

## Practical No.:12

### Aim: Rating bar in Android

#### Source 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">

    <RatingBar
        android:id="@+id/ratingBar"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:layout_centerVertical="true"
        android:stepSize="0.2"/>

    <TextView
        android:id="@+id/textView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/textView1"
        android:layout_centerHorizontal="true"
        android:layout_marginBottom="20dp"
        android:textStyle="bold"
        android:textColor="#ff0000"/>

    <TextView
        android:id="@+id/textView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:layout_marginBottom="80dp"
        android:textStyle="bold"
        android:text="Rate us"
        android:textColor="#000000"/>

    <Button
        android:id="@+id/submitButton"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/ratingBar"
        android:layout_marginTop="20dp"
        android:layout_centerHorizontal="true"
        android:text="@string/submit"
        android:onClick="onSubmit"/>
</RelativeLayout>
```

### MainActivity.java

```
package com.example.practical_no_12;

import androidx.appcompat.app.AppCompatActivity;

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

public class MainActivity extends AppCompatActivity {

    RatingBar ratingBar;
    TextView textView,textView1;
    Button button;

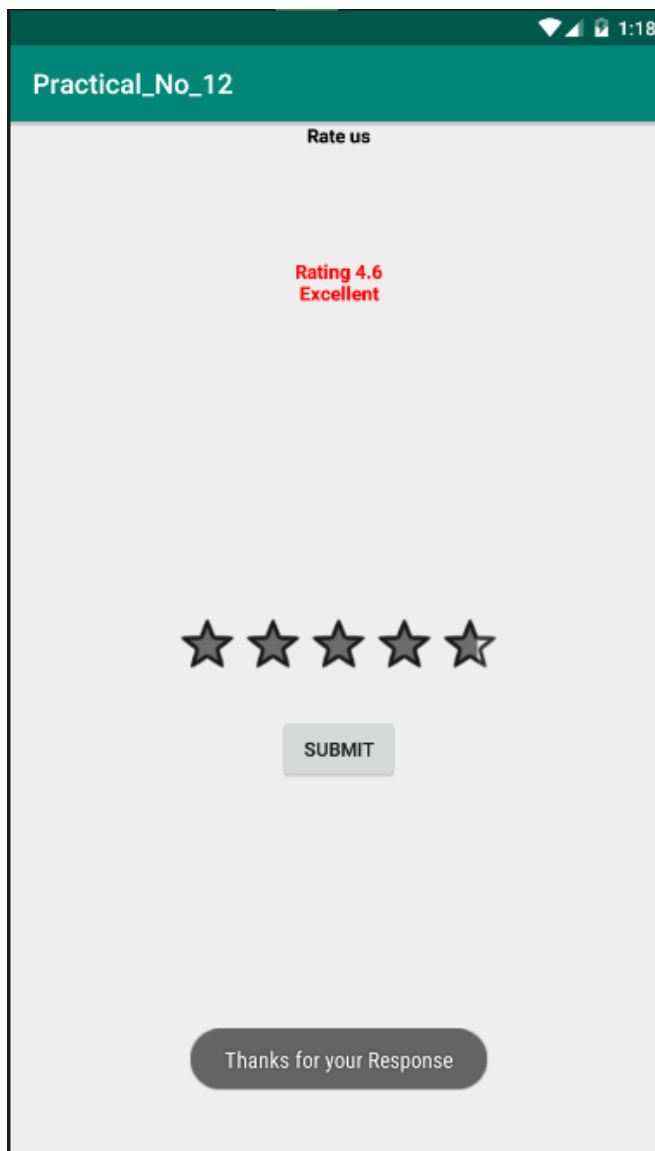
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        ratingBar=findViewById(R.id.ratingBar);
        textView=findViewById(R.id.textView);
        textView1=findViewById(R.id.textView1);
        button=findViewById(R.id.submitButton);
    }

    @SuppressWarnings("SetTextI18n")
    public void onSubmit(View view)
    {
        float ratingvalue=ratingBar.getRating();
        if(ratingvalue<2)
        {
            textView.setText("Rating "+ratingvalue+"\n is worst");
        }
        else if(ratingvalue<=3 && ratingvalue>=2)
        {
            textView.setText("Rating "+ratingvalue+"\n we will try better");
        }
        else if(ratingvalue>3 && ratingvalue<=4)
        {
            textView.setText("Rating "+ratingvalue+"\n It is good");
        }
        else if(ratingvalue>4)
        {
            textView.setText("Rating "+ratingvalue+"\n Excellent");
        }

        Toast.makeText(this, "Thanks for your Response", Toast.LENGTH_SHORT).show();
    }
}
```

**Output:**



The screenshot shows a mobile application interface with a teal header bar containing the text "Practical\_No\_12". Below the header, the text "Rate us" is displayed. A red rating of "4.6" is shown, followed by the word "Excellent" in red. Below the rating, there are five gray stars. A gray button labeled "SUBMIT" is positioned below the stars. At the bottom of the screen, a dark gray rounded rectangle contains the text "Thanks for your Response". The status bar at the top right shows the time as 1:18.

Practical\_No\_12

Rate us

Rating 4.6  
Excellent

★ ★ ★ ★ ★

SUBMIT

Thanks for your Response