8 Create an activity like a phone dialer with CALL and SAVE buttons. On pressing the CALL button, it must call the phone number and on pressing the SAVE button it must save the number to the phone contacts.

XML Part- activity main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/andr
oid"
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:layout marginTop="150dp"
tools:context=".MainActivity">
<TextView
android:layout width="match parent"
android:layout height="wrap content"
android:text="CALL and SAVE APPLICATION"
android:textSize="30sp"
android:textAlignment="center"
android:textColor="@color/design default color primary
dark"
/>
<LinearLayout
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:orientation="horizontal">
<EditText
android:layout_width="300dp"
android:layout height="wrap content"
android:id="@+id/num"
android:hint="Enter Number To Dial/SAVE"
android:textAlignment="center"
android:textSize="20sp"
android:textColor="@color/design_default_color_error"/>
<Button
android:layout_width="100dp"
android:layout_height="wrap_content"
android:id="@+id/del"
android:text="DEL"
android:textAlignment="center"
android:onClick="delete"/>
</LinearLayout>
<LinearLayout
android:layout width="wrap content"
android:layout height="wrap content"
android:layout_gravity="center"
android:orientation="horizontal">
<Button
```

```
android:id="@+id/three"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:onClick="three"
android:text="3" />
<Button
android:id="@+id/one"
android:layout_width="wrap_content"
android:layout height="wrap content"
android:onClick="one"
android:text="1" />
<Button
android:id="@+id/two"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:onClick="two"
android:text="2" />
</LinearLayout>
<LinearLayout
android:layout_width="wrap_content"
android:layout height="wrap content"
android:orientation="horizontal"
android:layout_gravity="center">
<Button
android:layout width="wrap content"
android:layout_height="wrap_content"
android:id="@+id/four"
android:text="4"
android:onClick="four"/>
<Button
android:layout width="wrap content"
android:layout_height="wrap_content"
android:id="@+id/five"
android:text="5"
android:onClick="five"/>
<Button
android:layout width="wrap content"
android:layout_height="wrap_content"
android:id="@+id/six"
android:text="6"
android:onClick="six"/>
</LinearLayout>
<LinearLayout
android:layout_width="wrap_content"
android:layout height="wrap content"
android:orientation="horizontal"
android:layout_gravity="center">
<Button
android:layout width="wrap content"
android:layout_height="wrap_content"
android:id="@+id/seven"
android:text="7"
android:onClick="seven"/>
<Button
android:layout_width="wrap_content"
android:layout_height="wrap_content"
```

```
android:id="@+id/eight"
android:text="8"
                                                                package com.example.l8;
android:onClick="eight"/>
                                                                import androidx.appcompat.app.AppCompatActivity;
<Button
                                                                import android.content.Intent;
android:layout_width="wrap_content"
                                                                import android.net.Uri;
android:layout height="wrap content"
                                                                import android.os.Bundle;
android:id="@+id/nine"
                                                                import android.os.VibrationEffect;
android:text="9"
                                                                import android.provider.ContactsContract;
android:onClick="nine"/>
                                                                import android.view.View;
</LinearLayout>
                                                                import android.widget.EditText;
<LinearLayout
                                                                public class MainActivity extends AppCompatActivity {
android:layout width="wrap content"
                                                                EditText number;
android:layout height="wrap content"
                                                                @Override
android:orientation="horizontal"
                                                                protected void onCreate(Bundle savedInstanceState) {
android:layout_gravity="center">
                                                                super.onCreate(savedInstanceState);
                                                                setContentView(R.layout.activity_main);
android:layout_width="wrap_content"
                                                                number=findViewById(R.id.num);
android:layout_height="wrap_content"
                                                                }
android:id="@+id/star"
                                                                public void one(View v)
android:text="*"
android:onClick="star"/>
                                                                number.append("1");
<Button
android:layout_width="wrap_content"
                                                                public void two(View v)
android:layout_height="wrap_content"
android:id="@+id/zero"
                                                                number.append("2");
android:text="0"
android:onClick="zero"/>
                                                                public void three(View v)
<Button
android:layout_width="wrap_content"
                                                                number.append("3");
android:layout_height="wrap_content"
android:id="@+id/hash"
                                                                public void four(View v)
android:text="#"
android:onClick="hash"/>
                                                                number.append("4");
</LinearLayout>
<LinearLayout
                                                                public void five(View v)
android:layout_width="wrap_content"
android:layout height="wrap content"
                                                                number.append("5");
android:orientation="horizontal"
android:layout gravity="center">
                                                                public void six(View v)
<Button
android:layout_width="wrap_content"
                                                                number.append("6");
android:layout_height="wrap_content"
android:id="@+id/call"
                                                                public void seven(View v)
android:text="CALL"
android:onClick="call"/>
                                                                number.append("7");
<Button
android:layout_width="wrap_content"
                                                                public void eight(View v)
android:layout_height="wrap_content"
android:id="@+id/save"
                                                                number.append("8");
android:text="SAVE"
android:onClick="save"/>
                                                                public void nine(View v)
</LinearLayout>
</LinearLayout>
                                                                number.append("9");
```

public void zero(View v)

```
number.append("0");
public void star(View v)
number.append("*");
public void hash(View v)
number.append("#");
public void delete(View v)
String n=number.getText().toString();
n=n.substring(0,n.length()-1);
number.setText(n);
}
public void call(View v)
String num=number.getText().toString();
Intent i = new Intent(Intent.ACTION_DIAL,
Uri.parse("tel:"+num));
//Intent i =new
Intent(Intent.ACTION_VIEW,Uri.parse(num));
startActivity(i);
}
public void save(View v)
String num=number.getText().toString();
Intent i =new Intent(Intent.ACTION_INSERT,
ContactsContract.Contacts.CONTENT_URI);
i.putExtra(ContactsContract.Intents.Insert.PHONE,num);
startActivity(i);
}
}
```