Practical - 17 : Write a program to demonstrate use of List View. .

Activity\_main.xml

*<?*xml version="1.0" encoding="utf-8"*?>*<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity">  
  
 <ListView  
 android:id="@+id/listview"  
 android:layout\_width="416dp"  
 android:layout\_height="531dp"  
 android:layout\_marginTop="56dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

MainActivity.java

package com.example.listview;  
  
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.TextView;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 ListView listView;  
 TextView textView;  
 String[] listItem;  
  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 listView=(ListView)findViewById(R.id.*listview*);  
 textView=(TextView)findViewById(R.id.*textView*);  
 listItem = getResources().getStringArray(R.array.*tech*);  
  
 final ArrayAdapter<String> adapter = new ArrayAdapter<String>(this,  
 android.R.layout.*simple\_list\_item\_1*, android.R.id.*text1*, listItem);  
 listView.setAdapter(adapter);  
  
 listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {  
 @Override  
 public void onItemClick(AdapterView<?> adapterView, View view, int position, long l) {  
 *// TODO Auto-generated method stub* String value=adapter.getItem(position);  
 Toast.*makeText*(getApplicationContext(),value, Toast.*LENGTH\_SHORT*).show();  
  
 }  
 });  
 }  
}

string.xml

<resources>  
 <string name="app\_name">listview</string>  
 <string-array name="tech">  
 <item>Android</item>  
 <item>Java</item>  
 <item>Php</item>  
 <item>Hadoop</item>  
 <item>Sap</item>  
 <item>Python</item>  
 <item>Ajax</item>  
 <item>C++</item>  
 <item>Ruby</item>  
 <item>Rails</item>  
 <item>.Net</item>  
 <item>Perl</item>  
 </string-array>  
</resources>

mylist.xml

*<?*xml version="1.0" encoding="utf-8"*?>*<TextView xmlns:android="http://schemas.android.com/apk/res/android"  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Medium Text"  
 android:textStyle="bold"  
 android:textAppearance="?android:attr/textAppearanceMedium"  
 android:layout\_marginLeft="10dp"  
 android:layout\_marginTop="5dp"  
 android:padding="2dp"  
 android:textColor="#4d4d4d"  
 />

Output:

