Call app

1. Manifest 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.CallApp2"  
 tools:targetApi="31">  
 <activity  
 android:name=".MainActivity"  
 android:exported="true"  
 android:label="@string/app\_name">  
 <intent-filter>  
 <action android:name="android.intent.action.MAIN" />  
  
 <category android:name="android.intent.category.LAUNCHER" />  
 </intent-filter>  
 </activity>  
 </application>  
  
</manifest>

2)main activity

<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"  
 android:orientation="vertical"  
 android:gravity="center"  
 android:padding="16dp">  
  
 <ImageView  
 android:id="@+id/imageView2"  
 android:layout\_width="296dp"  
 android:layout\_height="90dp"  
 app:srcCompat="@drawable/baseline\_call\_24"  
 tools:srcCompat="@drawable/baseline\_call\_24" />  
  
 <EditText  
 android:id="@+id/etPhoneNumber"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Enter phone number"  
 android:inputType="phone"  
 android:minHeight="48dp" />  
  
 <Button  
 android:id="@+id/btnCall"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Call"  
 android:layout\_marginTop="20dp"/>  
  
  
  
</LinearLayout>

JAVA:

package com.example.callapp2;  
  
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;  
import androidx.annotation.NonNull;  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.core.app.ActivityCompat;  
import androidx.core.content.ContextCompat;  
  
import com.example.callapp2.R;  
  
public class MainActivity extends AppCompatActivity {  
  
 private static final int *REQUEST\_CALL\_PERMISSION* = 1;  
 private EditText etPhoneNumber;  
 private Button btnCall;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 etPhoneNumber = findViewById(R.id.*etPhoneNumber*);  
 btnCall = findViewById(R.id.*btnCall*);  
  
 btnCall.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 makePhoneCall();  
 }  
 });  
 }  
  
 private void makePhoneCall() {  
 String phoneNumber = etPhoneNumber.getText().toString().trim();  
  
 if (!phoneNumber.isEmpty()) {  
 if (ContextCompat.*checkSelfPermission*(MainActivity.this, Manifest.permission.*CALL\_PHONE*)  
 != PackageManager.*PERMISSION\_GRANTED*) {  
 ActivityCompat.*requestPermissions*(MainActivity.this,  
 new String[]{Manifest.permission.*CALL\_PHONE*}, *REQUEST\_CALL\_PERMISSION*);  
 } else {  
 String dial = "tel:" + phoneNumber;  
 startActivity(new Intent(Intent.*ACTION\_CALL*, Uri.*parse*(dial)));  
 }  
 } else {  
 Toast.*makeText*(this, "Enter a phone number", Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
  
 @Override  
 public void onRequestPermissionsResult(int requestCode, @NonNull String[] permissions, @NonNull int[] grantResults) {  
 super.onRequestPermissionsResult(requestCode, permissions, grantResults);  
 if (requestCode == *REQUEST\_CALL\_PERMISSION*) {  
 if (grantResults.length > 0 && grantResults[0] == PackageManager.*PERMISSION\_GRANTED*) {  
 makePhoneCall();  
 } else {  
 Toast.*makeText*(this, "Permission DENIED", Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
 }  
}