ACTIVITY\_MAIN.XML

<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity"** >  
  
 <**ProgressBar  
 android:id="@+id/progressBar"  
 style="?android:attr/progressBarStyleHorizontal"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentTop="true"  
 android:layout\_marginLeft="23dp"  
 android:layout\_marginTop="20dp"  
 android:indeterminate="false"  
 android:max="100"  
 android:minHeight="50dp"  
 android:minWidth="200dp"  
 android:progress="1"** />  
  
 <**ProgressBar  
 android:id="@+id/progressBar\_cyclic"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:minHeight="50dp"  
 android:minWidth="50dp"  
 android:layout\_centerVertical="true"  
 android:layout\_centerHorizontal="true"** />  
  
 <**TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignLeft="@+id/progressBar"  
 android:layout\_below="@+id/progressBar"**/>  
  
</**RelativeLayout**>

MAINACTIVITY.JAVA

**package** com.example.progressbar;  
  
**import** android.os.Handler;  
  
**import** android.os.Bundle;  
**import** android.widget.ProgressBar;  
**import** android.widget.TextView;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**public class** MainActivity **extends** AppCompatActivity {  
  
 **private** ProgressBar **progressBar**;  
 **private int progressStatus** = 0;  
 **private** TextView **textView**;  
 **private** Handler **handler** = **new** Handler();  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 **progressBar** = (ProgressBar) findViewById(R.id.ProgressBar);  
 **textView** = (TextView) findViewById(R.id.***textView***);  
 *// Start long running operation in a background thread* **new** Thread(**new** Runnable() {  
 **public void** run() {  
 **while** (**progressStatus** < 100) {  
 **progressStatus** += 1;  
 *// Update the progress bar and display the  
 //current value in the text view* **handler**.post(**new** Runnable() {  
 **public void** run() {  
 **progressBar**.setProgress(**progressStatus**);  
 **textView**.setText(**progressStatus**+**"/"**+**progressBar**.getMax());  
 }  
 });  
 **try** {  
 *// Sleep for 200 milliseconds.* Thread.*sleep*(200);  
 } **catch** (InterruptedException e) {  
 e.printStackTrace();  
 }  
 }  
 }  
 }).start();  
 }  
}