package com.example.counter;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.os.Handler;  
import android.os.Message;  
import android.view.View;  
import android.widget.Button;  
import android.widget.TextView;  
  
public class MainActivity extends AppCompatActivity implements View.OnClickListener{  
 TextView ctr;  
 Button start, stop;  
 int counter=0;  
 boolean running=false;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 start=(Button)findViewById(R.id.*btn\_start*);  
 stop=(Button)findViewById(R.id.*btn\_stop*);  
 ctr=(TextView)findViewById(R.id.*counter*);  
 start.setOnClickListener(this);  
 stop.setOnClickListener(this);  
 }  
  
 @Override  
 public void onClick(View v) {  
 if(v.equals(start))  
 {  
 counter=0;  
 running=true;  
 new MyCounter().start();  
 }  
 else if(v.equals(stop))  
 {  
 running=false;  
 }  
 }  
  
 Handler handler=new Handler()  
 {  
 public void handleMessage(Message m)  
 {  
 ctr.setText(String.*valueOf*(m.what));  
 }  
 };  
  
 class MyCounter extends Thread  
 {  
 public void run()  
 {  
 while(running)  
 {  
 counter++;  
 handler.sendEmptyMessage(counter);  
 try {  
 Thread.*sleep*(1000);  
 }  
 catch (Exception e)  
 { }  
 }  
 }  
 }