LAB 8: XML CODES

```
<?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"
    tools:context=".MainActivity">
    <TextView
        android:id="@+id/textView"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:text="CALL AND SAVE APPLICATION"
        android:textSize="25dp"
        android:textAlignment="center"
        android:textStyle="bold"
        android:textColor="@color/black"/>
    <LinearLayout
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:orientation="horizontal"
        android:layout gravity="center">
        <EditText
            android:id="@+id/edtNumber"
            android:layout width="wrap content"
            android:layout height="wrap content"
            android:ems="10"
            android:hint="Enter a no to call or save"
            android:inputType="textPersonName" />
        <Button
            android:id="@+id/delete"
            android:layout width="wrap content"
            android:layout height="wrap content"
            android:onClick="delete"
            android:text="DEL" />
    </LinearLayout>
    <LinearLayout
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:layout gravity="center"
        android:orientation="horizontal">
```

```
<Button
        android:id="@+id/btnOne"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:text="1"
        android:onClick="one"/>
    <Button
        android:id="@+id/btnTwo"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:text="2"
        android:onClick="two"/>
    <Button
        android:id="@+id/btnThree"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:text="3"
        android:onClick="three"/>
</LinearLayout>
<LinearLayout
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:layout gravity="center"
    android:orientation="horizontal">
   <Button
        android:id="@+id/btnFour"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:text="4"
        android:onClick="four"/>
    <Button
        android:id="@+id/btnFive"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:text="5"
        android:onClick="five"/>
    <Button
        android:id="@+id/btnSix"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:text="6"
        android:onClick="six"/>
</LinearLayout>
<LinearLayout
    android:layout width="wrap content"
```

```
android:layout height="wrap content"
    android:layout gravity="center"
    android:orientation="horizontal">
    <Button
        android:id="@+id/btnSeven"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:text="7"
        android:onClick="seven"/>
    <Button
        android:id="@+id/btnEight"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:text="8"
        android:onClick="eight"/>
    <Button
        android:id="@+id/btnNine"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:text="9"
        android:onClick="nine"/>
</LinearLayout>
<LinearLayout
    android:layout width="wrap content"
   android:layout height="wrap content"
    android:layout gravity="center"
    android:orientation="horizontal">
    <Button
        android:id="@+id/btnStar"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:text="*"
        android:onClick="star"/>
    <Button
        android:id="@+id/btnZero"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:text="0"
        android:onClick="zero"/>
    <Button
        android:id="@+id/btnHash"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:text="#"
        android:onClick="hash"/>
</LinearLayout>
```

```
<LinearLayout
       android:layout width="wrap content"
       android:layout height="wrap content"
       android:layout gravity="center"
       android:orientation="horizontal">
       <Button
           android:id="@+id/btnCall"
           android:layout width="wrap content"
           android:layout height="wrap content"
           android:text="CALL"
           android:onClick="call"/>
       <Button
           android:id="@+id/btnSave"
           android:layout width="wrap content"
           android:layout height="wrap content"
           android:text="SAVE"
           android:onClick="save"/>
   </LinearLayout>
</LinearLayout>
package com.example.18;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.provider.ContactsContract;
import android.view.View;
import android.widget.EditText;
public class MainActivity extends AppCompatActivity {
EditText num;
   @Override
   protected void onCreate(Bundle savedInstanceState) {
       super.onCreate(savedInstanceState);
       setContentView(R.layout.activity main);
       num = findViewById(R.id.edtNumber);
   }
   public void delete(View view) {
       String mynum = num.getText().toString();
        mynum = mynum.substring(0, mynum.length()-1);
        num.setText(mynum);
```

```
}
public void one(View view) {
   num.append("1");
}
public void two(View view) {
    num.append("2");
public void three(View view) {
   num.append("3");
}
public void four(View view) {
   num.append("4");
}
public void five(View view) {
   num.append("5");
}
public void six(View view) {
   num.append("6");
}
public void seven(View view) {
   num.append("7");
}
public void eight(View view) {
   num.append("8");
}
public void nine(View view) {
    num.append("9");
}
public void star(View view) {
   num.append("*");
}
public void zero(View view) {
   num.append("0");
}
public void hash(View view) {
   num.append("#");
}
```

```
public void call(View view) {
       String mynum = num.getText().toString();
//First read the number using getText
       Intent it = new Intent(Intent.ACTION DIAL,
Uri.parse("tel:"+mynum)); //Use Intent and Parse the num using
Uri.parse() method
       startActivity(it);//Start the activity
   public void save(View view) {
       String mynum = num.getText().toString();
         Intent it = new Intent(Intent.ACTION INSERT,
ContactsContract.Contacts.CONTENT URI); //Do a study on this
first, starts the action to Insert
       it.putExtra(ContactsContract.Intents.Insert.PHONE, mynum);
//Sounds like SQL & Plain English statements: INSERTS the Data
       startActivity(it);//Finally start the intent
   }
}
```