

Question

Create an android application using linear layout and insert 10 games in the list view and display the selected game in the text view.

ListView Control

List of scrollable items can be displayed in Android using ListView. It helps you to displaying the data in the form of a scrollable list. Users can then select any list item by clicking on it. ListView is default scrollable so we do not need to use scroll View or anything else with ListView.

Activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical">

        <ListView
            android:id="@+id/listView"
            android:layout_width="match_parent"
            android:layout_height="fill_parent"

            android:divider="#AAA"
            android:dividerHeight="1dp"
            android:listSelector="#FF0"
            />

    </LinearLayout>
</RelativeLayout>
```

String.xml

```
<resources>
  <string name="app_name">Prof. Shahid Ansari</string>

  <string-array name="array_technology">
    <item>Game1</item>
    <item>Game2</item>
    <item>Game3</item>
    <item>Game4</item>
    <item>Game5</item>
    <item>Game6</item>
    <item>Game7</item>
    <item>Game8</item>
    <item>Game9</item>
    <item>Game10</item>
  </string-array>
</resources>
```

Main Activity.java

```
package com.maharashtracollege.profshahidansari;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.graphics.Color;
import android.os.Bundle;

import android.os.Bundle;
import android.app.Activity;
import android.view.Menu;
import android.view.View;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.ListView;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {
```

```
ListView listView;  
String[] listItem;
```

```
@Override
```

```
protected void onCreate(Bundle savedInstanceState) {
```

```
    super.onCreate(savedInstanceState);  
    setContentView(R.layout.activity_main);
```

```
    listView=(ListView)findViewById(R.id.listView);
```

```
    listItem = getResources().getStringArray(R.array.array_technology);  
    final ArrayAdapter<String> adapter = new ArrayAdapter<String>(this,  
        android.R.layout.simple_list_item_1, android.R.id.text1, listItem);  
    listView.setAdapter(adapter);
```

```
    listView.setOnClickListener(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();
```

```
        }
```

```
    });
```

```
}
```

```
}
```

