Mobile Application Development External Lab Examination

Reg no: TKM20MCA2035

Q. Develop an application that uses ArrayAdapter with Listview

PROGRAM CODE:

Java:

package com.example.array;

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.Toast;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

ListView lv = (ListView)findViewById(R.id.*listview*);

String[] item = new String[]{"Home", "Menu", "Settings", "Share", "Help & Feedback"};

ArrayAdapter arrayAdapter = new ArrayAdapter<String>(MainActivity.this, android.R.layout.*simple\_list\_item\_1*, item);

lv.setOnItemClickListener(new AdapterView.OnItemClickListener(){

@Override

public void onItemClick(AdapterView<?> adapterView, View view, int i, long l) {

String item\_name=item[i];

Toast.*makeText*(MainActivity.this,item\_name,Toast.*LENGTH\_LONG*).show();

}

});

}

}

Xml code:

*<?*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:layout\_width="match\_parent"

android:layout\_height="match\_parent" />

<ListView

android:id="@+id/listview"

android:layout\_width="368dp"

android:layout\_height="495dp"

tools:layout\_editor\_absoluteX="8dp"

tools:layout\_editor\_absoluteY="8dp"

android:verticalScrollbarPosition="defaultPosition"/>

</RelativeLayout>

OUTPUT:



