



MAD ASSIGNMENT 1

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LISTVIEW EXAMPLE & CODE

activity_list_view_android_example.xml File

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical" >

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

</LinearLayout>
```

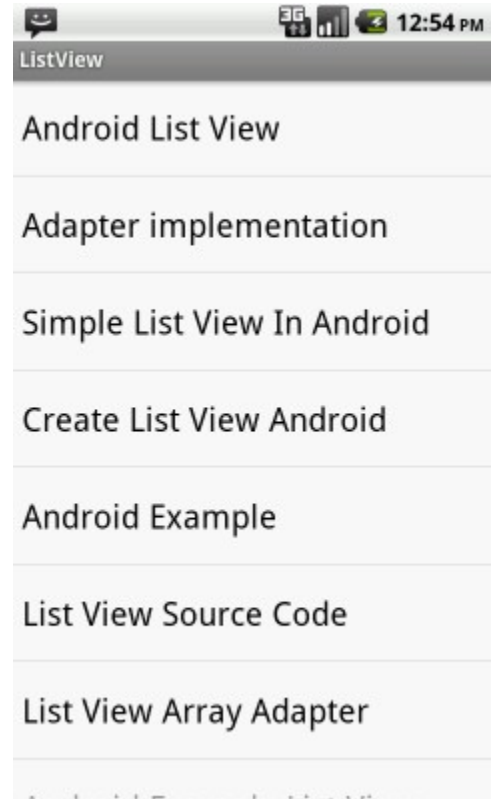
ListViewAndroidExample.java File

```
public class ListViewAndroidExample extends Activity {
    ListView listView ;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_list_view_android_example);

        // Get ListView object from xml
        listView = (ListView) findViewById(R.id.list);

        // Defined Array values to show in ListView
        String[] values = new String[] { "Android List View",
            "Adapter implementation",
            "Simple List View In Android",
            "Create List View Android",
            "Android Example",
            "List View Source Code",
            "List View Array Adapter",
            "Android Example List View"
        };
    }
}
```



```

// Define a new Adapter
// First parameter - Context
// Second parameter - Layout for the row
// Third parameter - ID of the TextView to which the data is written
// Forth - the Array of data

ArrayAdapter<String> adapter = new ArrayAdapter<String>(this,
    android.R.layout.simple_list_item_1, android.R.id.text1, values);

// Assign adapter to ListView
listView.setAdapter(adapter);

// ListView Item Click Listener
listView.setOnItemClickListener(new OnItemClickListener() {

    @Override
    public void onItemClick(AdapterView<?> parent, View view,
        int position, long id) {

        // ListView Clicked item index
        int itemPosition = position;

        // ListView Clicked item value
        String itemValue = (String) listView.getItemAtPosition(position);

        // Show Alert
        Toast.makeText(getApplicationContext(),
            "Position :"+itemPosition+" ListItem : " +itemValue , Toast.LENGTH_LONG)
            .show();

    }

});
}
}

```