

## PhoneCall

### AndroidManifest.xml

```
<?xml version="1.0" encoding="utf-8"?>
<manifest
xmlns:android="http://schemas.android.com/apk/res/android"
xmlns:tools="http://schemas.android.com/tools"
package="com.example.callingapp">

    <uses-permission
android:name="android.permission.CALL_PHONE"/>

    <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:supportRtl="true"
        android:theme="@style/Theme.CallingApp"
        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>
```

### strings.xml

```
<resources>
    <string name="app_name">CallingApp</string>
</resources>
```

### MainActivity.java

```
package com.example.callingapp;

import androidx.appcompat.app.AppCompatActivity;
import androidx.core.app.ActivityCompat;

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 {
    Button btn;
    EditText numTxt;
    String sNum;

    @Override
    protected void onCreate(Bundle savedInstanceState)
    {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        btn= (Button) findViewById(R.id.idbtnCall);
        numTxt= (EditText) findViewById(R.id.idNumtxt);
    }

    public void onClick(View v){
        Intent i = new Intent(Intent.ACTION_CALL);
```

## PhoneCall

### activity\_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    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:background="#CC64DD"
    tools:context=".MainActivity">

    <EditText
        android:id="@+id/idNumtxt"
        android:layout_width="331dp"
        android:layout_height="57dp"
        android:layout_centerHorizontal="true"
        android:hint="Enter Your Phone No."
        android:textSize="25sp"

    app:layout_constraintBottom_toTopOf="@+id/idbtnCall"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.939" />

    <Button
        android:id="@+id/idbtnCall"
        android:layout_width="331dp"
        android:layout_height="57dp"
        android:layout_gravity="center"
        android:onClick="onClick"
        android:text="CALL"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.617"
        tools:ignore="OnClick" />
```

```
sNum= numTxt.getText().toString();
if(sNum.trim().isEmpty()) {
    Toast.makeText(this, "Please Enter The
Number!", Toast.LENGTH_SHORT).show();
}
else {
    i.setData(Uri.parse("tel:"+sNum));
}
if(ActivityCompat.checkSelfPermission(this ,
Manifest.permission.CALL_PHONE)!=
PackageManager.PERMISSION_GRANTED){
    Toast.makeText(this, "Please grant the
permission to call", Toast.LENGTH_SHORT).show();
    requestPermission();
}
else{
    startActivity(i);
}
private void requestPermission(){
    ActivityCompat.requestPermissions(this, new
String[]{Manifest.permission.CALL_PHONE},1);
}
}
```

### themes.xml

```
<resources
    xmlns:tools="http://schemas.android.com/tools">
    <!-- Base application theme. -->
    <style name="Theme.CallingApp"
        parent="Theme.MaterialComponents.DayNight.DarkActionBar"
        >
        <!-- Primary brand color. -->
        <item
            name="colorPrimary">@color/purple_500</item>
        <item
```

## PhoneCall

```
<ImageView
    android:id="@+id/imageView"
    android:layout_width="212dp"
    android:layout_height="238dp"

    app:layout_constraintBottom_toTopOf="@+id/idNumtxt"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"

    app:srcCompat="@android:drawable/stat_sys_phone_call" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

```
name="colorPrimaryVariant">@color/purple_700</item>
    <item name="colorOnPrimary">@color/white</item>
    <!-- Secondary brand color. -->
    <item
name="colorSecondary">@color/teal_200</item>
    <item
name="colorSecondaryVariant">@color/teal_700</item>
    <item
name="colorOnSecondary">@color/black</item>
    <!-- Status bar color. -->
    <item name="android:statusBarColor"
tools:targetApi="l">?attr/colorPrimaryVariant</item>
    <!-- Customize your theme here. -->
    </style>
</resources>
```

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### Output

