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| Android Tutorial – Part 3 |

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| 6-11-2018 |



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# Introduction

This is the part three of the android tutorial series. It is a continuation from last week. In order to follow this successfully, it is required to have,

* A basic understanding given about android in last session.
* The environment set up.
* The project created during last tutorial, opened in Android Studio.
* AVD or an Actual device ready for app deployment.

To catch up, in the last session (Android Tutorial Part 2),

* Android Studio’s UI Design View (Layout Editor)
* Android studio functionality
  + How to Rename a File
  + How to Compare Two Files
  + How to Delete a File
* Android Views and View Groups
  + Different Types of Views
* Design a User interface
  + How to add a Layout XML file
  + Positioning and Resizing Views
  + Constructing UIs using components in pallet
  + Changing attributes of different view
    - By Editing XML
    - By using “Attribute” window
  + Usage of strings.xml file
    - how to add a string resource
    - how to use a string resource in a layout
  + Usage of colors.xml file
    - how to add a color resource
    - how to use a color resource in a layout
  + Usage of styles.xml file
    - how to add a style resource
    - how to use a style resource in a layout
* Access and Modify UI from Activity class
  + **setContentView** Method
  + change application's startup activity
  + **findViewById** Method
  + **TextChangedListener**
  + **OnClickListener**
* Toasts
* Intents
  + Navigating between Activities
* Source code for this part can be found in Git Repository given below :- <https://github.com/nadee158/android_tutorial_part_2.git>

With that knowledge in hand, in this session below areas will be covered,

* Load contact List in the phone to a search box
  + Adding special permissions to “**AndroidManifest.xml**”
* Using a SQLite Database in Android Application

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