Activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"</p>
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">
<TextView
      android:layout width="298dp"
      android:layout_height="wrap_content"
      android:layout alignParentEnd="true"
      android:layout alignParentBottom="true"
      android:layout_marginEnd="54dp"
      android:layout marginBottom="575dp"
      android:text="Call Application"
      android:textSize="36dp"
      app:layout_constraintBottom_toBottomOf="parent"
      app:layout constraintLeft toLeftOf="parent"
      app:layout_constraintRight_toRightOf="parent"
      app:layout_constraintTop_toTopOf="parent" />
<EditText
      android:id="@+id/phoneNumberEditText"
      android:layout width="wrap content"
      android:layout_height="wrap_content"
      android:layout alignParentEnd="true"
      android:layout alignParentBottom="true"
      android:layout marginEnd="176dp"
      android:layout marginBottom="462dp"
      android:ems="10"
      android:inputType="phone" />
<Button
      android:id="@+id/clearBtn"
      android:layout width="wrap content"
      android:layout_height="wrap_content"
      android:layout_alignParentEnd="true"
      android:layout_alignParentBottom="true"
      android:layout_marginEnd="52dp"
      android:layout marginBottom="459dp"
      android:text="Clear" />
<Button
      android:id="@+id/button2"
      android:layout width="76dp"
      android:layout height="wrap content"
      android:layout alignParentEnd="true"
      android:layout_alignParentBottom="true"
      android:layout marginEnd="311dp"
      android:onClick="inputNumber"
```

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android:layout_marginBottom="341dp"
      android:text="1" />
<Button
      android:id="@+id/button3"
      android:layout_width="76dp"
      android:layout height="wrap content"
      android:layout alignParentEnd="true"
      android:onClick="inputNumber"
      android:layout alignParentBottom="true"
      android:layout marginEnd="170dp"
      android:layout marginBottom="341dp"
      android:text="2" />
<Button
      android:id="@+id/button4"
      android:layout width="76dp"
      android:layout height="wrap content"
      android:layout_alignParentEnd="true"
      android:layout_alignParentBottom="true"
      android:layout_marginEnd="32dp"
      android:onClick="inputNumber"
      android:layout_marginBottom="343dp"
      android:text="3" />
<Button
      android:id="@+id/button5"
      android:layout width="76dp"
      android:layout_height="wrap_content"
      android:layout alignParentEnd="true"
      android:onClick="inputNumber"
      android:layout alignParentBottom="true"
      android:layout marginEnd="311dp"
      android:layout marginBottom="241dp"
      android:text="4" />
<Button
      android:id="@+id/button6"
      android:layout width="76dp"
      android:layout_height="wrap_content"
      android:layout_alignParentEnd="true"
      android:layout_alignParentBottom="true"
      android:layout_marginEnd="175dp"
      android:onClick="inputNumber"
      android:layout marginBottom="239dp"
      android:text="5" />
<Button
      android:id="@+id/button7"
      android:layout width="76dp"
      android:layout height="wrap content"
      android:layout_alignParentEnd="true"
      android:layout alignParentBottom="true"
      android:layout_marginEnd="32dp"
```

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android:onClick="inputNumber"
      android:layout marginBottom="239dp"
      android:text="6" />
<Button
      android:id="@+id/button8"
      android:layout width="76dp"
      android:layout height="wrap content"
      android:layout_alignParentEnd="true"
      android:layout alignParentBottom="true"
      android:layout marginEnd="313dp"
      android:onClick="inputNumber"
      android:layout marginBottom="142dp"
      android:text="7" />
<Button
      android:id="@+id/button9"
      android:layout width="76dp"
      android:layout_height="wrap_content"
      android:layout_alignParentEnd="true"
      android:layout_alignParentBottom="true"
      android:layout marginEnd="171dp"
      android:onClick="inputNumber"
      android:layout_marginBottom="147dp"
      android:text="8" />
<Button
      android:id="@+id/button10"
      android:layout_width="76dp"
      android:layout height="wrap content"
      android:layout alignParentEnd="true"
      android:layout alignParentBottom="true"
      android:layout marginEnd="34dp"
      android:onClick="inputNumber"
      android:layout marginBottom="152dp"
      android:text="9" />
<Button
      android:id="@+id/button11"
      android:layout_width="76dp"
      android:layout height="wrap content"
      android:layout alignParentEnd="true"
      android:layout_alignParentBottom="true"
      android:layout_marginEnd="309dp"
      android:onClick="inputNumber"
      android:layout marginBottom="80dp"
      android:text="#"/>
<Button
      android:id="@+id/button12"
      android:layout width="76dp"
      android:layout_height="wrap_content"
      android:layout alignParentEnd="true"
      android:layout alignParentBottom="true"
```

```
android:layout_marginEnd="169dp"
      android:onClick="inputNumber"
      android:layout_marginBottom="78dp"
      android:text="0" />
<Button
      android:id="@+id/button13"
      android:layout width="76dp"
      android:layout_height="wrap_content"
      android:layout alignParentEnd="true"
      android:layout alignParentBottom="true"
      android:layout_marginEnd="34dp"
      android:onClick="inputNumber"
      android:layout_marginBottom="88dp"
      android:text="*"/>
<Button
      android:id="@+id/callBtn"
      android:layout_width="76dp"
      android:layout_height="wrap_content"
      android:layout_alignParentEnd="true"
      android:layout alignParentBottom="true"
      android:layout_marginEnd="284dp"
      android:layout_marginBottom="17dp"
      android:text="Call" />
<Button
      android:id="@+id/saveBtn"
      android:layout_width="76dp"
      android:layout height="wrap content"
      android:layout alignParentEnd="true"
      android:layout alignParentBottom="true"
      android:layout marginEnd="60dp"
      android:layout marginBottom="17dp"
      android:text="Save" />
</RelativeLayout>
```

MainActivity.java

```
package com.example.callingapplication;
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.Button;
import android.widget.EditText;
public class MainActivity extends AppCompatActivity {
 EditText phoneNumberEditText;
 Button clearBtn,callBtn,saveBtn;
```

```
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
phoneNumberEditText=findViewById(R.id.phoneNumberEditText);
callBtn=findViewById(R.id.callBtn);
saveBtn=findViewById(R.id.saveBtn);
clearBtn=findViewById(R.id.clearBtn);
clearBtn.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
phoneNumberEditText.setText("");
}
});
callBtn.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
String phoneNumber=phoneNumberEditText.getText().toString();
Intent intent=new Intent(Intent.ACTION_DIAL);
intent.setData(Uri.parse("tel:"+phoneNumber));
startActivity(intent);
}
});
saveBtn.setOnClickListener(new View.OnClickListener() {
@Override
public void onClick(View v) {
String phoneNumber=phoneNumberEditText.getText().toString();
Intent intent=new Intent(Intent.ACTION INSERT);
intent.setType(ContactsContract.Contacts.CONTENT TYPE);
intent.putExtra(ContactsContract.Intents.Insert.PHONE.phoneNumber);
startActivity(intent);
}
});
public void inputNumber(View V){
Button btn=(Button)V;
String digit=btn.getText().toString();
String phoneNumber=phoneNumberEditText.getText().toString();
phoneNumberEditText.setText(phoneNumber +digit);
}
}
```

Output

