PRACTICAL-4.2

AIM:

Create a simple application showing the use of RATING BAR.

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"
    tools:context=".MainActivity">

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/parth_patel_19dcs098"
        android:textColor="#F44336"
        android:textSize="20sp"
        app:layout_constraintBottom_toTopOf="@+id/ratingBar"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
```

```
        app:layout_constraintTop_toTopOf="parent" />

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:backgroundTint="#4CAF50"
        android:text="@string/submit"
        android:textColor="#263238"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.615" />

    <RatingBar
        android:id="@+id/ratingBar"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="236dp"
        app:layout_constraintBottom_toTopOf="@+id/button"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.497"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.0"
        tools:ignore="SpeakableTextPresentCheck" />



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

- **Strings.xml:**

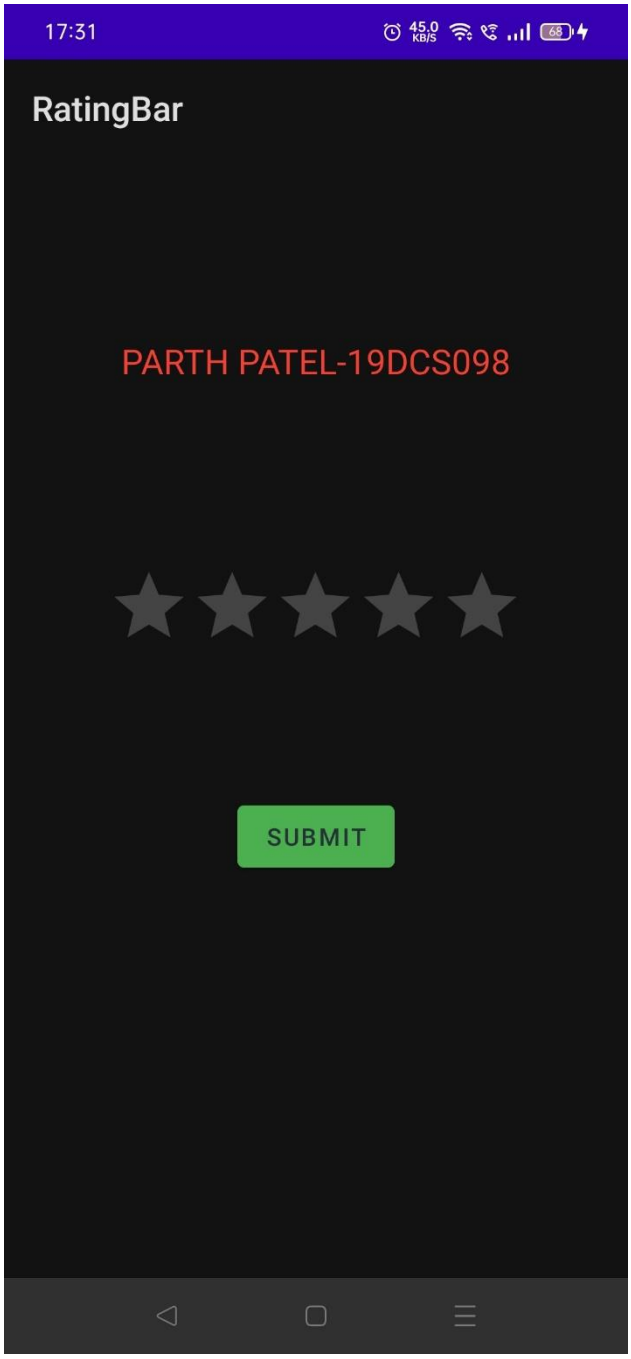
```
<resources>
    <string name="app_name">RatingBar</string>
    <string name="submit">SUBMIT</string>
    <string name="parth_patel_19dcs098">PARTH PATEL-19DCS098</string>
</resources>
```

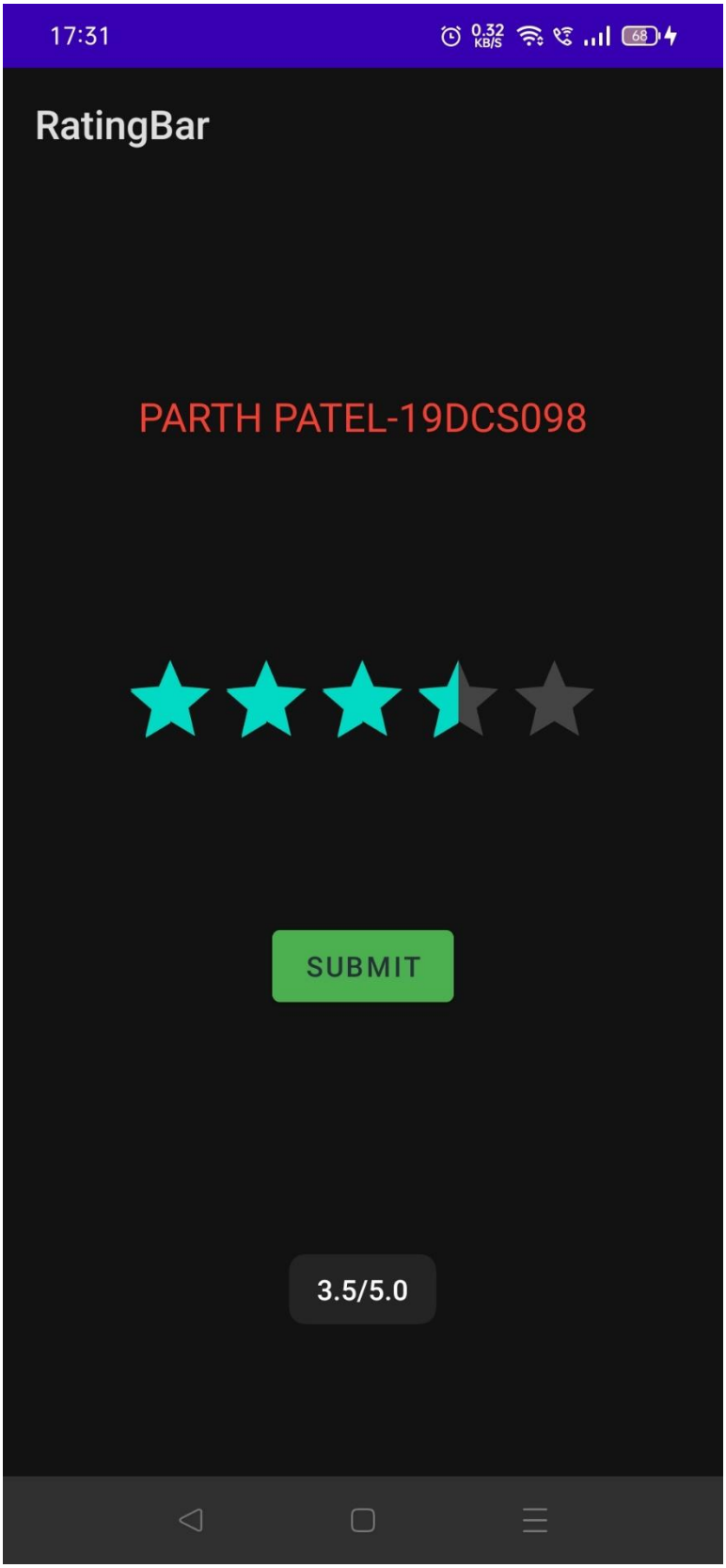
- **MainActivity.java:**

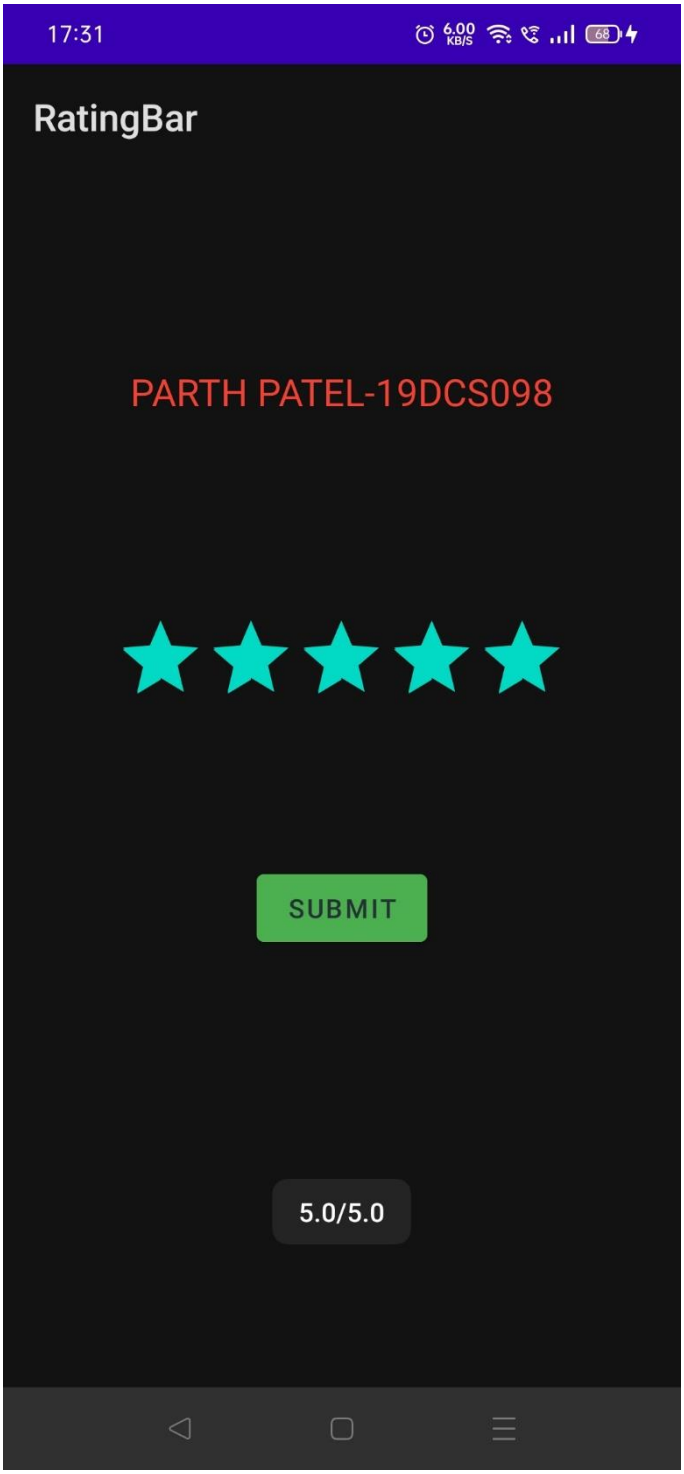
```
package com.parthnpatel.ratingbar;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.RatingBar;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

    private RatingBar ratingBar;
    private Button button;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
```

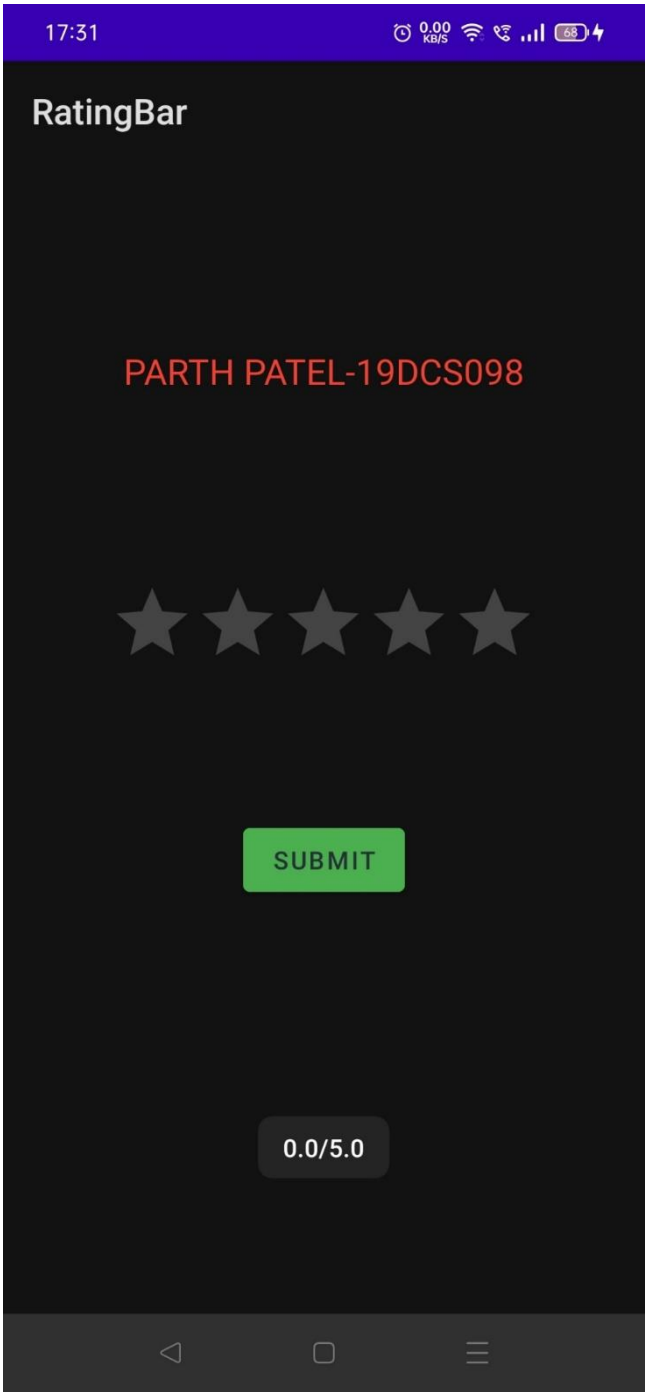
```
        setContentView(R.layout.activity_main);

        ratingBar =  findViewById(R.id.ratingBar);
        button =  findViewById(R.id.button);

        button.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String str=String.valueOf(ratingBar.getRating());
                Toast.makeText(getApplicationContext(), str+"/5.0",
Toast.LENGTH_LONG).show();
            }
        });
    }
}
```

OUTPUT:




17:31
RatingBar
PARTH PATEL-19DCS098
SUBMIT
3.5/5.0


17:31
RatingBar
PARTH PATEL-19DCS098
SUBMIT
5.0/5.0


17:31
RatingBar
PARTH PATEL-19DCS098
SUBMIT
0.0/5.0