Menifest File:

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

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

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

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

tools:ignore="PermissionImpliesUnsupportedChromeOsHardware" />

<application

android:allowBackup="true"

android:dataExtractionRules="@xml/data\_extraction\_rules"

android:fullBackupContent="@xml/backup\_rules"

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

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

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

android:supportsRtl="true"

android:theme="@style/Theme.Dialerapp"

tools:targetApi="31">

<activity

android:name=".MainActivity"

android:exported="true">

<intent-filter>

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

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

</intent-filter>

</activity>

</application>

</manifest>

XML File code:

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

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

android:orientation="vertical"

android:gravity="center"

android:padding="20dp"

android:layout\_width="match\_parent"

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

<EditText

android:id="@+id/editTextNumber"

android:hint="Enter Mobile Number"

android:inputType="phone"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"/>

<Button

android:id="@+id/btnCall"

android:text="Make Call"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="20dp"/>

</LinearLayout>

JAVA File Code:

package com.example.dialerapp;

import androidx.appcompat.app.AppCompatActivity;

import androidx.core.app.ActivityCompat;

import androidx.core.content.ContextCompat;

import android.Manifest;

import android.content.Intent;

import android.content.pm.PackageManager;

import android.net.Uri;

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 {

EditText editTextNumber;

Button btnCall;

private static final int REQUEST\_CALL = 1;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

editTextNumber = findViewById(R.id.editTextNumber);

btnCall = findViewById(R.id.btnCall);

btnCall.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

makePhoneCall();

}

});

}

private void makePhoneCall() {

String number = editTextNumber.getText().toString();

if (number.trim().length() > 0) {

if (ContextCompat.checkSelfPermission(MainActivity.this,

Manifest.permission.CALL\_PHONE) != PackageManager.PERMISSION\_GRANTED) {

ActivityCompat.requestPermissions(MainActivity.this,

new String[]{Manifest.permission.CALL\_PHONE}, REQUEST\_CALL);

} else {

String dial = "tel:" + number;

startActivity(new Intent(Intent.ACTION\_CALL, Uri.parse(dial)));

}

} else {

Toast.makeText(this, "Enter a valid phone number", Toast.LENGTH\_SHORT).show();

}

}

@Override

public void onRequestPermissionsResult(int requestCode, String[] permissions, int[] grantResults) {

if (requestCode == REQUEST\_CALL) {

if (grantResults.length > 0 && grantResults[0] == PackageManager.PERMISSION\_GRANTED) {

makePhoneCall();

} else {

Toast.makeText(this, "Permission DENIED", Toast.LENGTH\_SHORT).show();

}

}

}

}