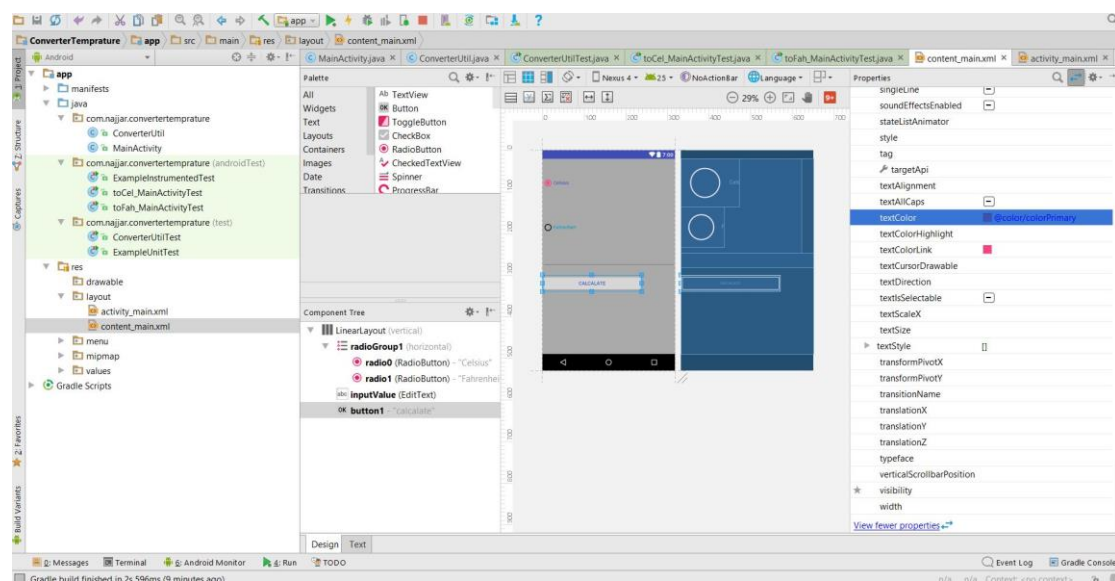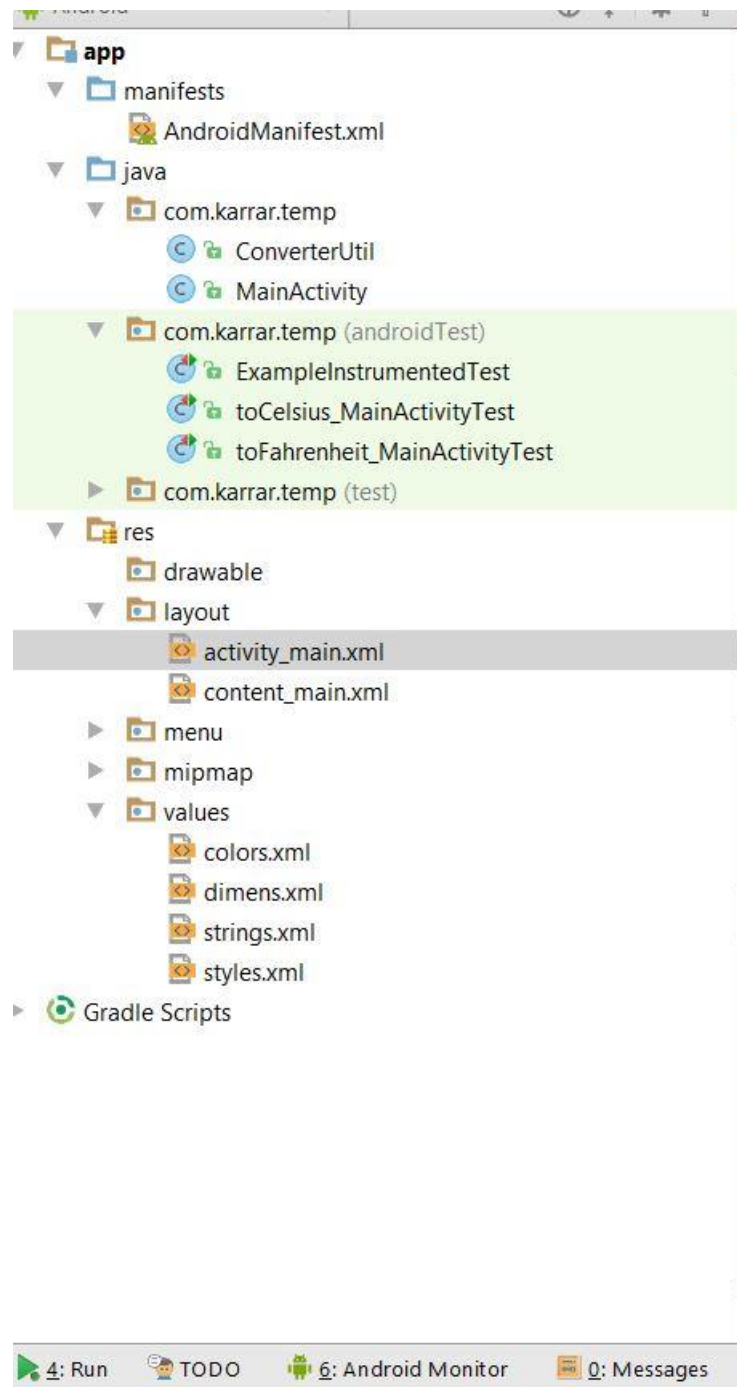# Android Studio

Android Studio is Android's official IDE. It is purpose built for Android to accelerate your development and help you build the highest-quality apps for every Android device.

It offer tools custom-tailored for Android developers, including rich code editing, debugging, testing, and profiling tools.

My Application

The classes of test

THIS code for toCelsius_MainActivityTest

```java
public ActivityTestRule<MainActivity> mActivityTestRule = new
ActivityTestRule<>(MainActivity.class);

    @Test
    public void mainActivityTest() {
        ViewInteraction editText = onView(
```

```java
                    allOf(withId(R.id.inputValue), isDisplayed()));
        editText.perform(click());

        ViewInteraction editText2 = onView(
                allOf(withId(R.id.inputValue), isDisplayed()));
        editText2.perform(replaceText("212"), closeSoftKeyboard());

        ViewInteraction radioButton = onView(
                allOf(withId(R.id.radio0), withText("to Celsius"),
                        withParent(withId(R.id.radioGroup1)),
                        isDisplayed()));
        radioButton.perform(click());

        ViewInteraction button = onView(
                allOf(withId(R.id.button1), withText("Calculate"),
isDisplayed()));
        button.perform(click());

        ViewInteraction editText3 = onView(
                allOf(withId(R.id.inputValue), withText("100.0"),
isDisplayed()));
        editText3.perform(click());

    }

}
```

and This code for toFahrenheit_MainActivityTest

```java
package com.karrar.temp;

import android.support.test.espresso.ViewInteraction;
import android.support.test.rule.ActivityTestRule;

import org.junit.Rule;
import org.junit.Test;

import static android.support.test.espresso.Espresso.onView;
import static android.support.test.espresso.action.ViewActions.click;
import static
android.support.test.espresso.action.ViewActions.closeSoftKeyboard;
import static
android.support.test.espresso.action.ViewActions.replaceText;
import static
android.support.test.espresso.matcher.ViewMatchers.isDisplayed;
import static android.support.test.espresso.matcher.ViewMatchers.withId;
import static
android.support.test.espresso.matcher.ViewMatchers.withParent;
import static
android.support.test.espresso.matcher.ViewMatchers.withText;
import static org.hamcrest.Matchers.allOf;



public class toFahrenheit_MainActivityTest {
    @Rule
    public ActivityTestRule<MainActivity> mActivityTestRule = new
ActivityTestRule<>(MainActivity.class);

    @Test
    public void toFahrenheit_MainActivityTest() {
        ViewInteraction editText = onView(
                allOf(withId(R.id.inputValue), isDisplayed()));
        editText.perform(click());
```

```java
        ViewInteraction editText2 = onView(
                allOf(withId(R.id.inputValue), isDisplayed()));
        editText2.perform(replaceText("212"), closeSoftKeyboard());

        ViewInteraction radioButton = onView(
                allOf(withId(R.id.radio1), withText("to Fahrenheit"),
                        withParent(withId(R.id.radioGroup1)),
                        isDisplayed()));
        radioButton.perform(click());

        ViewInteraction button = onView(
                allOf(withId(R.id.button1), withText("Calculate"),
isDisplayed()));
        button.perform(click());

        ViewInteraction editText3 = onView(
                allOf(withId(R.id.inputValue), withText("413.6"),
isDisplayed()));
        editText3.perform(click());

    }

}
```
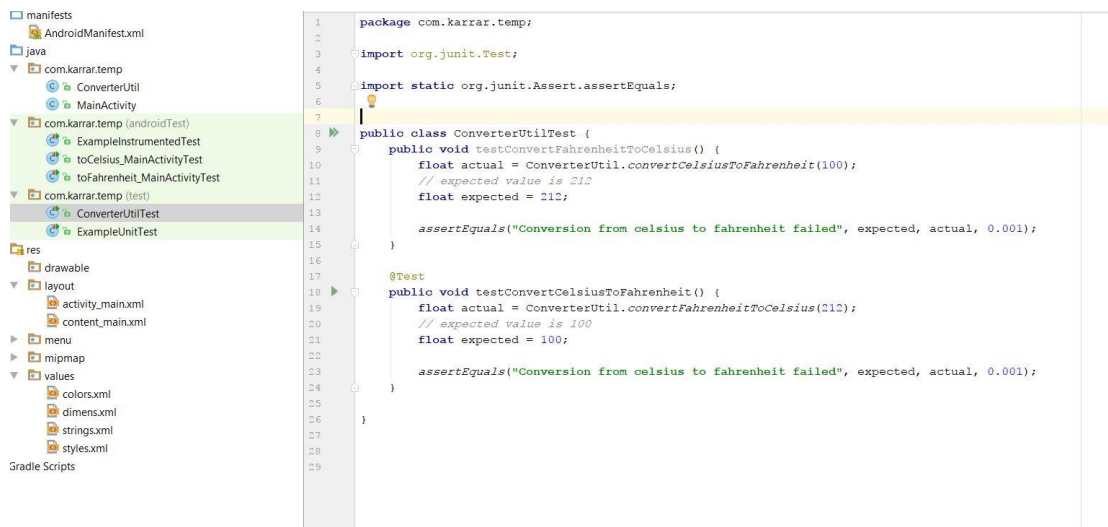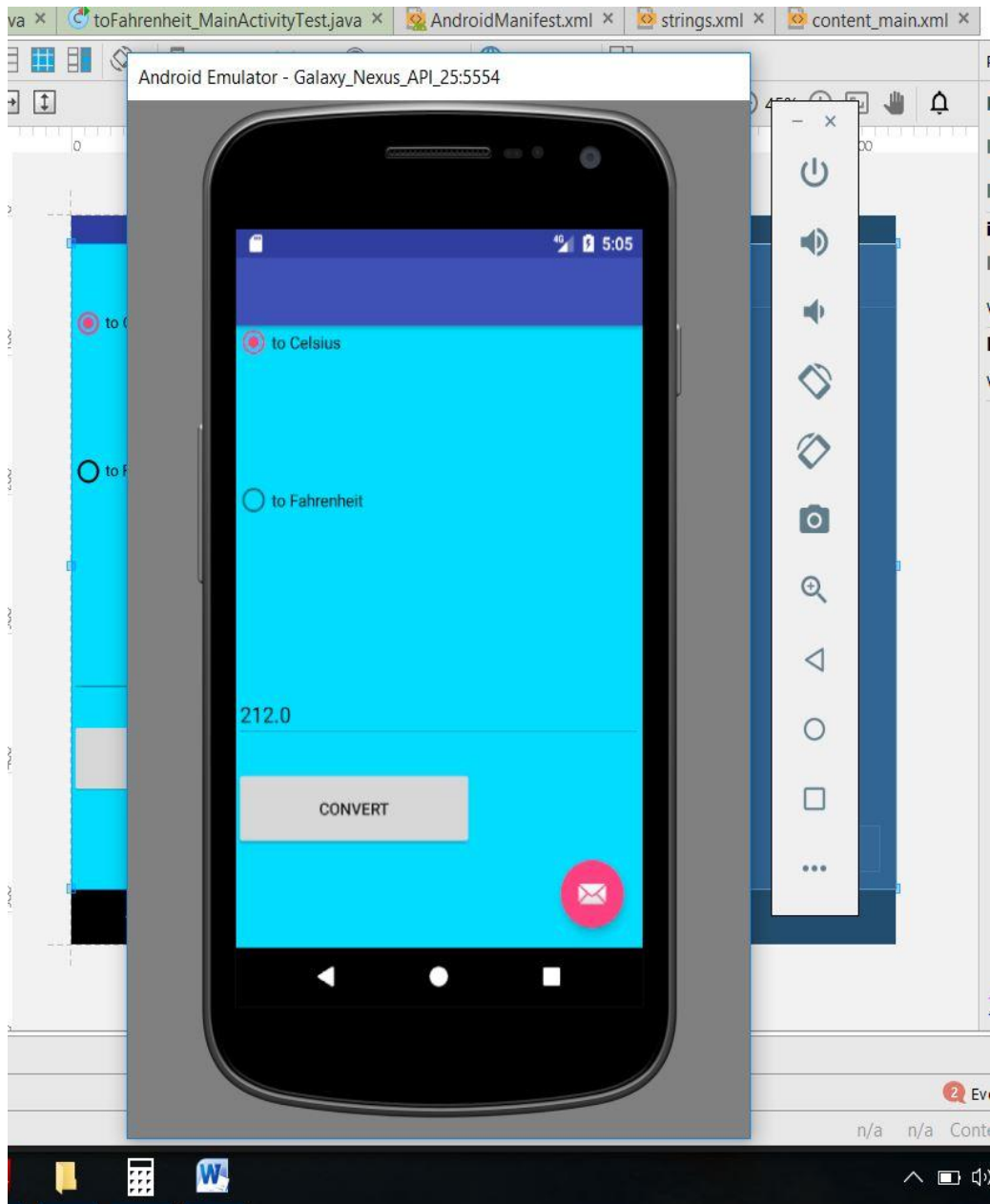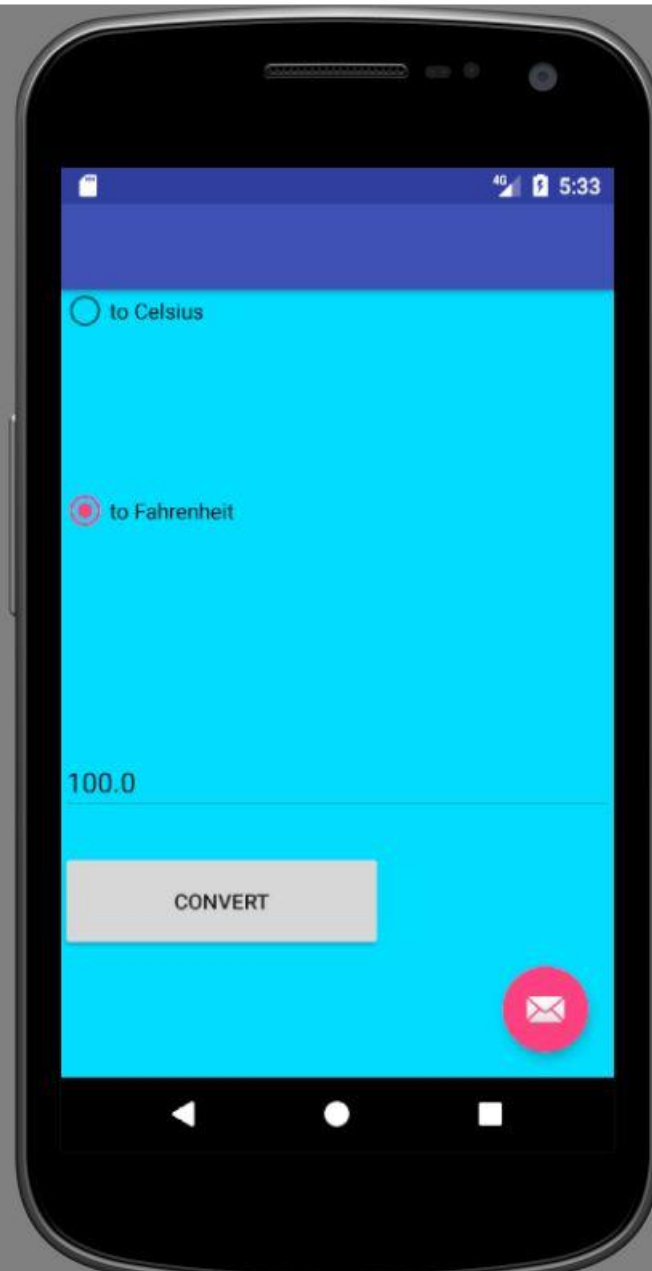
Unit test class

THIS IS THE RESULT

Android Emulator - Galaxy_Nexus_API_25:5554

to Celsius

to Fahrenheit

212.0

CONVERT

to Celsius

to Fahrenheit

100.0

CONVERT

THANK YOU

KARRAR AL-JAMMALI

E5W0C3