**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:**







