BCA 6th sem 16SCSCA11018

## **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"?>
< Relative Layout 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;
```

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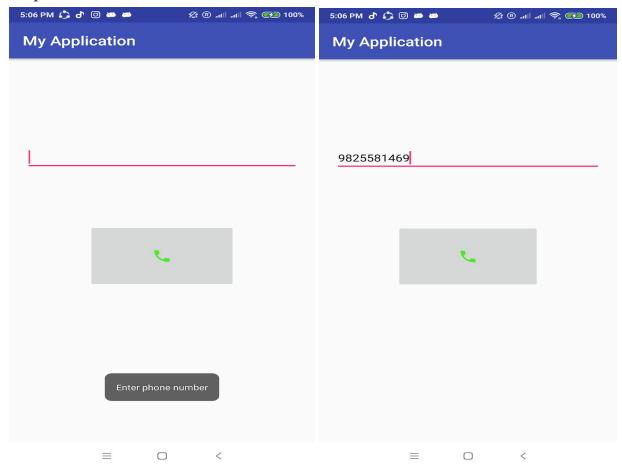
```
import android.widget.EditText;
import android.widget.ImageView;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
 private static final int REQUEST_CALL = 1;
 private EditText mEditTextNumber;
 @Override
 protected void onCreate(Bundle savedInstanceState) {
   super.onCreate(savedInstanceState);
   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();
```

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```
}
}
}
```

## Output:-



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