**Assignment:-3**

**1.Create an application to call specific entered number by user in the EditText.**

**Code:-activity\_main.xml**

*<?***xml version="1.0" encoding="utf-8"***?>*

<**RelativeLayout 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/edit\_text\_number"**

**android:layout\_width="322dp"**

**android:layout\_height="wrap\_content"**

**android:layout\_alignParentTop="true"**

**android:layout\_centerHorizontal="true"**

**android:layout\_marginTop="133dp"**

**android:inputType="phone"** />

<**ImageButton**

**android:id="@+id/image\_call"**

**android:layout\_width="174dp"**

**android:layout\_height="99dp"**

**android:layout\_alignParentBottom="true"**

**android:layout\_centerHorizontal="true"**

**android:layout\_marginBottom="240dp"**

**app:srcCompat="@drawable/ic\_phone"** />

</**RelativeLayout**>

**Code:-MainActivity.java**

**package** com.example.sunil.myapplication;

**import** android.Manifest;

**import** android.content.Intent;

**import** android.content.pm.PackageManager;

**import** android.net.Uri;

**import** android.support.annotation.NonNull;

**import** android.support.v4.app.ActivityCompat;

**import** android.support.v4.content.ContextCompat;

**import** android.support.v7.app.AppCompatActivity;

**import** android.os.Bundle;

**import** android.view.View;

**import** android.widget.EditText;

**import** android.widget.ImageView;

**import** android.widget.Toast;

**public class** MainActivity **extends** AppCompatActivity {

**private static final int *REQUEST\_CALL*** = 1;

**private** EditText **mEditTextNumber**;

@Override

**protected void** onCreate(Bundle savedInstanceState) {

**super**.onCreate(savedInstanceState);

setContentView(R.layout.***activity\_main***);

**mEditTextNumber** = findViewById(R.id.***edit\_text\_number***);

ImageView imageCall =findViewById(R.id.***image\_call***);

imageCall.setOnClickListener(**new** View.OnClickListener() {

@Override

**public void** onClick(View view) {

makePhoneCall();

}

});

}

**private void** makePhoneCall(){

String number = **mEditTextNumber**.getText().toString();

**if**(number.trim().length()>0){

**if** (ContextCompat.*checkSelfPermission*(MainActivity.**this**,

Manifest.permission.***CALL\_PHONE***) != PackageManager.***PERMISSION\_GRANTED***){

ActivityCompat.*requestPermissions*(MainActivity.**this**,

**new** String[]{Manifest.permission.***CALL\_PHONE***},***REQUEST\_CALL***);

}**else** {

String dial =**"tel:"** + number;

startActivity(**new** Intent(Intent.***ACTION\_CALL***, Uri.*parse*(dial)));

}

}**else** {

Toast.*makeText*(MainActivity.**this**,**"Enter phone number"**,Toast.***LENGTH\_SHORT***).show();

}

}

@Override

**public void** onRequestPermissionsResult(**int** requestCode, @NonNull String[] permissions, @NonNull **int**[] grantResults) {

**if** (requestCode == ***REQUEST\_CALL***){

**if** (grantResults.**length** >0 && grantResults[0] == PackageManager.***PERMISSION\_GRANTED***){

makePhoneCall();

}**else** {

Toast.*makeText*(**this**,**"Permission Denide"**,Toast.***LENGTH\_SHORT***).show();

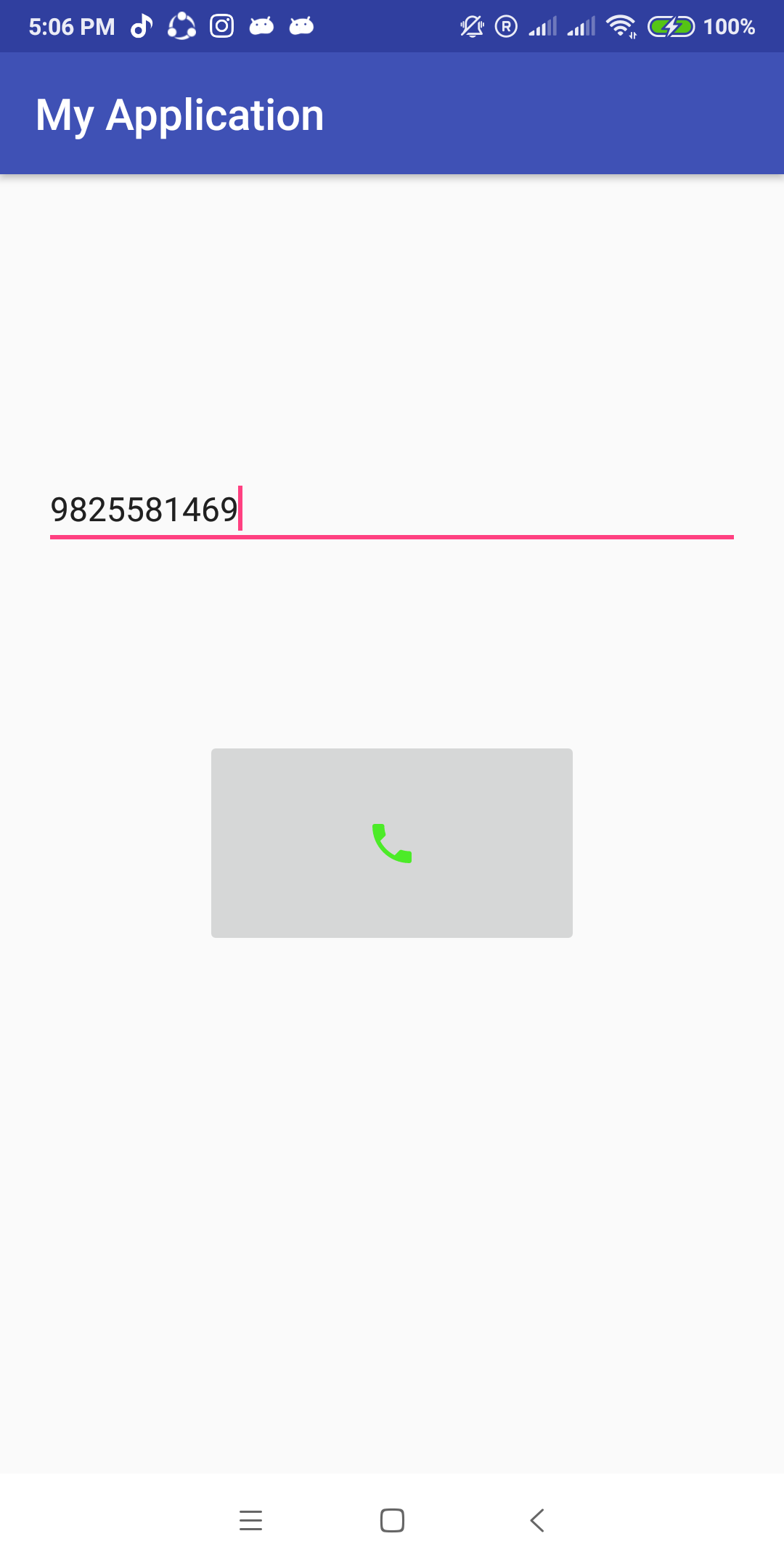
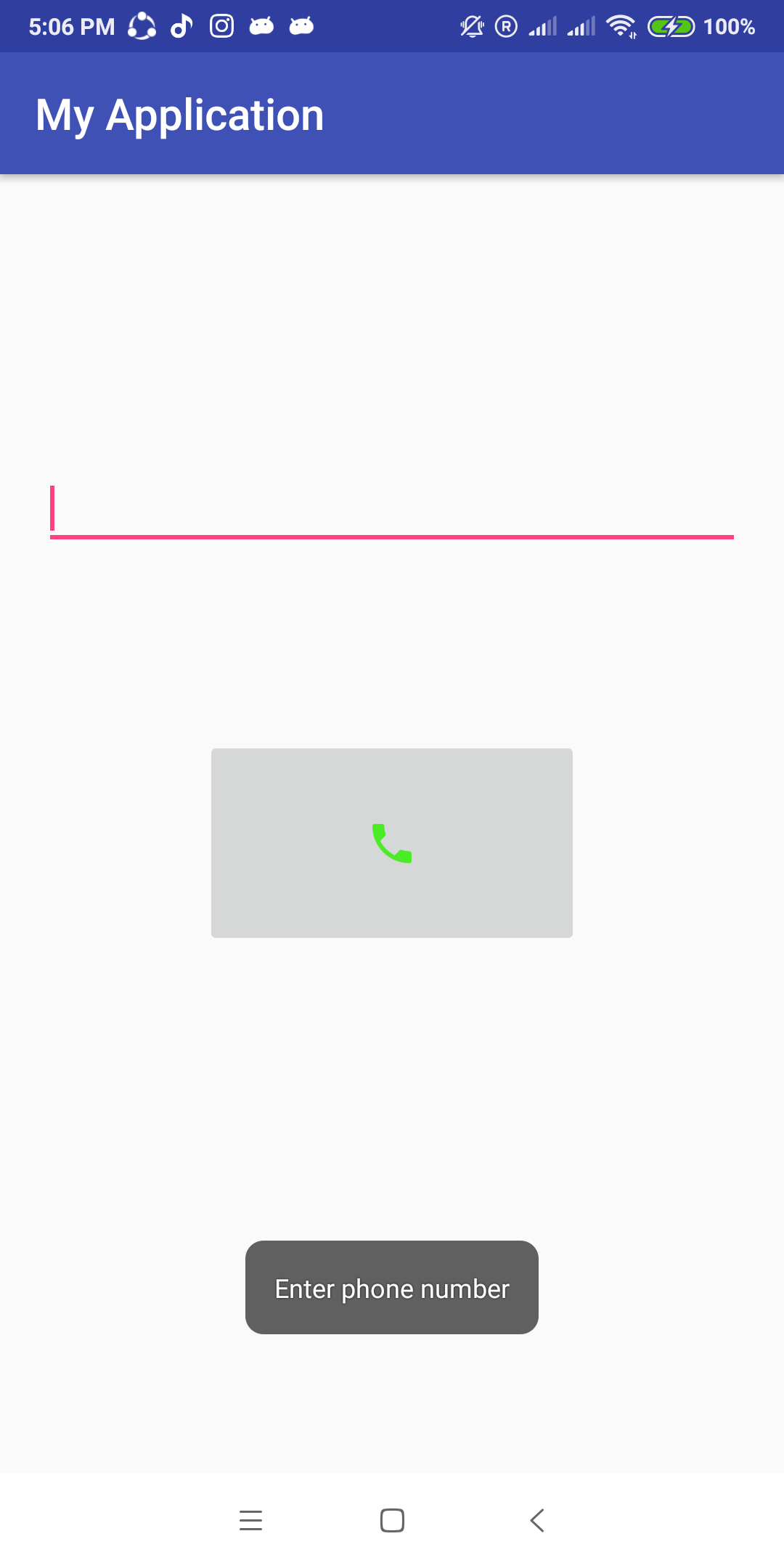
}

}

}

}

**Output:-**

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