**PRACTICAL-4.1**

**AIM:**

**Create a simple application showing the use of SEEK BAR.**

**PROGRAM 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">  
  
 <TextView  
 android:id="@+id/display"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 android:text="@string/parth\_patel\_19dcs098"  
 android:textStyle="bold"  
 android:textSize="20sp"  
 android:layout\_gravity="center"/>  
 <SeekBar  
 android:id="@+id/seekbar"  
 android:layout\_marginTop="300dp"  
 android:layout\_width="fill\_parent"  
 android:layout\_height="wrap\_content"  
 android:max="150"/>  
  
</RelativeLayout>

* **strings.xml:**

<resources>  
 <string name="app\_name">SeekBar</string>  
 <string name="parth\_patel\_19dcs098">Parth Patel-19DCS098</string>  
</resources>

* **MainActivity.xml:**

package com.parthnpatel.seekbar;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.widget.SeekBar;  
import android.widget.TextView;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
  
   
 private SeekBar seekbar;  
 private TextView displayMessage;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState)  
 {  
 super.onCreate(savedInstanceState);  
  
   
 setContentView(R.layout.*activity\_main*);  
  
 displayMessage  
 = (TextView)findViewById(R.id.*display*);  
 seekbar  
 = (SeekBar)findViewById(R.id.*seekbar*);  
  
  
 seekbar.setOnSeekBarChangeListener(  
 new SeekBar.OnSeekBarChangeListener() {  
 @Override  
 public void onProgressChanged(  
 SeekBar seekBar,  
 int progress,  
 boolean fromUser)  
 {  
 displayMessage.setTextSize(progress + 1);  
 }  
  
 @Override  
 public void onStartTrackingTouch(SeekBar seekBar)  
 {  
 Toast.*makeText*(getApplicationContext(), "User Interacting!!", Toast.*LENGTH\_SHORT*).show();  
 }  
  
 @Override  
 public void onStopTrackingTouch(SeekBar seekBar)  
 {  
 Toast.*makeText*(getApplicationContext(),"User Stopped Interacting!!",Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
 }  
}

**OUTPUT:**





