Activity\_main.xml

*<?***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"**>

<**TextView**

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

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

**android:text="Hello World!"**/>

<**EditText**

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

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

**android:id="@+id/no"**

**android:hint="Enter phone no"**

**android:layout\_marginTop="50dp"**/>

<**EditText**

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

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

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

**android:hint="Enter the SMS text"**

**android:layout\_marginTop="100dp"**/>

<**Button**

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

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

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

**android:text="SMS"**

**android:layout\_marginTop="150dp"**/>

</**RelativeLayout**>

MainActivity.java

**package** com.example.a22\_implicitintent\_sms;

**import** androidx.appcompat.app.AppCompatActivity;

**import** androidx.core.app.ActivityCompat;

**import** androidx.core.content.ContextCompat;

**import** android.Manifest;

**import** android.app.PendingIntent;

**import** android.content.Intent;

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

**import** android.os.Bundle;

**import** android.telephony.SmsManager;

**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 **mobileno**,**message**;

Button **sendsms**;

@Override

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

**super**.onCreate(savedInstanceState);

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

*//this.setRequestedOrientation(ActivityInfo.SCREEN\_ORIENTATION\_LANDSCAPE);*

**mobileno**=findViewById(R.id.***no***);

**message**=findViewById(R.id.***msg***);

**sendsms**=findViewById(R.id.***sms***);

**sendsms**.setOnClickListener(**this**);

}

@Override

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

String no=**mobileno**.getText().toString();

String msg=**message**.getText().toString();

*//Getting intent and PendingIntent instance*

Intent intent=**new** Intent(getApplicationContext(),MainActivity.**class**);

PendingIntent pi=PendingIntent.*getActivity*(getApplicationContext(), 0, intent,0);

*//Get the SmsManager instance and call the sendTextMessage method to send message*

SmsManager sms=SmsManager.*getDefault*();

**if** (ContextCompat.*checkSelfPermission*(**this**,

Manifest.permission.***SEND\_SMS***)

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

*// if (ActivityCompat.shouldShowRequestPermissionRationale(this,*

*// Manifest.permission.SEND\_SMS)) {*

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

**new** String[]{Manifest.permission.***SEND\_SMS***},

111);

} **else** {

*// Permission already granted*

*// }*

}

sms.sendTextMessage(no, **null**, msg, pi,**null**);

Toast.*makeText*(getApplicationContext(), **"Message Sent successfully!"**,

Toast.***LENGTH\_LONG***).show();

}

}

AndroidManifest.xml

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

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

**package="com.example.a22\_implicitintent\_sms"**>

<**uses-permission android:name="android.permission.SEND\_SMS"** />

<**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**>

</**manifest**>