

REPORT

Codelab 4: Activities and Intents

Subject: Desarrollo de Aplicaciones

Moviles Nativas

Group : 7CV1

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1. Introduction

In this practical i created explicit intents. Worked and edited Activities. And use buttons and text-views to send messages from one Activity to another

<https://developer.android.com/codelabs/android-training-create-an-activity#0>

What i learned:

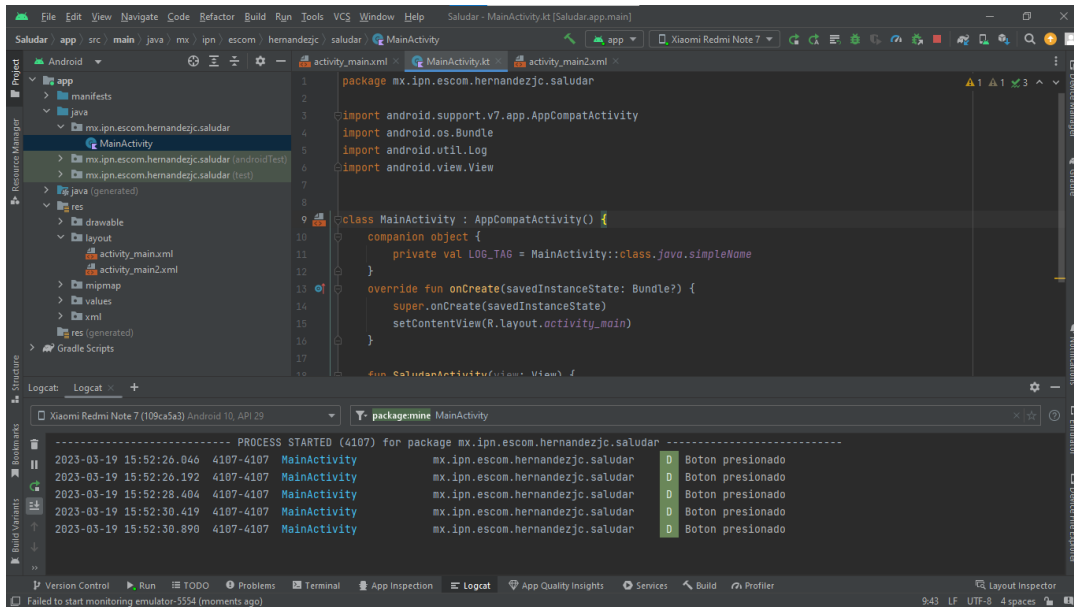
- How to create a new Activity in Android Studio.
- How to define parent and child activities for Up navigation.
- How to start an Activity with an explicit Intent.
- How to pass data between each Activity with an explicit Intent.

2. Development

2.1. Tasks

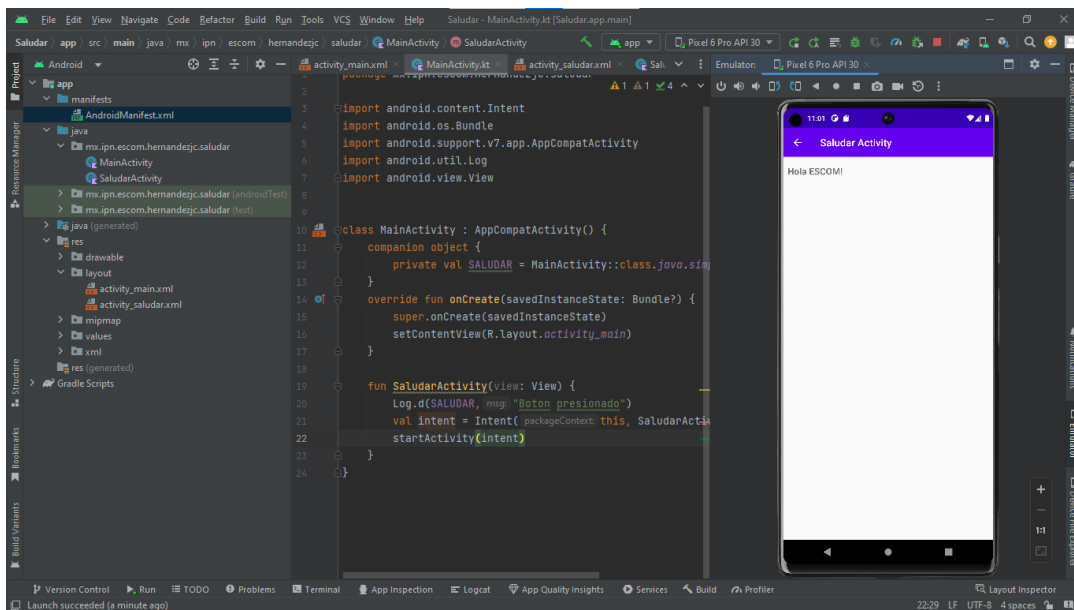
2.1.1. Task 1: Create the TwoActivities project

In this task i seted up the initial project with a main Activity, defined the layout, and defined a skeleton method for the onClick button event.



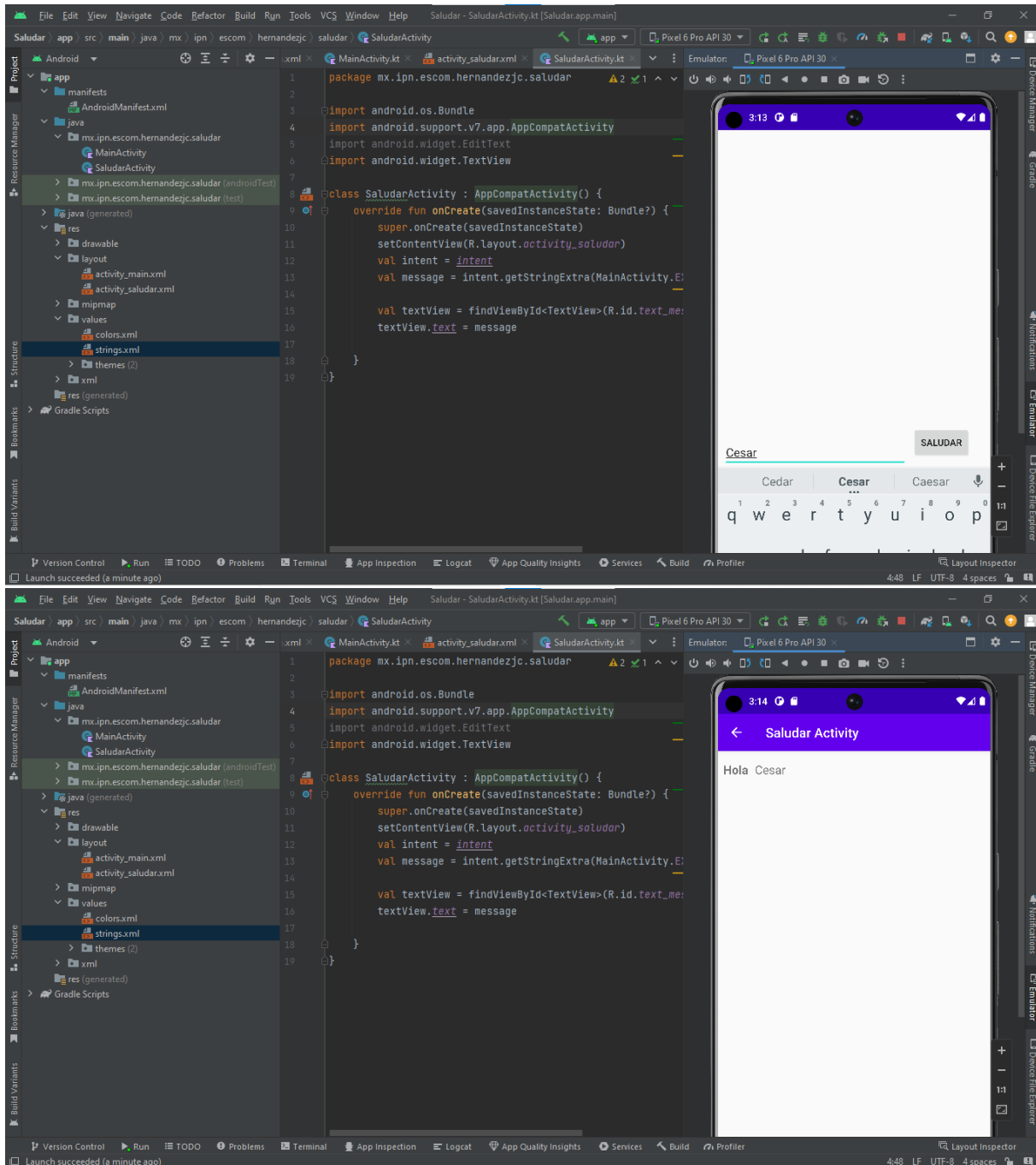
2.1.2. Task 2: Create and launch the second Activity

In this task i added a second activity to my app, with its own layout. I modified the AndroidManifest.xml file to define the main activity as the parent of the second activity. Then i modified the launchSecondActivity() method in MainActivity to include an intent that launches the second activity when a user click the button.



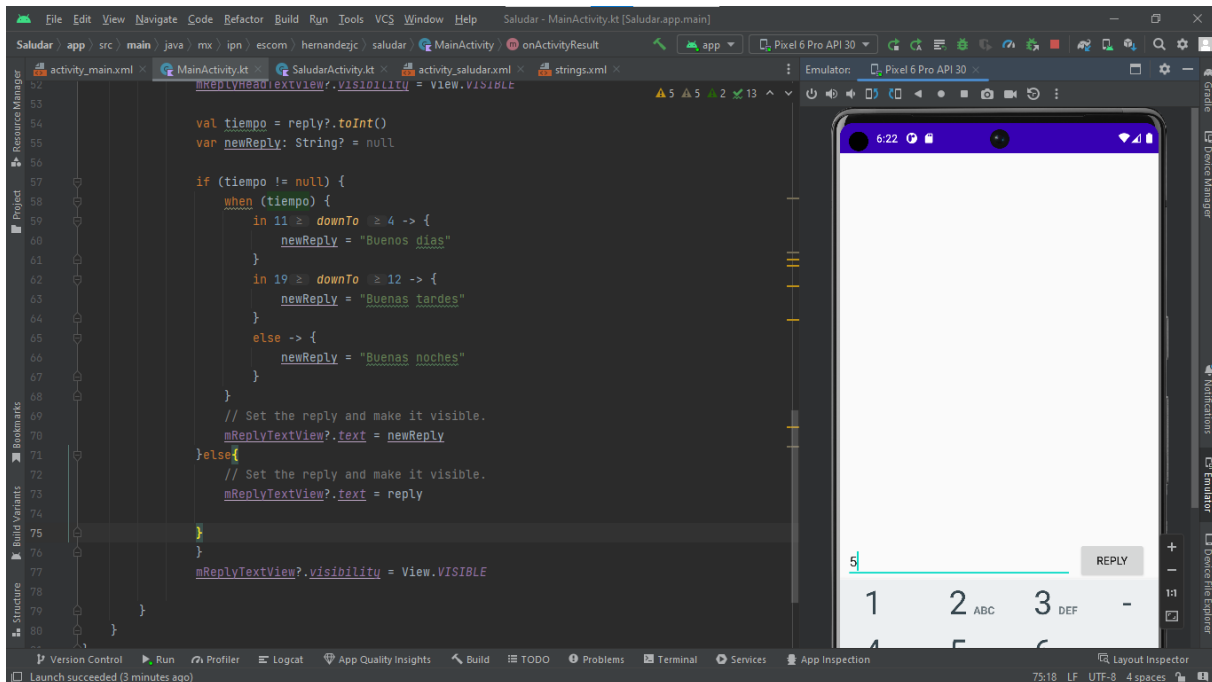
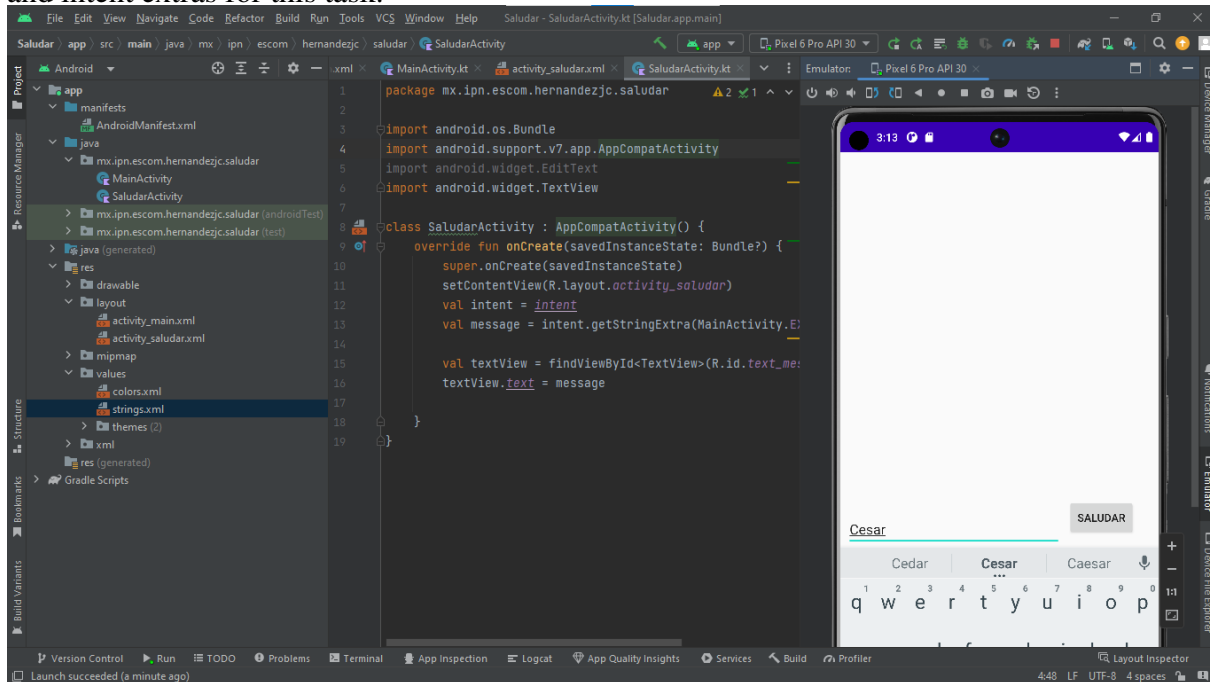
2.1.3. Task 3: Send data from the main Activity to the second Activity

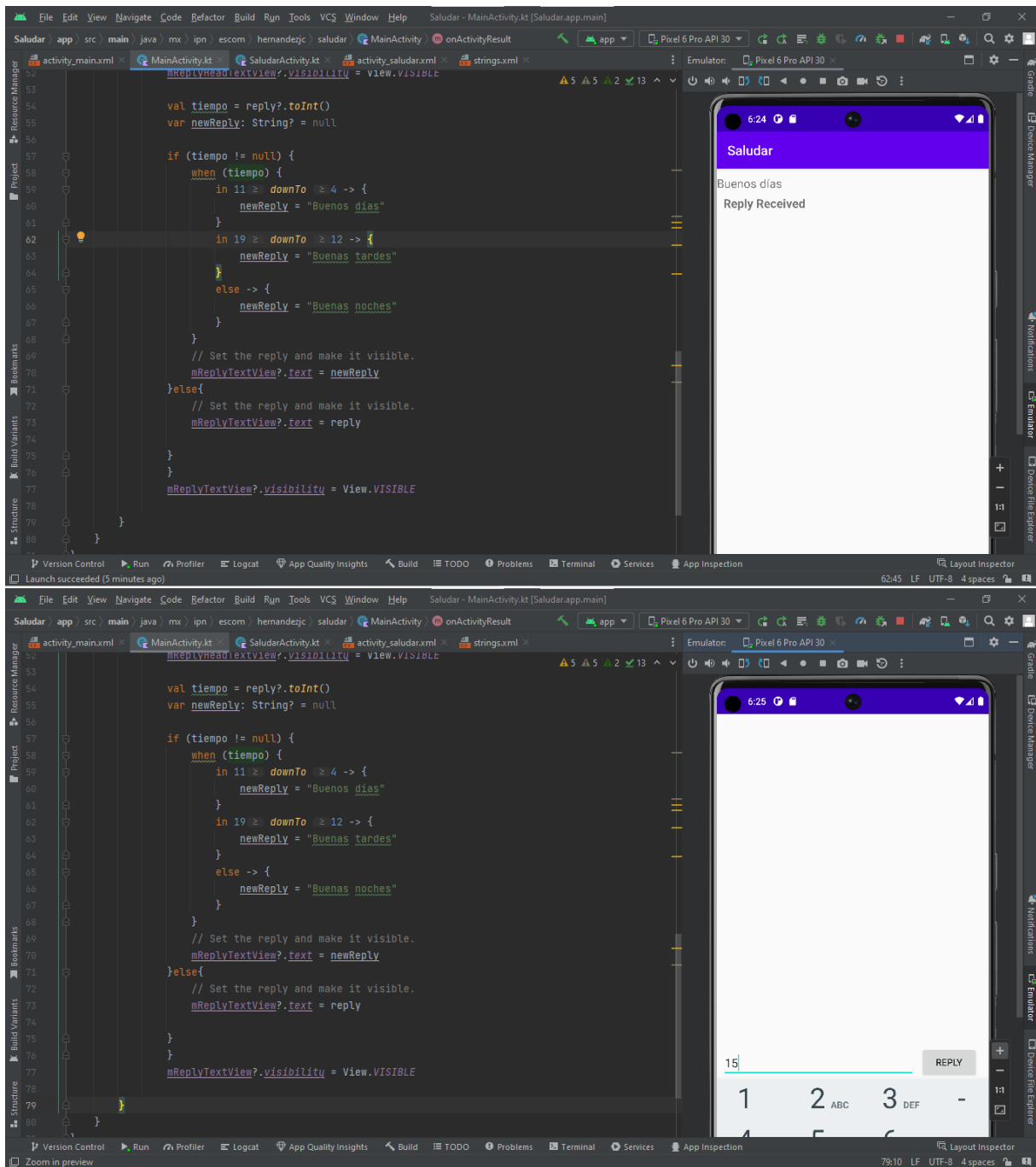
In this task, i modified the explicit intent in MainActivity to include additional data (in this case, a user-entered string) in the intent extra Bundle. Then i modified the SecondActivity to get that data back out of the intent extra Bundle and display it on the screen.

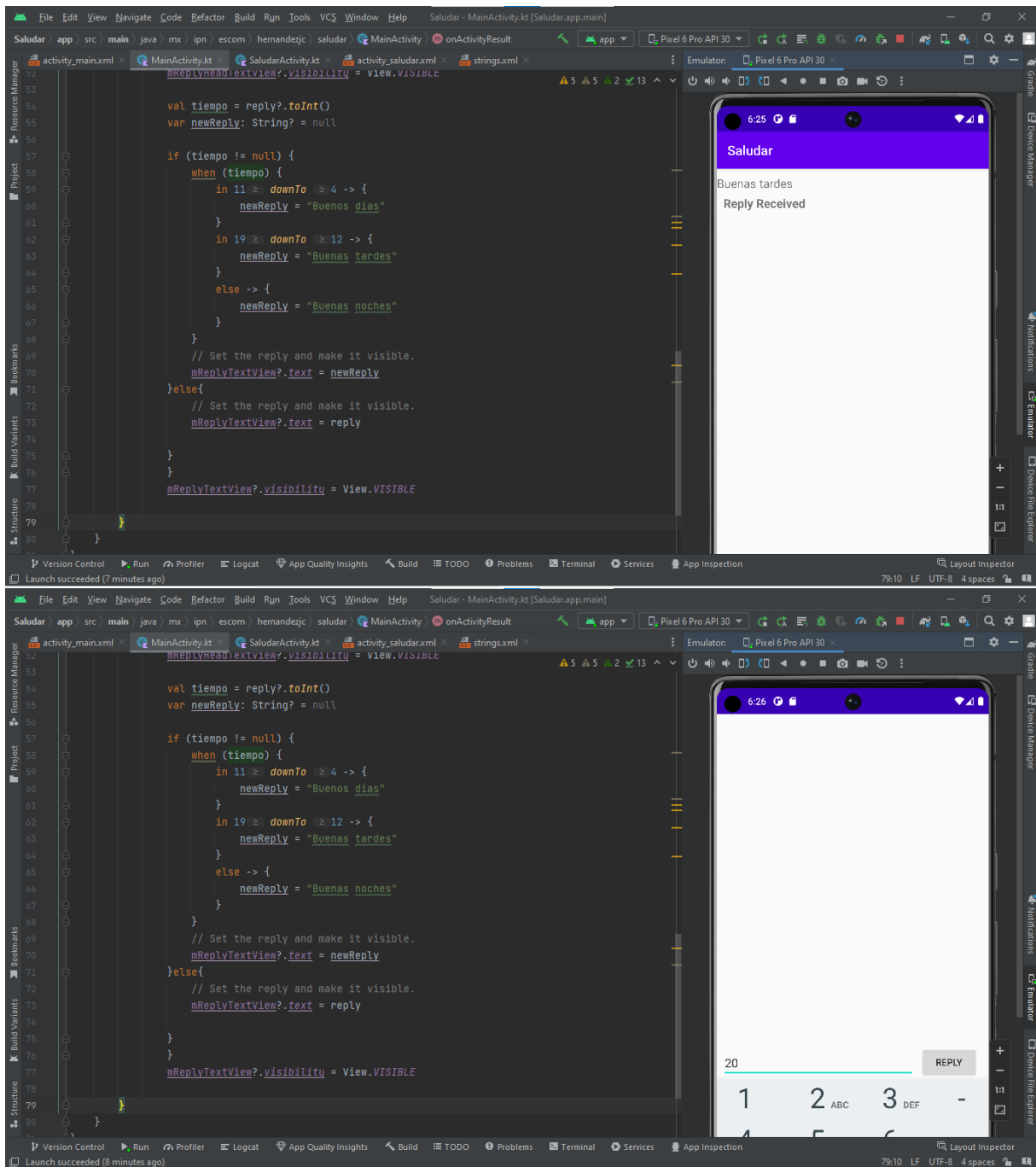


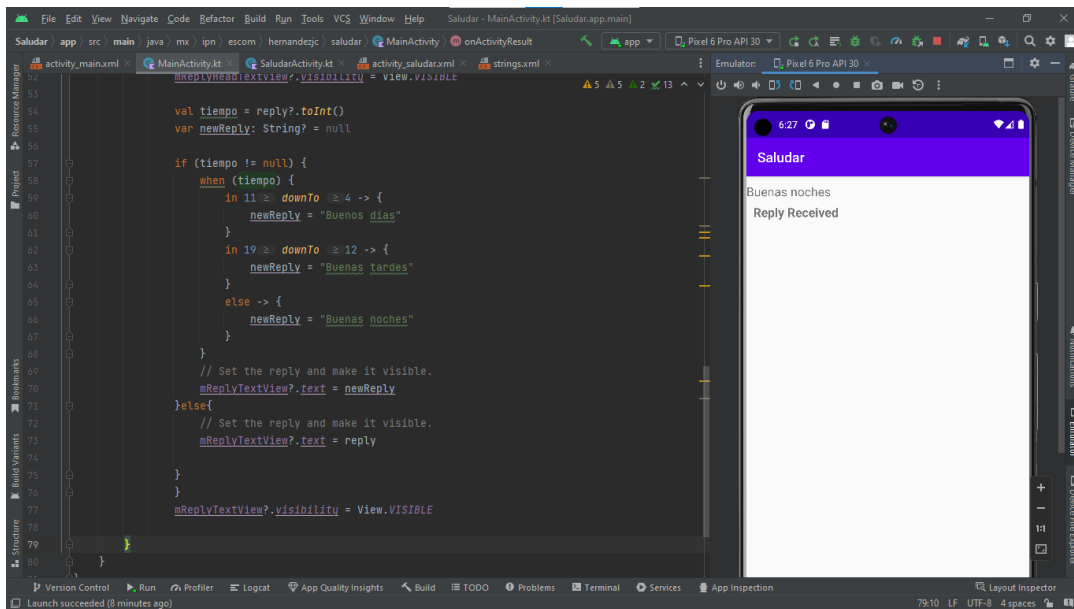
2.1.4. Task 4: Return data back to the main Activity

The final step was to return data from the second activity back to the main activity. I used an intent and intent extras for this task.



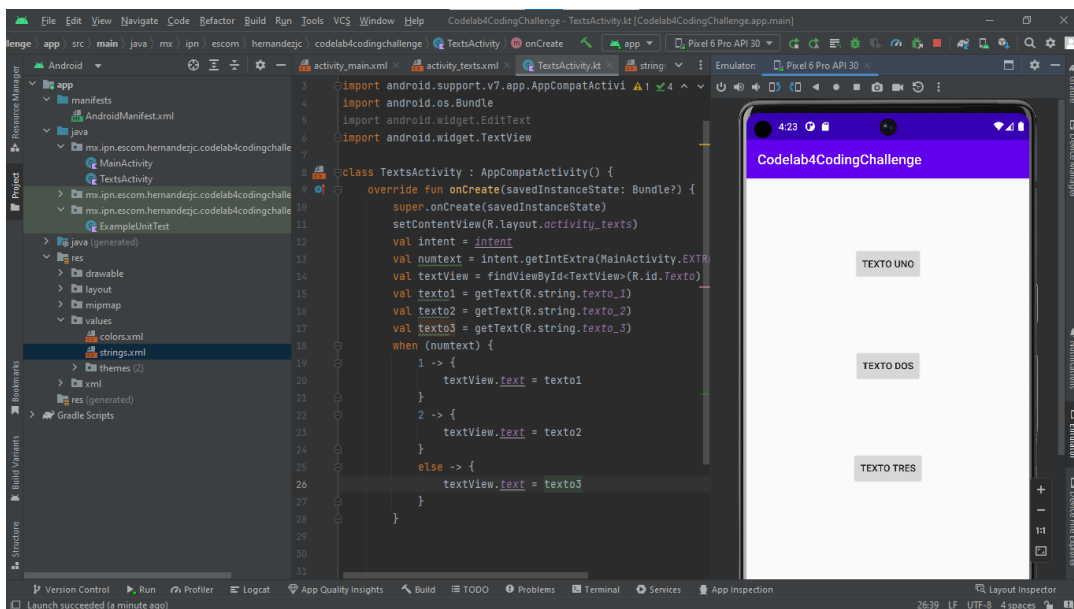


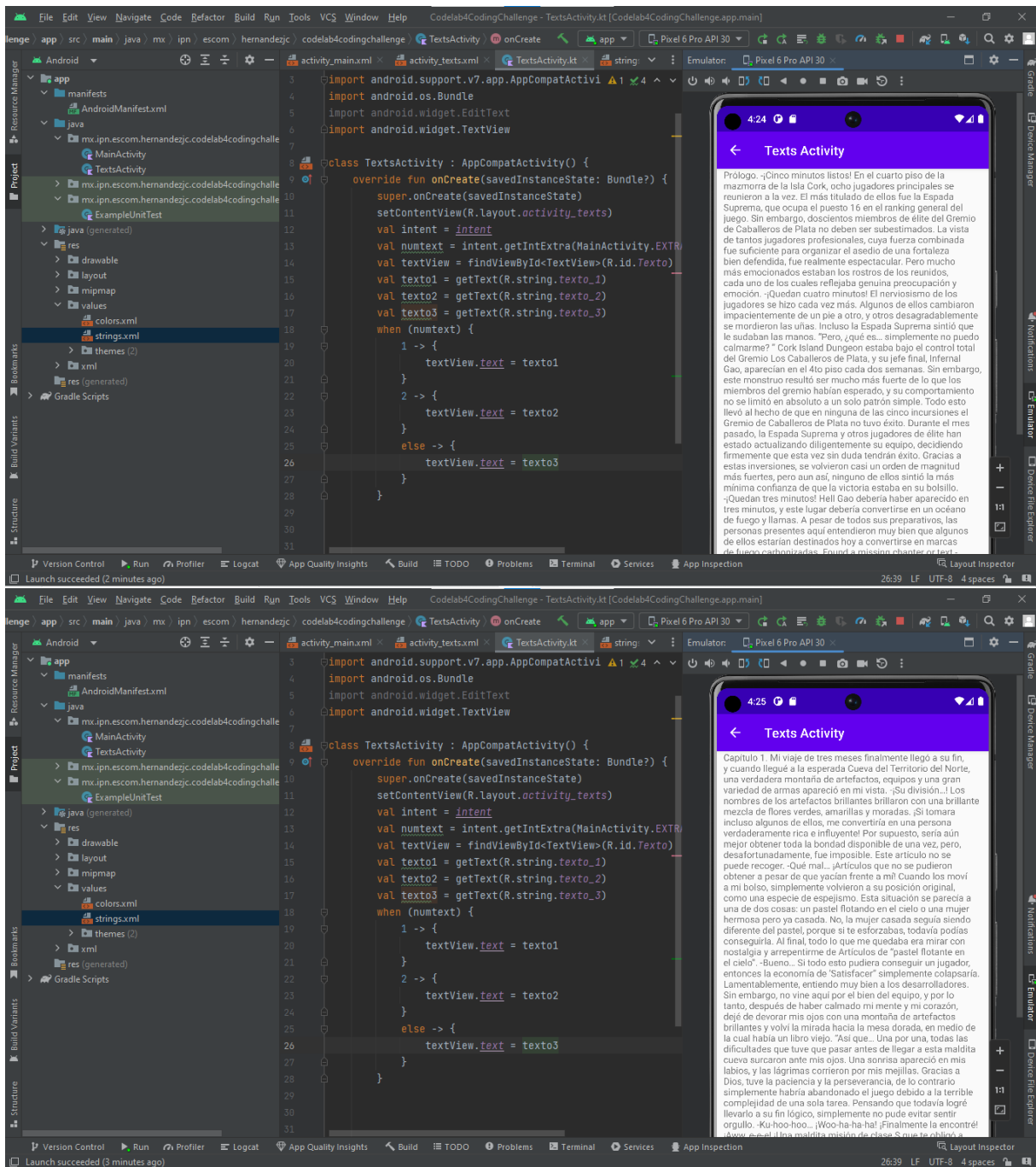


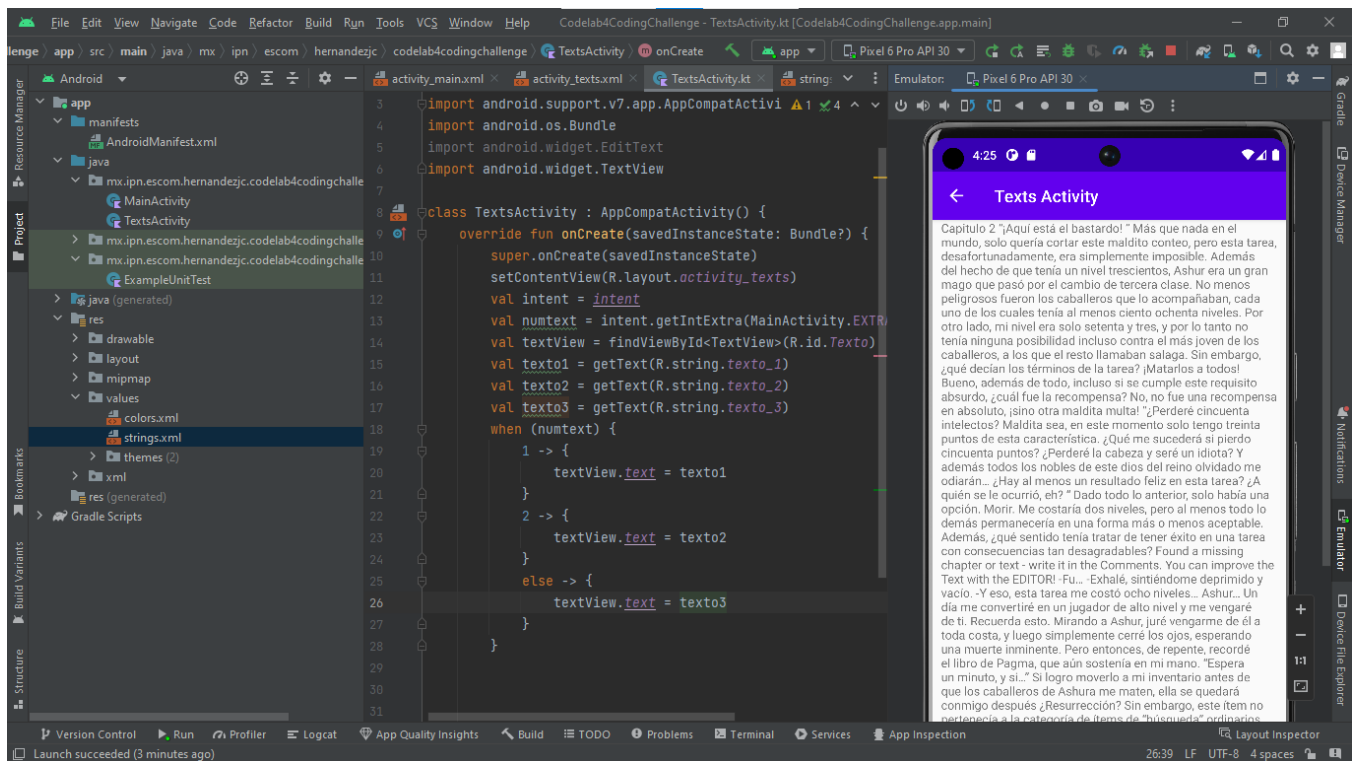


2.2. Coding Challenge

Challenge: Create an app with three Button elements labeled Text One, Text Two, and Text Three. When any of these Button elements are clicked, launch a second Activity. That second Activity should contain a ScrollView that displays one of three text passages (you can include your choice of passages). Use an Intent to launch the second Activity with extras to indicate which of the three passages to display.







2.3. Homework

Question 1

What changes are made when you add a second Activity to your app by choosing File >New >Activity and an Activity template? Choose one:

R:

->The second Activity is added as a Java class, the XML layout file is created, and the AndroidManifest.xml file is changed to declare a second Activity.

Question 2

What happens if you remove the android:parentActivityName and the <meta-data>elements from the second Activity declaration in the AndroidManifest.xml file? Choose one:

R:

->The Back button no longer works in the second Activity to send the user back to the main Activity.

Question 3

Which constructor method do you use to create a new explicit Intent? Choose one:

R:

->new Intent(Context context, Class<?>class)

Question 4

In the HelloToast app homework, how do you add the current value of the count to the Intent?

Choose one:

R:

->As an Intent extra

Question 5

In the HelloToast app homework, how do you display the current count in the second "Hello" Activity?

Choose one:

R:

->Get the Intent that the Activity was launched with.

->Get the current count value out of the Intent.

->Update the TextView for the count.

->All of the above.