*<?*xml version="1.0" encoding="utf-8"*?>*<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"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Dailer"  
 android:textSize="30dp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content">  
  
 <EditText  
 android:layout\_width="200dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginRight="10dp"  
 android:id="@+id/txt\_display"  
 />  
  
 <Button  
 android:layout\_width="80dp"  
 android:layout\_height="50dp"  
 android:layout\_marginTop="20dp"  
 android:id="@+id/btn\_del"  
 android:text="del" />  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginRight="30dp"  
 android:gravity="fill\_horizontal">  
  
 <Button  
 android:layout\_width="63dp"  
 android:layout\_height="60dp"  
 android:layout\_marginRight="20dp"  
 android:id="@+id/btn\_one"  
 android:text="1" />  
  
 <Button  
 android:layout\_width="63dp"  
 android:layout\_height="60dp"  
 android:layout\_marginRight="20dp"  
 android:id="@+id/btn\_two"  
 android:text="2" />  
  
 <Button  
 android:layout\_width="63dp"  
 android:layout\_height="60dp"  
 android:id="@+id/btn\_three"  
 android:text="3" />  
  
 </LinearLayout>  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginRight="30dp"  
 android:gravity="fill\_horizontal">  
  
 <Button  
 android:layout\_width="63dp"  
 android:layout\_height="60dp"  
 android:layout\_marginRight="20dp"  
 android:id="@+id/btn\_four"  
 android:text="4" />  
  
 <Button  
 android:layout\_width="63dp"  
 android:layout\_height="60dp"  
 android:layout\_marginRight="20dp"  
 android:id="@+id/btn\_five"  
 android:text="5" />  
  
 <Button  
 android:layout\_width="63dp"  
 android:layout\_height="60dp"  
 android:text="6"  
 android:id="@+id/btn\_six"/>  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginRight="30dp"  
 android:gravity="fill\_horizontal">  
  
 <Button  
 android:layout\_width="63dp"  
 android:layout\_height="60dp"  
 android:layout\_marginRight="20dp"  
 android:id="@+id/btn\_seven"  
 android:text="7" />  
  
 <Button  
 android:layout\_width="63dp"  
 android:layout\_height="60dp"  
 android:layout\_marginRight="20dp"  
 android:id="@+id/btn\_eight"  
 android:text="8" />  
  
 <Button  
 android:layout\_width="63dp"  
 android:layout\_height="60dp"  
 android:id="@+id/btn\_nine"  
 android:text="9" />  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginRight="30dp"  
 android:gravity="fill\_horizontal">  
  
 <Button  
 android:layout\_width="63dp"  
 android:layout\_height="60dp"  
 android:layout\_marginRight="20dp"  
 android:id="@+id/btn\_star"  
 android:text="\*" />  
  
 <Button  
 android:layout\_width="63dp"  
 android:layout\_height="60dp"  
 android:layout\_marginRight="20dp"  
 android:id="@+id/btn\_zero"  
 android:text="0" />  
  
 <Button  
 android:layout\_width="63dp"  
 android:layout\_height="60dp"  
 android:id="@+id/btn\_ash"  
 android:text="#" />  
  
 </LinearLayout>  
  
  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginRight="30dp"  
 android:gravity="fill\_horizontal">  
  
 <Button  
 android:layout\_width="80dp"  
 android:layout\_height="60dp"  
 android:layout\_marginRight="20dp"  
 android:id="@+id/btn\_call"  
 android:text="Call" />  
  
 <Button  
 android:layout\_width="80dp"  
 android:layout\_height="60dp"  
 android:layout\_marginRight="20dp"  
 android:id="@+id/btn\_save"  
 android:text="Save" />  
  
  
 </LinearLayout>  
  
  
</LinearLayout>

package com.example.callerapp;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.annotation.SuppressLint;  
import android.net.Uri;  
import android.os.Bundle;  
import android.provider.ContactsContract;  
import android.app.Activity;  
import android.content.Intent;  
import android.view.Menu;  
import android.view.View;  
import android.view.View.OnClickListener;  
import android.widget.Button;  
import  
 android.widget.EditText;  
public class MainActivity extends Activity implements OnClickListener {  
 EditText txtNumber;  
 Button  
 btnOne, btnTwo, btnThree, btnFour, btnFive, btnSix, btnSeven, btnEight, btnNine, btnZero, btnCall,  
 btnSave, btnDel, btnStar, btnHash;  
  
 @SuppressLint("MissingInflatedId")  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_main);  
 txtNumber = (EditText) findViewById(R.id.txt\_display);  
 btnOne = (Button) findViewById(R.id.btn\_one);  
 btnOne.setOnClickListener(this);  
 btnTwo = (Button) findViewById(R.id.btn\_two);  
 btnTwo.setOnClickListener(this);  
 btnThree = (Button) findViewById(R.id.*btn\_three*);  
 btnThree.setOnClickListener(this);  
 btnFour = (Button) findViewById(R.id.*btn\_four*);  
 btnFour.setOnClickListener(this);  
 btnFive = (Button) findViewById(R.id.*btn\_five*);  
 btnFive.setOnClickListener(this);  
 btnSix = (Button) findViewById(R.id.*btn\_six*);  
 btnSix.setOnClickListener(this);  
 btnSeven = (Button) findViewById(R.id.*btn\_seven*);  
 btnSeven.setOnClickListener(this);  
 btnEight = (Button) findViewById(R.id.*btn\_eight*);  
 btnEight.setOnClickListener(this);  
 btnNine = (Button) findViewById(R.id.*btn\_nine*);  
 btnNine.setOnClickListener(this);  
 btnZero = (Button) findViewById(R.id.*btn\_zero*);  
 btnZero.setOnClickListener(this);  
 btnSave = (Button) findViewById(R.id.*btn\_save*);  
 btnSave.setOnClickListener(this);  
 btnCall = (Button) findViewById(R.id.*btn\_call*);  
 btnCall.setOnClickListener(this);  
 btnStar = (Button) findViewById(R.id.*btn\_star*);  
 btnStar.setOnClickListener(this);  
 btnHash = (Button) findViewById(R.id.*btn\_ash*);  
 btnHash.setOnClickListener(this);  
 btnDel = (Button) findViewById(R.id.btn\_del);  
 btnDel.setOnClickListener(this);  
 }  
  
 @Override  
 public boolean onCreateOptionsMenu(Menu menu) {  
*// Inflate the menu; this adds items to the action bar if it is present.* getMenuInflater().inflate(R.menu.main, menu);  
 return true;  
 }  
  
 @Override  
 public void onClick(View v) {  
*// TODO Auto-generated method stub* if (v.equals(btnOne)) {  
 txtNumber.append("1");  
 } else if (v.equals(btnTwo)) {  
 txtNumber.append("2");  
 } else if (v.equals(btnThree)) {  
 txtNumber.append("3");  
 } else if (v.equals(btnFour)) {  
 txtNumber.append("4");  
 } else if (v.equals(btnFive)) {  
 txtNumber.append("5");  
 } else if (v.equals(btnSix)) {  
 txtNumber.append("6");  
 } else if (v.equals(btnSeven)) {  
 txtNumber.append("7");  
 } else if (v.equals(btnEight)) {  
 txtNumber.append("8");  
 } else if (v.equals(btnNine)) {  
 txtNumber.append("9");  
 } else if (v.equals(btnZero)) {  
 txtNumber.append("0");  
 } else if (v.equals(btnStar)) {  
 txtNumber.append("\*");  
 } else if (v.equals(btnHash)) {  
 txtNumber.append("#");  
 } else if (v.equals(btnDel)) {  
 String  
 num = txtNumber.getText().toString();  
 if (num.length() > 0) {  
 num = num.substring(0, num.length() - 1);  
 }  
 txtNumber.setText(num);  
 } else if (v.equals(btnCall)) {  
 String num = txtNumber.getText().toString();  
 Intent it = new Intent(Intent.ACTION\_CALL);  
 it.setData(Uri.parse("tel:" + num));  
 startActivity(it);  
 } else if (v.equals(btnSave)) {  
 String num = txtNumber.getText().toString();  
 Intent  
 intent = new Intent(Intent.ACTION\_INSERT,  
 ContactsContract.Contacts.CONTENT\_URI);  
 intent.putExtra(ContactsContract.Intents.Insert.PHONE, num);  
 startActivity(intent);  
 }  
 }  
  
}

Manifest.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.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:supportsRtl="true"  
 android:theme="@style/Theme.CallerApp"  
 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>  
  
 <meta-data  
 android:name="android.app.lib\_name"  
 android:value="" />  
 </activity>  
 </application>  
  
</manifest>

