Practical No.: 13.2

Aim: Horizontal Progress bar in Android

Source code:

```
Activity_main.xml
```

@Override

```
<?xml version="1.0" encoding="utf-8"?>
< Relative Layout 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"
  android:orientation="vertical"
  tools:context=".MainActivity">
  <ProgressBar
    android:id="@+id/horizontalProgressBar"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    style="?android:attr/progressBarStyleHorizontal"
    android:layout marginTop="16dp"
    android:indeterminate="false"
    android:max="100"
    android:minHeight="100dp"
    android:progress="2"
    android:progressBackgroundTint="@color/colorPrimaryDark"/>
  <TextView
    android:id="@+id/textView"
    android:layout width="wrap content"
    android:layout_height="wrap_content"
    android:gravity="center_horizontal"
    android:text="@string/status"
    android:textSize="22sp"/>
</RelativeLayout>
MainActivity.java
package com.example.practical_no_13_2;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.os.Handler;
import android.widget.ProgressBar;
import android.widget.TextView;
public class MainActivity extends AppCompatActivity {
  ProgressBar progressBar;
  int progressStatusCounter=0;
  TextView textView;
  Handler progressHandler=new Handler();
```

```
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    progressBar=findViewById(R.id.horizontalProgressBar);
    textView=findViewById(R.id.textView);
    new Thread(new Runnable() {
       @Override
      public void run() {
         while(progressStatusCounter<100)
           progressStatusCounter+=2;
           progressHandler.post(new Runnable() {
              @Override
             public void run() {
                progressBar.setProgress(progressStatusCounter);
                textView.setText("Status:
"+progressStatusCounter+"/"+progressBar.getMax());\\
           });
           try {
             Thread.sleep(300);
           } catch (InterruptedException e) {
             e.printStackTrace();
    }).start();
  }
```

Output:

