

## 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:-

