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**Class:** Final Year B. Tech CSE **Batch:** B2

**Title: Write a program to use of Intent for SMS and Telephony.**

**activity\_main.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:orientation="vertical" android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent">  
 <TextView  
 android:id="@+id/fstTxt"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="100dp"  
 android:layout\_marginTop="150dp"  
 android:text="Mobile No" />  
 <EditText  
 android:id="@+id/mblTxt"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="100dp"  
 android:ems="10"/>  
  
 <TextView  
 android:id="@+id/secTxt"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Message"  
 android:layout\_marginLeft="100dp" />  
 <EditText  
 android:id="@+id/msgTxt"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="100dp"  
 android:ems="10" />  
 <Button  
 android:id="@+id/btnSend"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="100dp"  
 android:text="Send SMS" />  
</LinearLayout>

**MainActivity.java**

package com.example.smsusingintent;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.net.Uri;  
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 {  
  
 private EditText txtMobile;  
 private EditText txtMessage;  
 private Button btnSms;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 txtMobile = (EditText)findViewById(R.id.*mblTxt*);  
 txtMessage = (EditText)findViewById(R.id.*msgTxt*);  
 btnSms = (Button)findViewById(R.id.*btnSend*);  
 btnSms.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 try{  
 Intent i = new Intent(Intent.*ACTION\_VIEW*);  
 i.setData(Uri.*parse*("smsto:"));  
 i.setType("vnd.android-dir/mms-sms");  
 i.putExtra("address", new String(txtMobile.getText().toString()));  
 i.putExtra("sms\_body",txtMessage.getText().toString());  
 startActivity(Intent.*createChooser*(i, "Send sms via:"));  
 }  
 catch(Exception e){  
 Toast.*makeText*(MainActivity.this, "SMS Failed to Send, Please try again", Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
 });  
 }  
}

**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">  
 <uses-permission android:name="android.permission.SEND\_SMS"/>  
 <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:supportsRtl="true"  
 android:theme="@style/Theme.SmsUsingIntent"  
 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>

**Output:**

