

PRACTICAL-7

AIM:

Create an application to phone call on a specific number entered by the user in the EditText.

PROGRAM CODE:

- **Activity_main.xml:**

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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:textAlignment="center"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/textView"
        android:layout_width="247dp"
        android:layout_height="34dp"
        android:text="@string/parth_patel_19dcs098"
        android:textColor="#FF5722"
        android:textSize="20sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
```

```
app:layout_constraintRight_toRightOf="parent"  
app:layout_constraintTop_toTopOf="parent"  
app:layout_constraintVertical_bias="0.136" />
```

<TextView

```
android:id="@+id/infoMessage"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:fontFamily="casual"  
android:text="@string/enter_the_contact_number"  
android:textColor="#689F38"  
android:textSize="20sp"  
app:layout_constraintBottom_toBottomOf="parent"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintHorizontal_bias="0.499"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toBottomOf="@+id/textView"  
app:layout_constraintVertical_bias="0.25" />
```

<EditText

```
android:id="@+id/number"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:ems="10"  
android:importantForAutofill="no"  
android:inputType="number"  
android:textAlignment="center"  
android:textSize="20sp"  
app:layout_constraintBottom_toBottomOf="parent"  
app:layout_constraintEnd_toEndOf="parent"  
app:layout_constraintHorizontal_bias="0.498"  
app:layout_constraintStart_toStartOf="parent"  
app:layout_constraintTop_toBottomOf="@+id/infoMessage"  
app:layout_constraintVertical_bias="0.213"
```

```
tools:ignore="SpeakableTextPresentCheck" />

<Button
    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:backgroundTint="#8BC34A"
    android:text="@string/call"
    android:textColor="#795548"
    android:textSize="20sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/number"
    app:layout_constraintVertical_bias="0.27" />

</androidx.constraintlayout.widget.ConstraintLayout>
```

- **Strings.xml:**

```
<resources>
    <string name="app_name">PhoneCall</string>
    <string name="parth_patel_19dcs098">PARTH PATEL-19DCS098</string>
    <string name="enter_the_contact_number">Enter the Contact Number</string>
    <string name="call">CALL</string>
</resources>
```

- **AndroidManifest.xml:**

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.parthnpatel.phonecall">

    <uses-permission android:name="android.permission.CALL_PHONE" />
    <uses-permission android:name="android.permission.READ_PHONE_STATE"/>

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="@string/app_name"
        android:roundIcon="@mipmap/ic_launcher_round"
        android:supportsRtl="true"
        android:theme="@style/Theme.PhoneCall">
        <activity
            android:name=".MainActivity"
            android:exported="true">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>

</manifest>
```

- **MainActivity.java:**

```
package com.parthnpatel.phonecall;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.net.Uri;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;

public class MainActivity extends AppCompatActivity {

    private EditText editText;
    private Button btn;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        editText=findViewById(R.id.number);
        btn=findViewById(R.id.button);

        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String number=editText.getText().toString();
                Intent call=new Intent(Intent.ACTION_CALL);
```

```
        call.setData(Uri.parse("tel:"+number));
        startActivity(call);
    }
});

}

}
```

OUTPUT:









