# Lab Exercise 06: List View

ActivityMain.java

package com.example.lab06;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.AdapterView;  
import android.widget.ArrayAdapter;  
import android.widget.ListView;  
import android.widget.Toast;  
  
import java.util.ArrayList;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 final ListView listView = findViewById(R.id.*listView*);  
 ArrayList<String> list = new ArrayList<>();  
 list.add("Computer Science");  
 list.add("Physical Science with Computer Science");  
 list.add("Chemistry");  
 list.add("Physics");  
  
 ArrayAdapter<String> adapter = new ArrayAdapter<>(this, android.R.layout.*simple\_list\_item\_1*, list);  
 listView.setAdapter(adapter);  
 listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {  
 @Override  
 public void onItemClick(AdapterView<?> adapterView, View view, int i, long l) {  
 switch (i) {  
 case 0:  
 Toast.*makeText*(getApplicationContext(), "TIC of CS: Dr. Sunita Narang", Toast.*LENGTH\_SHORT*).show();  
 return;  
 case 1:  
 Toast.*makeText*(getApplicationContext(), "TIC of PSCS: Dr. MK Bhandari", Toast.*LENGTH\_SHORT*).show();  
 return;  
 case 2:  
 Toast.*makeText*(MainActivity.this, "TIC of Chemistry: Miss Nishu Sharma", Toast.*LENGTH\_SHORT*).show();  
 return;  
 case 3:  
 Toast.*makeText*(getApplicationContext(), "TIC of Physics: Dr. Chandrakant Samal", Toast.*LENGTH\_SHORT*).show();  
 return;  
 }  
 }  
 });  
 }  
}

main\_activity.xml

*<?*xml version="1.0" encoding="utf-8"*?>*<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 tools:context=".MainActivity">  
  
 <ListView  
 android:id="@+id/listView"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent" />  
</LinearLayout>

OUTPUT

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| Graphical user interface, application  Description automatically generated | Graphical user interface, application  Description automatically generated | Graphical user interface, application  Description automatically generated |