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</pre>
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) findViewBvId(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 1) {
                // 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:

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listview	

Android	
Java	
Php	
Hadoop	
Sap	
Python	
Ajax	
C++	
Ruby	
Rails	

.Net