LabSix

**AndroidManifest.xml**

<uses-feature

android:name="android.hardware.telephony"

android:required="false" />

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

**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"

tools:context=".MainActivity">

<EditText

android:id="@+id/EMessage"

android:layout\_width="316dp"

android:layout\_height="65dp"

android:layout\_marginTop="76dp"

android:ems="10"

android:hint="Enter the Message"

android:inputType="textPersonName"

android:paddingLeft="10dp"

android:textColorHint="#234567"

android:textSize="25dp"

app:layout\_constraintBottom\_toTopOf="@+id/Send"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.589"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/Contact"

app:layout\_constraintVertical\_bias="0.0" />

<EditText

android:id="@+id/Contact"

android:layout\_width="311dp"

android:layout\_height="65dp"

android:ems="10"

android:hint="Enter the Contact"

android:inputType="textPersonName"

android:paddingLeft="10dp"

android:textColorHint="#123654"

android:textSize="25dp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.56"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.255" />

<TextView

android:id="@+id/Title"

android:layout\_width="match\_parent"

android:textAlignment="center"

android:layout\_height="wrap\_content"

android:layout\_marginTop="65dp"

android:layout\_marginBottom="91dp"

android:fontFamily="sans-serif-condensed-medium"

android:text="SMS SENDER"

android:textColor="#123465"

android:textSize="45dp"

android:textStyle="bold"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.261"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="1.0" />

<Button

android:id="@+id/Send"

android:layout\_width="match\_parent"

android:layout\_height="60dp"

android:layout\_margin="45dp"

android:text="Send Message"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.573"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.739" />

</androidx.constraintlayout.widget.ConstraintLayout>

**MainActitvity.java**

package com.mad.labsix;

import android.Manifest;

import androidx.annotation.Nullable;

import androidx.appcompat.app.AppCompatActivity;

import androidx.core.app.ActivityCompat;

import androidx.core.content.ContextCompat;

import android.content.Intent;

import android.content.pm.PackageManager;

import android.database.Cursor;

import android.net.Uri;

import android.os.Bundle;

import android.provider.ContactsContract;

import android.telephony.SmsManager;

import android.util.Log;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

EditText Contact ,Emessage;

Button send;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

send = findViewById(R.id.Send);

Contact=findViewById(R.id.Contact);

Emessage=findViewById(R.id.EMessage);

Contact.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

Intent i = new Intent(Intent.ACTION\_GET\_CONTENT);

i.setType(ContactsContract.CommonDataKinds.Phone.CONTENT\_ITEM\_TYPE);

// this is to Enable the intent to Access the Contacts present in the Android Contact

// and send the Contact details to app

startActivityForResult(i,1);

}

});

send.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

try {

SmsManager smg = SmsManager.getDefault();

//This is used get the smsManager from the android Device

getSMSPersmission();

smg.sendTextMessage(Contact.getText().toString(), null, Emessage.getText().toString(), null, null);

//This is line will use smsManager to send mail from the app.

Toast.makeText(MainActivity.this, "Message Send", Toast.LENGTH\_LONG).show();

}catch (Exception e)

{ Log.e("Message",e.toString());

Toast.makeText(MainActivity.this, e.toString(), Toast.LENGTH\_LONG).show();

}

}

});

}

private void getSMSPersmission(){

if(!hasSendPersmission()){

ActivityCompat.requestPermissions(MainActivity.this,new String[]{Manifest.permission.SEND\_SMS},1);

}

}

private boolean hasSendPersmission(){

return ContextCompat.checkSelfPermission(this,Manifest.permission.SEND\_SMS)== PackageManager.PERMISSION\_GRANTED;

}

@Override

protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {

super.onActivityResult(requestCode, resultCode, data);

if(requestCode==1)

{

if(resultCode==RESULT\_OK)

{

try{

Uri contactData = data.getData();

//Accessing the data which is send by the intent Activity

Cursor cursor = managedQuery(contactData, null, null, null, null);

//Use to traversal the data which is got from activity

cursor.moveToFirst();

//Accessing the First Data in Got data

String number="Contact Numbere";

int xz=cursor.getColumnIndex("data1");

//Getting the Index where Phone Number Exists

number=cursor.getString(xz);

//Getting the phone number from the Contact Data;

Contact.setText(number);

}

catch (Exception e )

{

Contact.setText(e.toString());

}

}

}

}

}