Lappeenrannan teknillinen yliopisto

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Software Development Skills

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LEARNING DIARY, MOBILE MODULE

**LEARNING DIARY**

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Android Studio For Beginners

In this tutorial I learnt about the basics of Android Studio, like adding components to the view and basic scripting, and debugging. Debugging is similar to other programs. I did the simple app example.

I set up the repository as I did for other courses with *git* init and *git remote add* and downloaded Android Studio. The program has changed a lot from the video examples, for instance, to change to the preferences recommended in the tutorial, I had to access *settings*, which were represented as a gear symbol. While, on the tutorial, said options are accessed by pressing the program title.

Furthermore, in the current version it is necessary to confirm the refactor when changing the id of an app element and the options for debugging are in *Run*->*Debugging* *actions…*

Instead of concatenating *result+””* to show the result in the *TextView* as the tutorial did, I used *Integer.toString(result)*, because the program showed a warning.

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Android Studio For Beginners Part 2

I followed the tutorial and learned about Activities and Intentions, and reinforced the knowledge from the first video. Android Studio has changed a bit from the tutorial version, it asks for more confirmations when adding an Activity than in the video, but it works the same.

The biggest issue I encountered was that the button supposed to open *google.com* was not working, probably because the difference in versions. After looking online I added the following filter to *AndroidManifest.xml*:

<activity ...>  
    <intent-filter>  
        <action android:name="android.intent.action.VIEW" />  
        <!-- Include the host attribute if you want your app to respond  
             only to URLs with your app's domain. -->  
        <data android:scheme="http" android:host="www.example.com" />  
        <category android:name="android.intent.category.DEFAULT" />  
        <!-- The BROWSABLE category is required to get links from web pages. -->  
        <category android:name="android.intent.category.BROWSABLE" />  
    </intent-filter>  
</activity>

This appears in the documentation for Android Studio: <https://developer.android.com/guide/components/intents-common#ViewUrl>

About how to load a web URL.

I also learned that you can send data between Activities as key-value pairs and how to use said data.