

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
1) {

                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

