AndroidManifest.xml

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

<**manifest xmlns:android="http://schemas.android.com/apk/res/android"**

**package="com.example.jevitha.a16\_2\_dial\_call"**>

<**application**

**android:allowBackup="true"**

**android:icon="@mipmap/ic\_launcher"**

**android:label="@string/app\_name"**

**android:roundIcon="@mipmap/ic\_launcher\_round"**

**android:supportsRtl="true"**

**android:theme="@style/AppTheme"**>

<**activity android:name=".MainActivity"**>

<**intent-filter**>

<**action android:name="android.intent.action.MAIN"** />

<**category android:name="android.intent.category.LAUNCHER"** />

</**intent-filter**>

</**activity**>

</**application**>

<**uses-permission android:name="android.permission.CALL\_PHONE"** />

</**manifest**>

Activity\_main.xml

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

<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"**

**xmlns:tools="http://schemas.android.com/tools"**

**android:id="@+id/activity\_main"**

**android:layout\_width="match\_parent"**

**android:layout\_height="match\_parent"**

**android:paddingBottom="20dp"**

**android:paddingLeft="20dp"**

**android:paddingRight="20dp"**

**android:paddingTop="20dp"**

**tools:context=".MainActivity"**>

<**TextView**

**android:layout\_width="match\_parent"**

**android:layout\_height="wrap\_content"**

**android:text="Enter Phone number:"**

**android:id="@+id/t1"** />

<**EditText**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:inputType="number"**

**android:ems="10"**

**android:id="@+id/e1"**

**android:layout\_below="@id/t1"**

**android:layout\_alignParentLeft="true"**

**android:layout\_alignParentStart="true"** />

<**Button**

**android:text="Dial"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:id="@+id/dialbutton"**

**android:layout\_below="@+id/e1"**

/>

<**Button**

**android:text="Call"**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:id="@+id/callbutton"**

**android:layout\_toRightOf="@+id/dialbutton"**

**android:layout\_below="@+id/e1"**/>

</**RelativeLayout**>

MainActivity.java

**package** com.example.jevitha.a16\_2\_dial\_call;

**import** android.Manifest;

**import** android.content.Intent;

**import** android.content.pm.PackageManager;

**import** android.net.Uri;

**import** android.support.v4.app.ActivityCompat;

**import** android.support.v4.content.ContextCompat;

**import** android.support.v7.app.AppCompatActivity;

**import** android.os.Bundle;

**import** android.view.View;

**import** android.widget.Button;

**import** android.widget.EditText;

**import** android.widget.Toast;

**public class** MainActivity **extends** AppCompatActivity **implements** View.OnClickListener {

EditText **e**;

Button **dialButton**, **callButton**;

@Override

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

**super**.onCreate(savedInstanceState);

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

**dialButton** = (Button) findViewById(R.id.***dialbutton***);

**callButton** = (Button) findViewById(R.id.***callbutton***);

**e** = (EditText) findViewById(R.id.***e1***);

**dialButton**.setOnClickListener(**this**);

**callButton**.setOnClickListener(**this**);

}

**public void** onClick(View view) {

String phonenumber;

**e** = (EditText) findViewById(R.id.***e1***);

phonenumber = **e**.getText().toString();

**if** (view.getId() == **dialButton**.getId()) {

*//Dialer*

Intent i = **new** Intent(Intent.***ACTION\_DIAL***,

Uri.*parse*(**"tel:"** + phonenumber));

startActivity(i);

}

**if** (view.getId() == **callButton**.getId()) {

Intent intent = **new** Intent(Intent.***ACTION\_CALL***);

*//Another way to pass phone no*

intent.setData(Uri.*parse*(**"tel:"** + phonenumber));

*// The below if condition will be auto suggessted if not given.*

**if** (ActivityCompat.*checkSelfPermission*(**this**, Manifest.permission.***CALL\_PHONE***)

!= PackageManager.***PERMISSION\_GRANTED***) {

*// add the following line for runtime permission request*

ActivityCompat.*requestPermissions*(**this**,

**new** String[]{Manifest.permission.***CALL\_PHONE***},

123);

**return**;

}

startActivity(intent);

}

}

}