Design an android application to display a list of items on the android screen. If the user clicks any one of the list items a dialogue box should show that the user has clicked that particular item (Use array adapters).

**activity\_main.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*<LinearLayout 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/lv"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent" />  
</LinearLayout>

**MainActivity.java**

package com.example.listviewdialog;  
  
import android.app.Dialog;  
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;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
public class MainActivity extends AppCompatActivity {  
  
 String[] items = {"Education","Entertainment","Health","Provisions"};  
 ListView listView;  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 listView = (ListView) findViewById(R.id.*lv*);  
 ArrayAdapter<String> myAdapter = new ArrayAdapter<String>(MainActivity.this,  
 android.R.layout.*simple\_list\_item\_1*,items);  
 listView.setAdapter(myAdapter);  
 listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {  
 @Override  
 public void onItemClick(AdapterView<?> adapterView, View view, int position, long l) {  
 Toast.*makeText*(MainActivity.this, "selected", Toast.*LENGTH\_LONG*).show();  
 Intent intent = new Intent(MainActivity.this, MainActivity2.class);  
 intent.putExtra("details", items[position]);  
 startActivity(intent);  
  
 }  
 });  
  
 }  
}

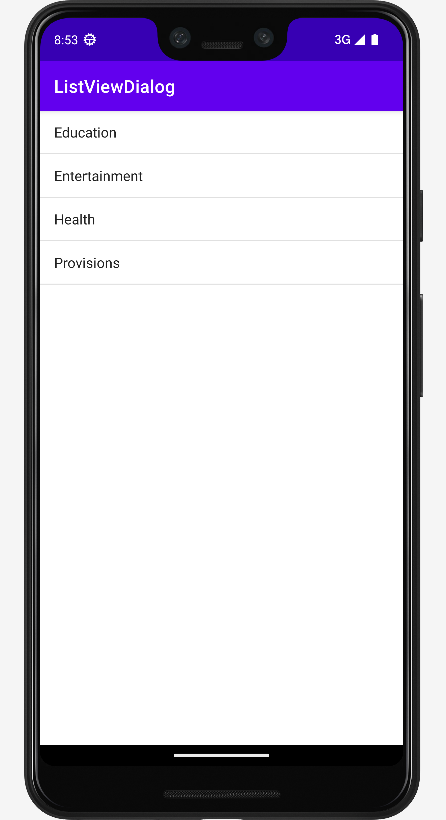
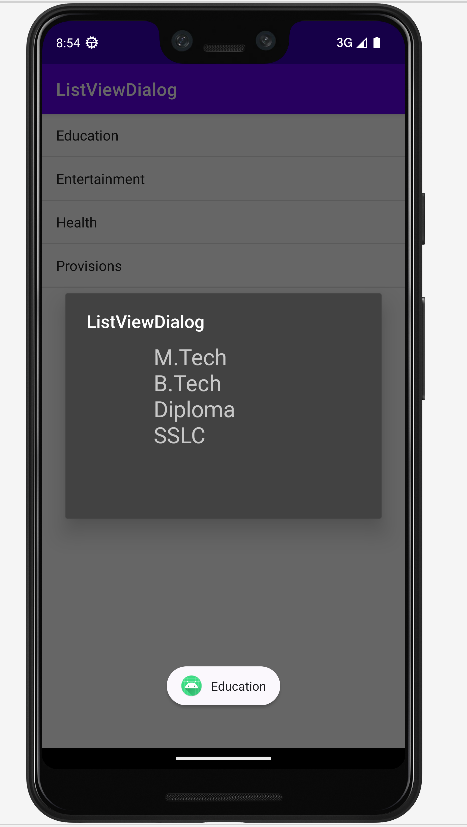
**activity\_main2.xml**

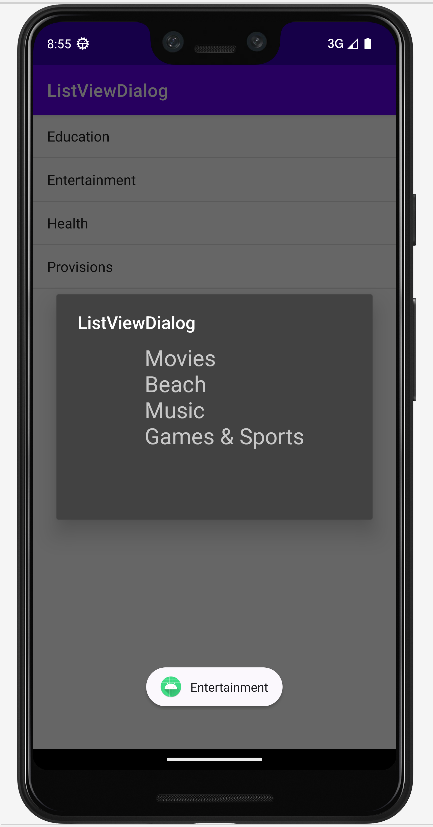
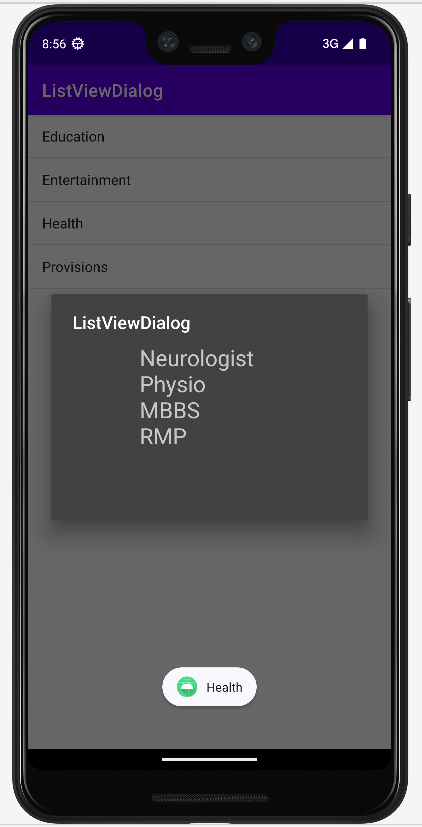
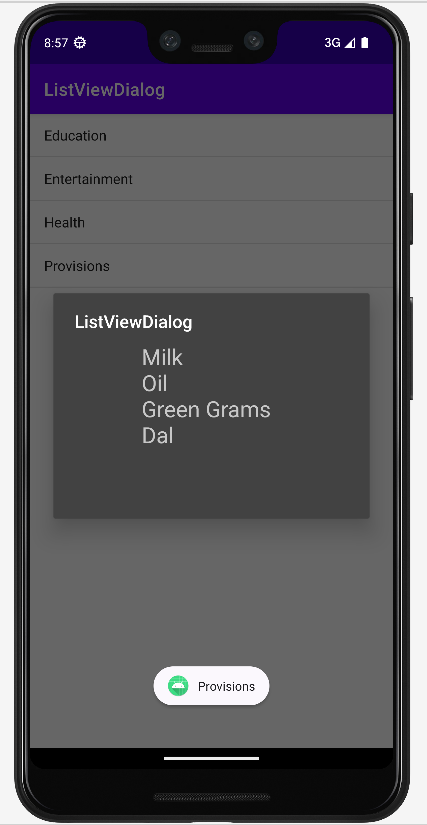
*<?*xml version="1.0" encoding="utf-8"*?>*<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity2">  
  
 <TextView  
 android:id="@+id/textView1"  
 android:layout\_width="match\_parent"  
 android:layout\_height="200dp"  
 android:textSize="25sp"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginLeft="100dp"/>  
</RelativeLayout>

**MainActivity2.java**

package com.example.listviewdialog;  
  
import android.os.Bundle;  
import android.widget.TextView;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
public class MainActivity2 extends AppCompatActivity {  
 TextView textView, textView1;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main2*);  
 Bundle bundle = getIntent().getExtras();  
 if(bundle!=null){  
 String val = bundle.getString("details");  
 if(val.equals("Education")) {  
  
 textView1 = (TextView) findViewById(R.id.*textView1*);  
 textView1.setText("M.Tech"+"\n"+  
 "B.Tech"+"\n"+  
 "Diploma"+"\n"+  
 "SSLC");  
 }  
 else if(val.equals("Entertainment")) {  
  
 textView1 = (TextView) findViewById(R.id.*textView1*);  
 textView1.setText("Movies"+"\n"+  
 "Beach"+"\n"+  
 "Music"+"\n"+  
 "Games & Sports");  
 }  
 else if(val.equals("Health")) {  
  
 textView1 = (TextView) findViewById(R.id.*textView1*);  
 textView1.setText("Neurologist"+"\n"+  
 "Physio"+"\n"+  
 "MBBS"+"\n"+  
 "RMP");  
 }  
 else if(val.equals("Provisions")) {  
  
 textView1 = (TextView) findViewById(R.id.*textView1*);  
 textView1.setText("Milk"+"\n"+  
 "Oil"+"\n"+  
 "Green Grams"+"\n"+  
 "Dal");  
 }  
 }  
 }  
}

**output:-**

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