

Lab

Listview using ArrayAdapter

- Create class that Extends Activity
- Create String Array of Objects to be added in the list

```
String[] mobileArray =  
{ "Android", "IPhone", "WindowsMobile", "Blackberry",  
  "WebOS", "Ubuntu", "Windows7", "Max OS X" };
```

Create ArrayAdapter

```
ArrayAdapter adapter = new ArrayAdapter<String>(this,  
R.layout.activity_listview, mobileArray);
```

- Create ListView to hold data

```
ListView listView = (ListView) findViewById(R.id.mobile_list);
```

setAdapter to ListView

```
listView.setAdapter(adapter);
```

Create layout file with ListView

```
<ListView android:id="@+id/mobile_list"  
android:layout_width="match_parent"  
android:layout_height="wrap_content" >  
</ListView>
```

Create Single list item

- ```
<?xml version="1.0" encoding="utf-8"?> <!-- Single List Item Design --> <TextView
xmlns:android="http://schemas.android.com/apk/res/android"
android:id="@+id/label" android:layout_width="fill_parent"
android:layout_height="fill_parent" android:padding="10dip"
android:textSize="16dip" android:textStyle="bold" > </TextView>
```

# Recycler View

- **1.** In Android Studio, go to **File ⇒ New Project** and fill all the details required to create a new project. When it prompts to select a default activity, select **Blank Activity** and proceed.
- **2.** Open **build.gradle** and add recycler view dependency.  
**com.android.support:recyclerview-v7:26.1.0** and rebuild the project.

# Ref

- <https://www.androidhive.info/2016/01/android-working-with-recycler-view/>

## CUSTOM ADAPTER

<https://www.mkyong.com/android/android-listview-example>