

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:





