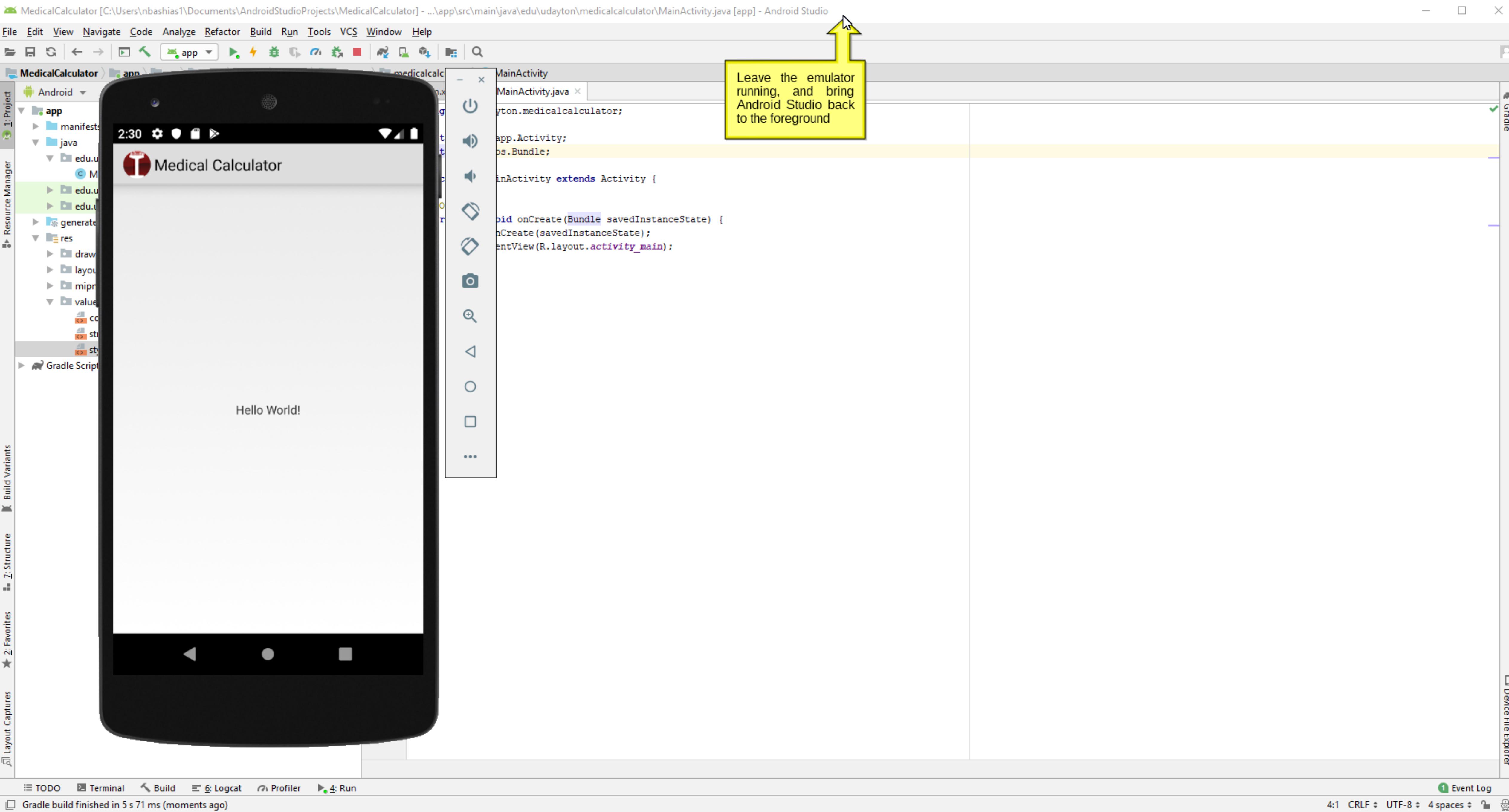












MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - ...app\src\main\java\edu\udayton\medicalcalculator>MainActivity.java [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator app src main res values strings.xml

Android

1:Project

Resource Manager

Gradle

app

- manifests
- java
  - edu.udayton.medicalcalculator
    - MainActivity
  - edu.udayton.medicalcalculator (androidTest)
  - edu.udayton.medicalcalculator (test)
- generatedJava
- res
  - drawable
  - layout
  - mipmap
  - values
    - colors.xml
    - strings.xml
    - styles.xml
- Gradle Scripts

activity\_main.xml MainActivity.java

```
1 package edu.udayton.medicalcalculator;
2
3 import android.app.Activity;
4 import android.os.Bundle;
5
6 public class MainActivity extends Activity {
7
8     @Override
9     protected void onCreate(Bundle savedInstanceState) {
10         super.onCreate(savedInstanceState);
11         setContentView(R.layout.activity_main);
12     }
13 }
14
```

Let's add our resources  
We'll start with string resources,  
so open the strings.xml file

Build Variants

Layout Captures

2: Favorites

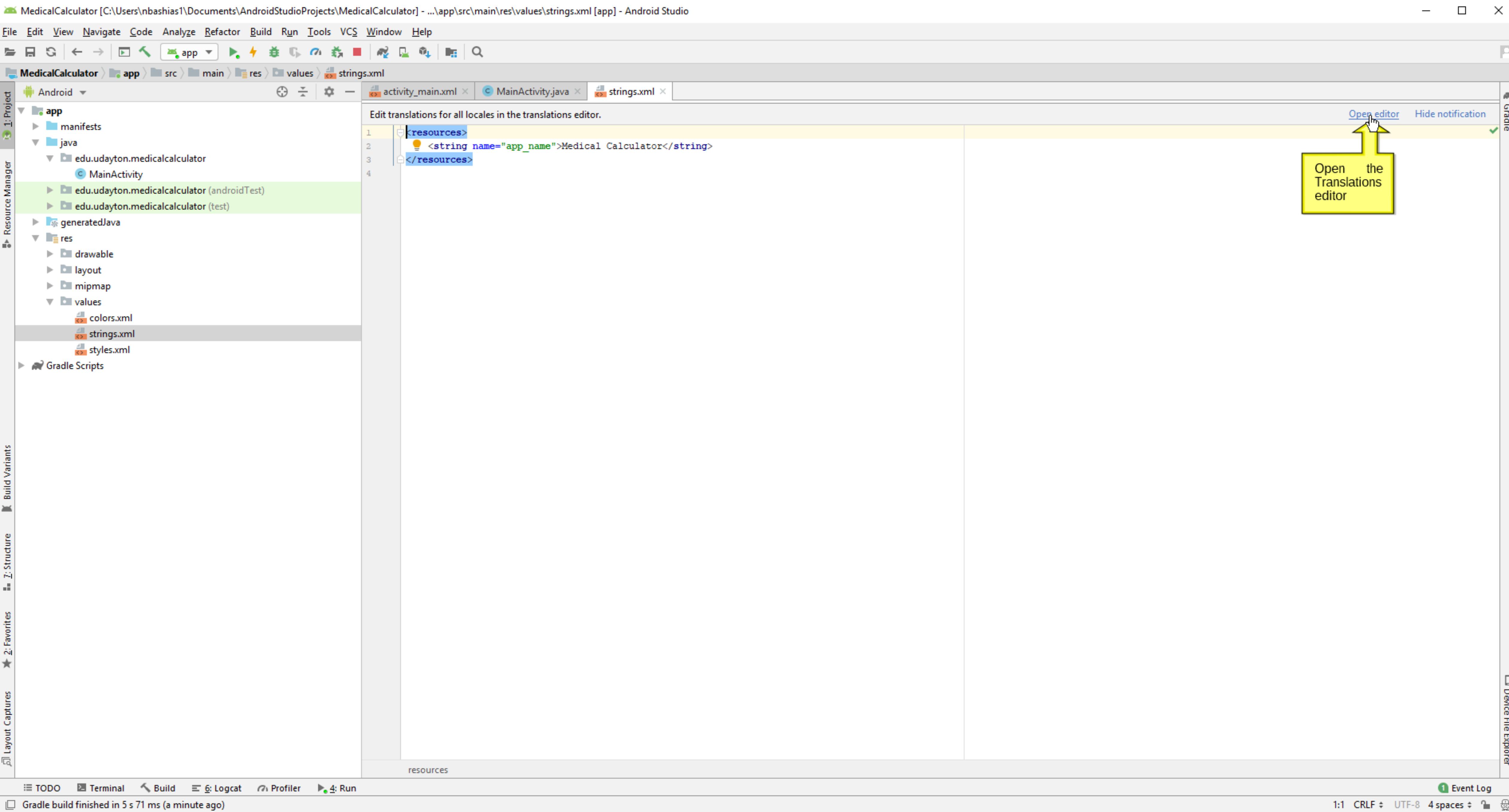
Device File Explorer

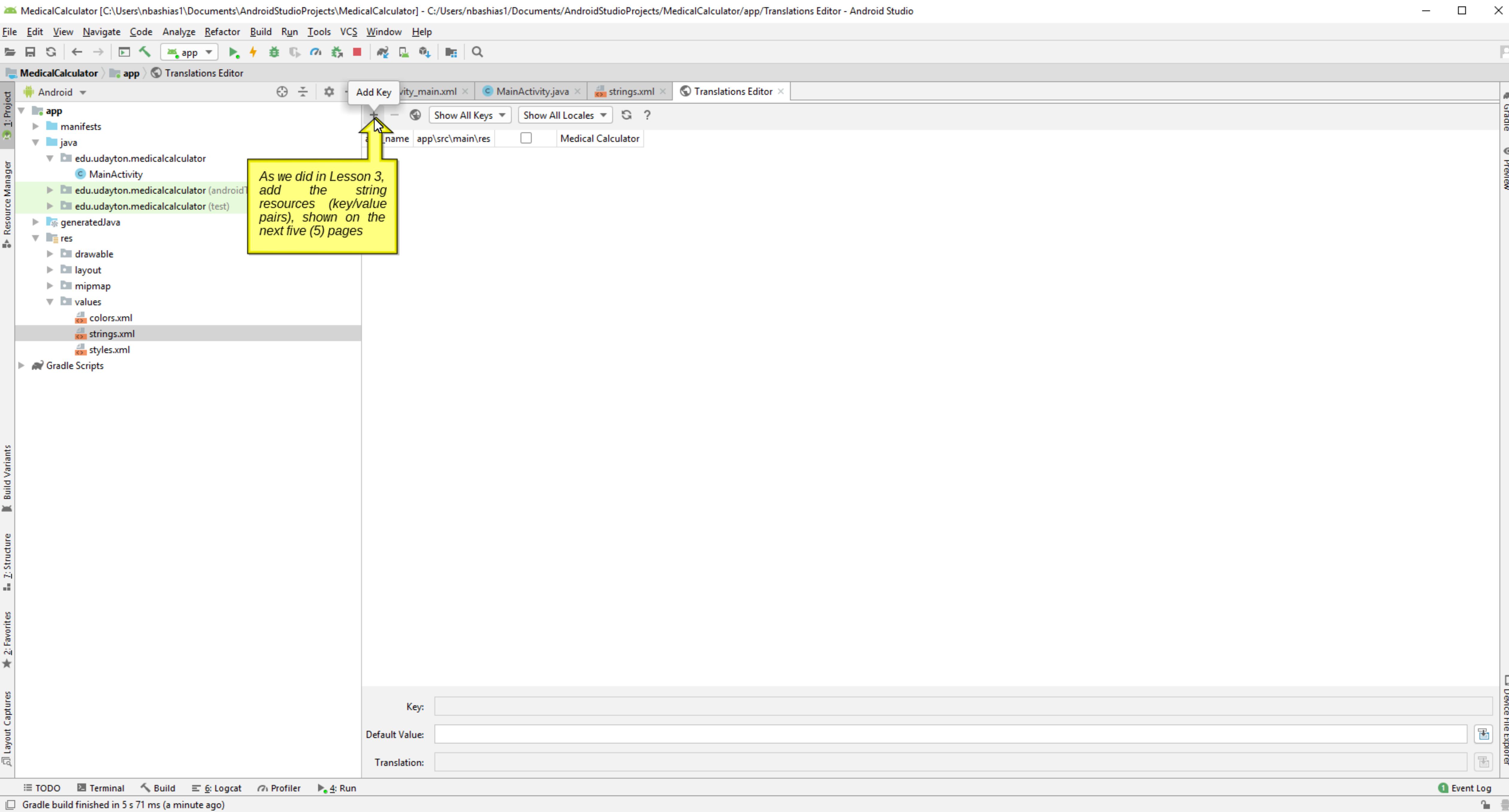
TODO Terminal Build Logcat Profiler Run

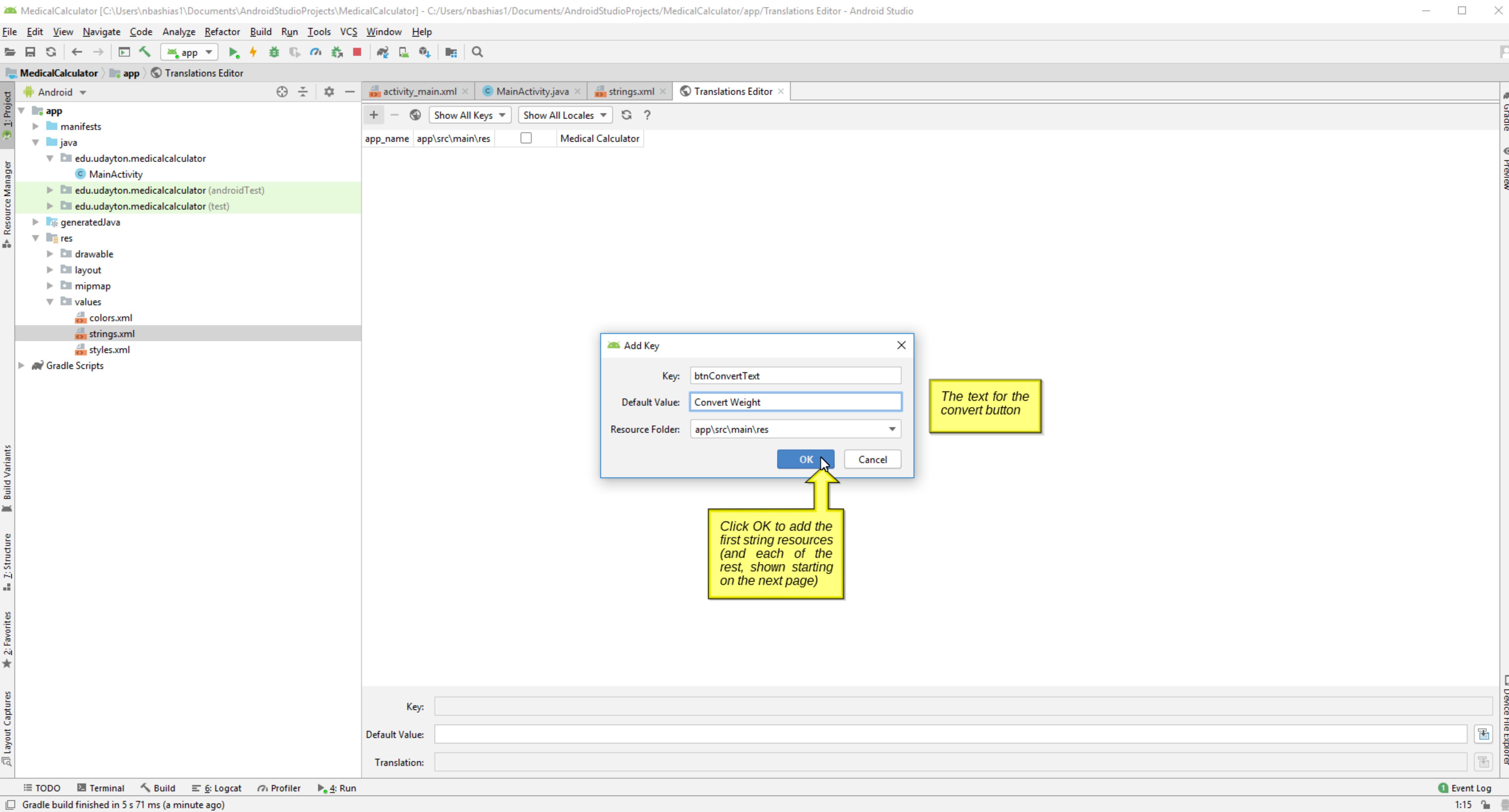
1 Event Log

Gradle build finished in 5 s 71 ms (moments ago)

4:1 CRLF ÷ UTF-8 ÷ 4 spaces ÷







MedicalCalculator [C:\Users\Nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - C:/Users/nbashias1/Documents/AndroidStudioProjects/MedicalCalculator/app/Translations Editor - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator app Translations Editor

Project

app manifests java edu.udayton.medicalcalculator MainActivity edu.udayton.medicalcalculator (androidTest) edu.udayton.medicalcalculator (test) generatedJava res drawable layout mipmap values colors.xml strings.xml styles.xml Gradle Scripts

Resource Manager

activity\_main.xml MainActivity.java strings.xml Translations Editor

Translations Editor

Show All Keys Show All Locales ?

app_name	app\src\main\res	<input type="checkbox"/>	Medical Calculator
btnConvertText	app\src\main\res	<input type="checkbox"/>	Convert Weight

Add Key

Key: txtWeightHint  
Default Value: Weight of Patient  
Resource Folder: app\src\main\res

OK Cancel

The text for the text field's hint

Layout Captures

2 Favorites

Layout Captures

2 Favorites

Device File Explorer

Event Log

Gradle build finished in 5 s 71 ms (3 minutes ago)

1:18

MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - C:/Users/nbashias1/Documents/AndroidStudioProjects/MedicalCalculator/app/Translations Editor - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator > app > Translations Editor

Project

Resource Manager

Build Variants

Layout Captures

2: Favorites

Layout Captures

2: Favorites

Gradle Scripts

1: Project

app

- manifests
- java
  - edu.udayton.medicalcalculator
    - MainActivity
  - edu.udayton.medicalcalculator (androidTest)
  - edu.udayton.medicalcalculator (test)
- generatedJava
- res
  - drawable
  - layout
  - mipmap
  - values
    - colors.xml
    - strings.xml
    - styles.xml

Resource Manager

Translations Editor

activity\_main.xml MainActivity.java strings.xml Translations Editor

Show All Keys Show All Locales ?

app_name	app\src\main\res	<input type="checkbox"/>	Medical Calculator
btnConvertText	app\src\main\res	<input type="checkbox"/>	Convert Weight
txtWeightHint	app\src\main\res	<input type="checkbox"/>	Weight of Patient

Add Key

Key: txtRadKilosToLbs

Default Value: Convert Kilograms to Pounds

Resource Folder: app\src\main\res

OK Cancel

The text for the kilograms->pounds conversion option

Key:

Default Value:

Translation:

TODO Terminal Build Logcat Profiler Run

Gradle build finished in 5 s 71 ms (3 minutes ago)

Event Log

1:8

MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - C:/Users/nbashias1/Documents/AndroidStudioProjects/MedicalCalculator/app/Translations Editor - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator app Translations Editor

Android

1: Project

app

- manifests
- java
  - edu.udayton.medicalcalculator
    - MainActivity
  - edu.udayton.medicalcalculator (androidTest)
  - edu.udayton.medicalcalculator (test)
- generatedJava
- res
  - drawable
  - layout
  - mipmap
  - values
    - colors.xml
    - strings.xml
    - styles.xml

Resource Manager

Gradle

Preview

Translations Editor

Show All Keys Show All Locales ?

app_name	app\src\main\res	<input type="checkbox"/>	Medical Calculator
btnConvertText	app\src\main\res	<input type="checkbox"/>	Convert Weight
txtRadKilosToLbs	app\src\main\res	<input type="checkbox"/>	Convert Kilograms to Pounds
txtWeightHint	app\src\main\res	<input type="checkbox"/>	Weight of Patient

Add Key

Key: txtRadLbsToKilos

Default Value: Convert Pounds to Kilograms

Resource Folder: app\src\main\res

OK Cancel

The text for the pounds->kilograms conversion option

Layout Captures

2: Favorites

Device File Explorer

TODO Terminal Build Logcat Profiler Run

1 Event Log

Gradle build finished in 5 s 71 ms (4 minutes ago)

1:28

MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - C:/Users/nbashias1/Documents/AndroidStudioProjects/MedicalCalculator/app/Translations Editor - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator app Translations Editor

Android

1: Project

Resource Manager

Gradle

Preview

Activity\_main.xml MainActivity.java strings.xml Translations Editor

Show All Keys Show All Locales ?

app_name	app\src\main\res	<input type="checkbox"/>	Medical Calculator
btnConvertText	app\src\main\res	<input type="checkbox"/>	Convert Weight
txtRadKilosToLb:	app\src\main\res	<input type="checkbox"/>	Convert Kilograms to
txtRadLbsToKilo:	app\src\main\res	<input type="checkbox"/>	Convert Pounds to
txtWeightHint	app\src\main\res	<input type="checkbox"/>	Weight of Patient

generatedJava

res

drawable

layout

mipmap

values

colors.xml

strings.xml

styles.xml

Gradle Scripts

Build Variants

I: Structure

Favorites

Layout Captures

2: Favorites

Add Key

Key: txtTitleText

Default Value: Convert Patient Weight

Resource Folder: app\src\main\res

OK Cancel

The text for the title

Key:

Default Value:

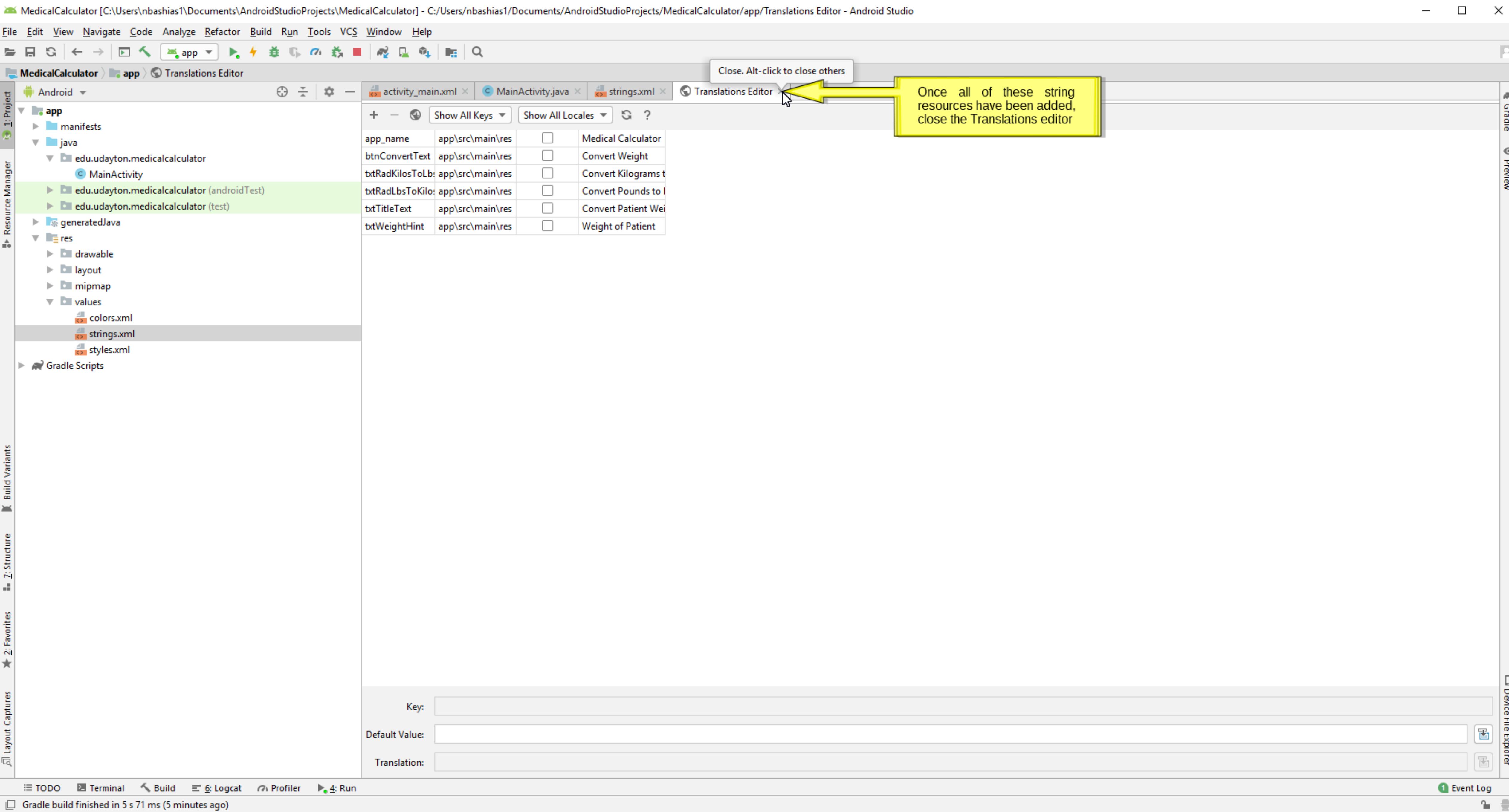
Translation:

TODO Terminal Build Logcat Profiler Run

Gradle build finished in 5 s 71 ms (4 minutes ago)

Event Log

1:23



MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - ...app\src\main\res\values\strings.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator app src main res values strings.xml

Close. Alt-click to close others

Then, close the strings.xml file

Edit translations for all locales in the translations editor.

```
<resources>
    <string name="app_name">Medical Calculator</string>
    <string name="btnConvertText">Convert Weight</string>
    <string name="txtWeightHint">Weight of Patient</string>
    <string name="txtRadKilosToLbs">Convert Kilograms to Pounds</string>
    <string name="txtRadLbsToKilos">Convert Pounds to Kilograms</string>
    <string name="txtTitleText">Convert Patient Weight</string>
</resources>
```

Open editor Hide notification

1:Project Resource Manager Build Variants Favorites Layout Captures 2: Favorites Event Log

resources

Todo Terminal Build Logcat Profiler Run

Gradle build finished in 5 s 71 ms (5 minutes ago) 1:1 CRLF UTF-8 4 spaces

The screenshot shows the Android Studio interface with the project 'MedicalCalculator' open. The 'strings.xml' file is selected in the 'values' folder of the 'res' directory. The code editor displays the XML content for the strings resource. A yellow callout box with the text 'Then, close the strings.xml file' points to the close button in the top right corner of the editor window. Another callout box with the text 'Close. Alt-click to close others' is located at the top of the window. The bottom status bar shows 'Gradle build finished in 5 s 71 ms (5 minutes ago)' and other system information like '1:1 CRLF' and 'UTF-8'.

MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - ...app\src\main\java\edu\udayton\medicalcalculator>MainActivity.java [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator > app > src > main > res > values

1:Project Resource Manager Build Variants I:Structure 2:Favorites Layout Captures

Android

1:Project

app

- manifests
- java
  - edu.udayton.medicalcalculator
    - MainActivity
  - edu.udayton.medicalcalculator (androidTest)
  - edu.udayton.medicalcalculator (test)
- generatedJava
- res
  - drawable
  - layout
  - mipmap
  - values
    - colors.xml
    - strings.xml
    - styles.xml

Gradle Scripts

activity\_main.xml MainActivity.java

```
1 package edu.udayton.medicalcalculator;
2
3 import android.app.Activity;
4 import android.os.Bundle;
5
6 public class MainActivity extends Activity {
7
8     @Override
9     protected void onCreate(Bundle savedInstanceState) {
10         super.onCreate(savedInstanceState);
11         setContentView(R.layout.activity_main);
12     }
13 }
```

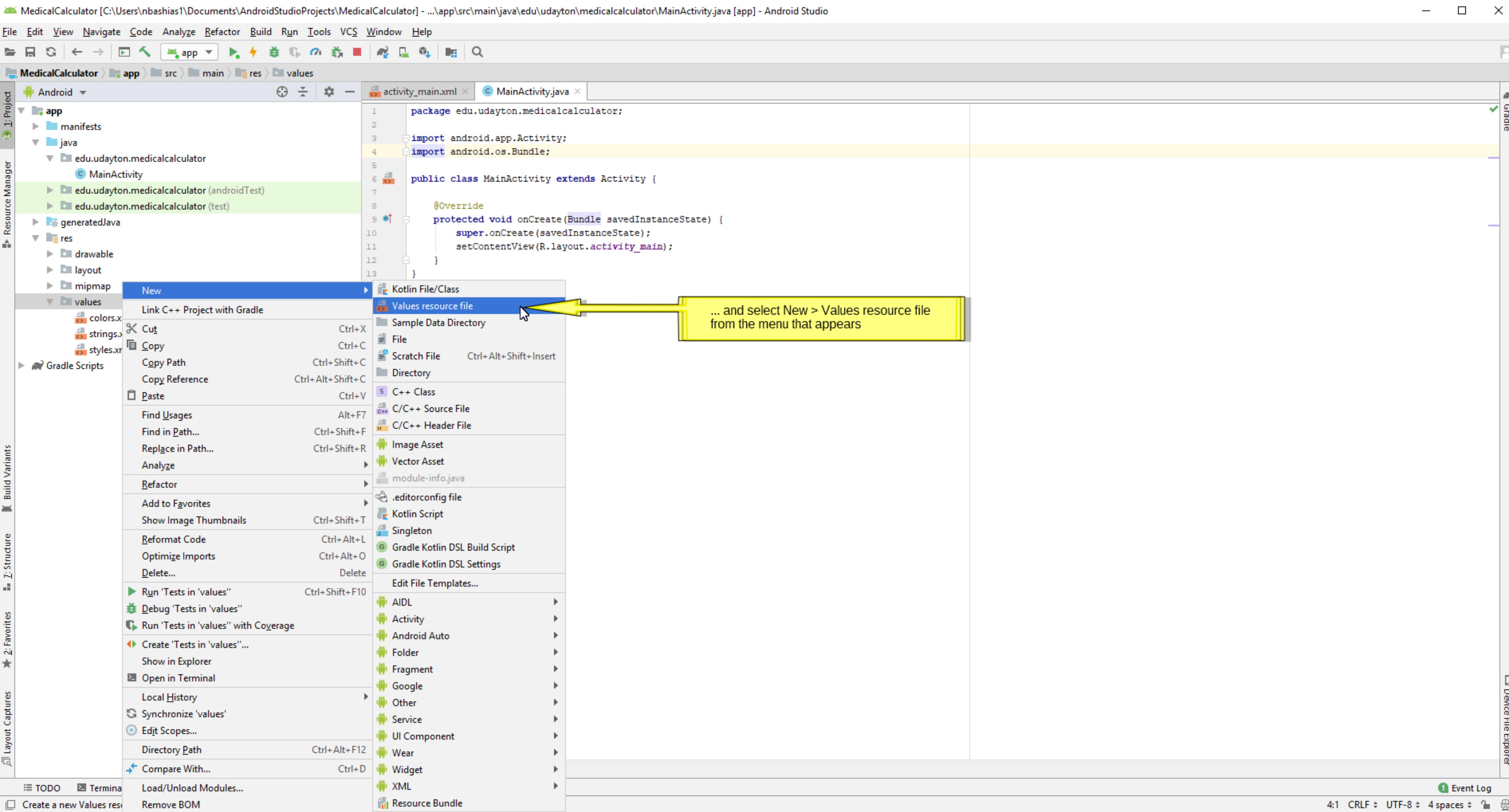
As we did in Lesson 3, to add the dimension resources, right-click the res/values folder ...

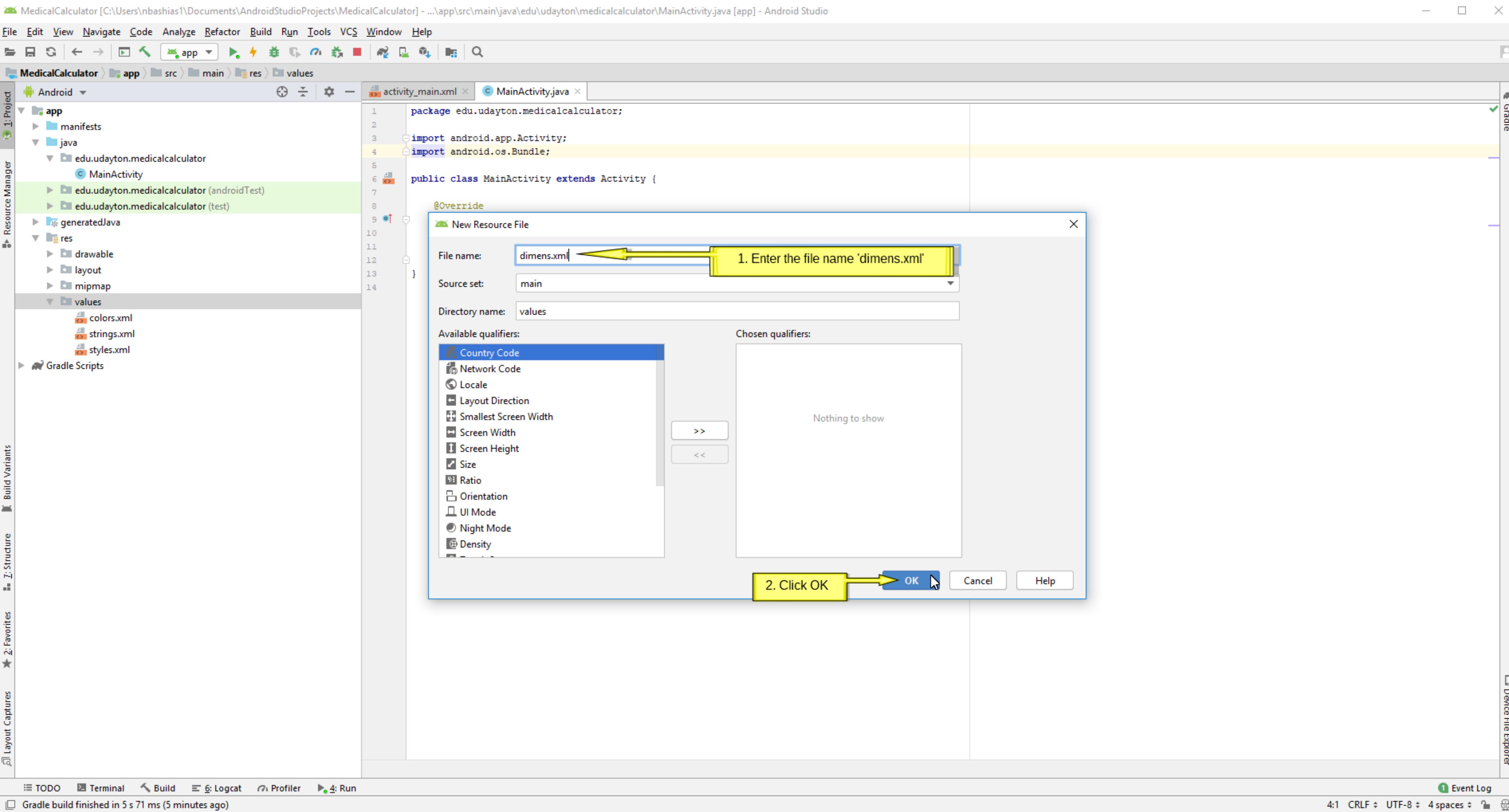
Device File Explorer

TODO Terminal Build Logcat Profiler Run

Event Log

Gradle build finished in 5 s 71 ms (5 minutes ago) 4:1 CRLF UTF-8 4 spaces





MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - ...app\src\main\res\values\dimens.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator app src main res values dimens.xml

1:Project Resource Manager

With the I-bar cursor inside the resources tag, hit the Enter key

```
<?xml version="1.0" encoding="utf-8"?>
<resources></resources>
```

resources

TODO Terminal Build Logcat Profiler Run

XML tag has empty body 2:12 CRLF 4 spaces

Event Log

MedicalCalculator > app > src > main > res > values > dimens.xml

1: Project Resource Manager

1: Project

Gradle

activity\_main.xml MainActivity.java dimens.xml

```
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <dimen name="margin5dp">5dp</dimen>
    <dimen name="topMargin15dp">15dp</dimen>
    <dimen name="titleTextSize">36sp</dimen>
    <dimen name="textFieldTextSize">25sp</dimen>
    <dimen name="radBtnTextSize">20sp</dimen>
    <dimen name="btnConvertTextSize">25sp</dimen>
    <dimen name="txtResultTextSize">25sp</dimen>
</resources>
```

As in Lesson 3,  
add the dimension  
resources shown  
here

Layout Captures 2: Favorites 1: Structure Build Variants Gradle Scripts

MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - ...app\src\main\res\values\dimens.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator > app > src > main > res > values > dimens.xml

Close. Alt-click to close others

Once the dimension resources are all added, close the dimens.xml file

```
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <dimen name="margin5dp">5dp</dimen>
    <dimen name="topMargin15dp">15dp</dimen>

    <dimen name="titleTextSize">36sp</dimen>
    <dimen name="textFieldTextSize">25sp</dimen>
    <dimen name="radBtnTextSize">20sp</dimen>
    <dimen name="btnConvertTextSize">25sp</dimen>
    <dimen name="txtResultTextSize">25sp</dimen>
</resources>
```

1 Project

Resource Manager

Gradle Scripts

Build Variants

Layout Captures

2 Favorites

Event Log

Gradle build finished in 5 s 71 ms (7 minutes ago) 11:13 CRLF UTF-8 4 spaces

MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - ...app\src\main\java\edu\udayton\medicalcalculator>MainActivity.java [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator app src main res values colors.xml

1:Project Resource Manager

Android

app

- manifests
- java
  - edu.udayton.medicalcalculator
    - MainActivity
  - edu.udayton.medicalcalculator (androidTest)
  - edu.udayton.medicalcalculator (test)
- generatedJava
- res
  - drawable
  - layout
  - mipmap
  - values
    - colors.xml
    - dimens.xml
    - strings.xml
    - styles.xml

Gradle Scripts

1:Structure

2:Favorites

Layout Captures

Event Log

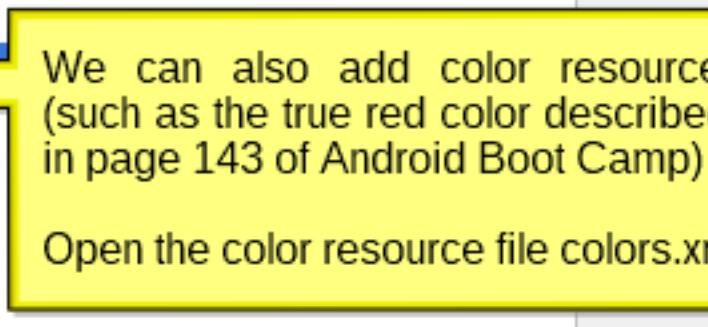
4:Run

Gradle build finished in 5 s 71 ms (7 minutes ago)

4:1 CRLF UTF-8 4 spaces

1 package edu.udayton.medicalcalculator;  
2  
3 import android.app.Activity;  
4 import android.os.Bundle;  
5  
6 public class MainActivity extends Activity {  
7  
8 @Override  
9 protected void onCreate(Bundle savedInstanceState) {  
10 super.onCreate(savedInstanceState);  
11 setContentView(R.layout.activity\_main);  
12 }  
13 }  
14

We can also add color resources (such as the true red color described in page 143 of Android Boot Camp)  
Open the color resource file colors.xml





Android

- app
  - manifests
  - java
    - edu.udayton.medicalcalculator
      - MainActivity
    - edu.udayton.medicalcalculator (androidTest)
    - edu.udayton.medicalcalculator (test)
  - generatedJava
  - res
    - drawable
    - layout
    - mipmap
    - values
      - colors.xml
      - dimens.xml
      - strings.xml
      - styles.xml

```
<?xml version="1.0" encoding="utf-8" ?>
<resources>
    <color name="colorPrimary">#008577</color>
    <color name="colorPrimaryDark">#00574B</color>
    <color name="colorAccent">#D81B60</color>
</resources>
```

Add a blank lines  
(2 new lines) after  
the last pre-defined  
color tag in the file



```
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <color name="colorPrimary">#008577</color>
    <color name="colorPrimaryDark">#00574B</color>
    <color name="colorAccent">#D81B60</color>
    <color name="trueRedColor">#FF0000</color>
</resources>
```

Then, add this color resource definition for true red



Android

1:Project

Resource Manager

Gradle

Notice the color preview

```
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <color name="colorPrimary">#008577</color>
    <color name="colorPrimaryDark">#00574B</color>
    <color name="colorAccent">#D81B60</color>
    <color name="trueRedColor">#FF0000</color>
</resources>
```

values

colors.xml

dimens.xml

strings.xml

styles.xml

Gradle Scripts

Build Variants

I: Structure

Layout Captures

2: Favorites

resources

MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - ...app\src\main\res\values\colors.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator > app > src > main > res > values > colors.xml

Close. Alt-click to close others

Since we're not adding any more colors, we can close the colors.xml file

```
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <color name="colorPrimary">#008577</color>
    <color name="colorPrimaryDark">#00574B</color>
    <color name="colorAccent">#D81B60</color>
    <color name="trueRedColor">#FF0000</color>
</resources>
```

1-Project  
Resource Manager  
Build Variants  
Favorites  
Layout Captures  
2: Favorites  
Layout Explorer  
Device File Explorer

TODO Terminal Build Logcat Profiler Run  
Gradle build finished in 5 s 71 ms (9 minutes ago) 7:47 CRLF UTF-8 4 spaces

Event Log

MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - ...app\src\main\java\edu\udayton\medicalcalculator>MainActivity.java [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator app [app] C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator\app\src\main\res\layout\activity\_main.xml

1:Project

Resource Manager

Gradle Scripts

Build Variants

Layout Captures

2: Favorites

Event Log

Gradle build finished in 5 s 71 ms (9 minutes ago)

4:1 CRLF ÷ UTF-8 ÷ 4 spaces ÷

Android

app

- manifests
- java
  - edu.udayton.medicalcalculator
    - MainActivity
  - edu.udayton.medicalcalculator (androidTest)
  - edu.udayton.medicalcalculator (test)
- generatedJava
- res
  - drawable
  - layout
  - mipmap
  - values
    - colors.xml
    - dimens.xml
    - strings.xml
    - styles.xml

activity\_main.xml

MainActivity.java

```
1 package edu.udayton.medicalcalculator;
2
3 import android.app.Activity;
4 import android.os.Bundle;
5
6 class MainActivity extends Activity {
7
8     @Override
9     protected void onCreate(Bundle savedInstanceState) {
10         super.onCreate(savedInstanceState);
11         setContentView(R.layout.activity_main);
12     }
13 }
14 }
```

In Part 2, we'll be customizing our layout, so click its tab

Device File Explorer

MedicalCalculator [C:\Users\nbashias1\Documents\AndroidStudioProjects\MedicalCalculator] - ...app\src\main\res\layout\activity\_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

MedicalCalculator > app > src > main > res > layout > activity\_main.xml

1:Project

Resource Manager

1:Project

app

- manifests
- java
  - edu.udayton.medicalcalculator
    - MainActivity
  - edu.udayton.medicalcalculator (androidTest)
  - edu.udayton.medicalcalculator (test)
- generatedJava
- res
  - drawable
  - layout
  - mipmap
  - values
    - colors.xml
    - dimens.xml
    - strings.xml
    - styles.xml

Gradle Scripts

Build Variants

2:Structure

Layout Captures

2:Favorites

Design Text

Activity Main XML Editor

Palette

Common Ab TextView

- Text
- Buttons
- Widgets
- Layouts
- Containers
- Google
- Legacy

Pixel 28 Default (en-us) 32% Attributes

Attributes

Ab <unnamed> TextView

id

Declared Attributes

Layout

This ends Part 1 of Lesson 4.

In Part 2 of this lesson, we will use the resources we've defined to customize our app's layout.

Component Tree

ConstraintLayout

Ab TextView- "Hello World!"

layout\_width wrap\_content

layout\_height wrap\_content

visibility

visibility

Common Attributes

text Hello World!

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

Device File Explorer

TODO Terminal Build Logcat Profiler Run

Gradle build finished in 5 s 71 ms (9 minutes ago)

Event Log