Program 10

31-10-22

Develop an application that uses Array Adapter with ListView

*Activitymain 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">  
  
 <ListView  
 android:id="@+id/lv1"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 />  
  
</RelativeLayout>

Main activity java

package com.example.myapplication;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
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 l;  
 String [] p={"Rajendra Prasd(1884-1963)","S Radhakrishnan(1888- 1993)"};  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 l=(ListView)findViewById(R.id.*lv1*);  
 ArrayAdapter <String> adapter= new ArrayAdapter<String>(this,android.R.layout.*simple\_list\_item\_1*,p);  
 l.setAdapter(adapter);  
 l.setOnItemClickListener(new AdapterView.OnItemClickListener() {  
 @Override  
 public void onItemClick(AdapterView<?> adapterView, View view, int i, long l) {  
 *//Toast.makeText(getBaseContext(),p[i],Toast.LENGTH\_LONG).show();* if(i==0){  
 startActivity((new Intent(MainActivity.this,MainActivity2.class)  
 ));  
 }  
 else if(i==1){  
 startActivity(new Intent(MainActivity.this,MainActivity3.class));  
 }  
 }  
 });  
 }  
}

*Activitymain 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">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="match\_parent"  
 android:id="@+id/tv1"  
 android:text="Two and a half years after independence, on January 26, 1950, the Constitution of independent India was ratified and he was elected the nation's first President. Dr. Prasad transformed the imperial splendor of Rashtrapati Bhavan into an elegant “Indian” home."  
 />  
</RelativeLayout>

Main activity java

package com.example.myapplication;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
  
public class MainActivity2 extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main2*);  
 }  
}

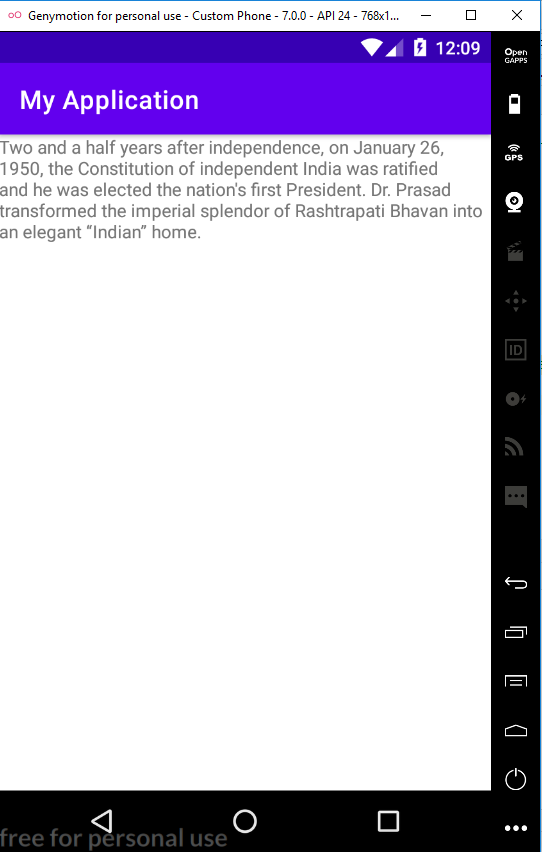
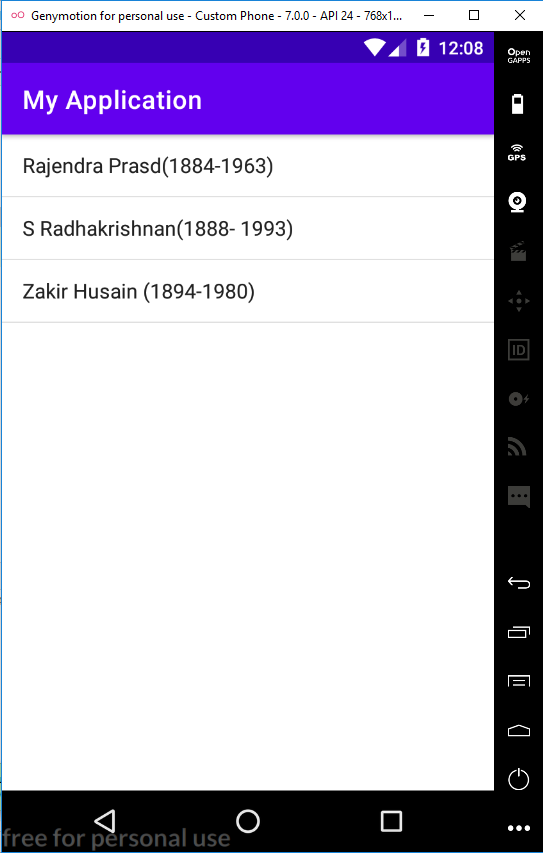
*Activitymain xml*

*<?*xml version="1.0" encoding="utf-8"*?>*<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
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 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="match\_parent"  
 android:id="@+id/tv1"  
 android:text="Dr. Sarvepalli Radhakrishnan (5 September 1888 — 17 April 1975) was an Indian philosopher. He was famous for his work on comparative religion, comparative Eastern and Western philosophy, and was also a teacher in India and at Oxford University in the United Kingdom."  
 />  
</RelativeLayout>

Main activity java

package com.example.myapplication;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
  
public class MainActivity3 extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main3*);  
 }  
}

**OUTPUT**

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