counter:

```
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/textView2"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:layout_alignParentEnd="true"
    android:layout alignParentBottom="true"
    android:layout_marginEnd="116dp"
    android:layout marginBottom="605dp"
    android:text="Counter Application"
    android:textAlignment="center"
    android:textColor="#1432DC"
    android:textSize="20sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout constraintEnd toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.459"
    app:layout constraintStart toStartOf="parent"
    app:layout constraintTop toTopOf="parent"
    app:layout_constraintVertical_bias="0.146" />
  <TextView
    android:id="@+id/Value"
    android:layout width="wrap content"
    android:layout_height="wrap_content"
    android:layout marginStart="156dp"
    android:layout_marginTop="288dp"
    android:text="counter value"
    android:textAlignment="center"
    app:layout constraintStart toStartOf="parent"
    app:layout constraintTop toTopOf="parent" />
  <Button
    android:id="@+id/start"
```

```
android:layout width="107dp"
    android:layout_height="60dp"
    android:layout alignParentEnd="true"
    android:layout alignParentBottom="true"
    android:layout marginTop="192dp"
    android:layout marginEnd="144dp"
    android:layout marginBottom="479dp"
    android:text="start"
    android:textAlignment="center"
    app:layout constraintTop toTopOf="parent"
    tools:ignore="MissingConstraints"
    tools:layout_editor_absoluteX="156dp" />
  <Button
    android:id="@+id/stop"
    android:layout width="wrap content"
    android:layout_height="wrap_content"
    android:layout marginStart="156dp"
    android:layout_marginTop="348dp"
    android:text="stop"
    android:textAlignment="center"
    app:layout_constraintStart_toStartOf="parent"
    app:layout constraintTop toTopOf="parent" />
</RelativeLayout>
java:
package com.example.counter;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.os.Handler;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
public class MainActivity extends AppCompatActivity {
  Button start, stop;
  TextView value;
  int i=1;
  Handler customHandler=new Handler();
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity main);
    start=findViewById(R.id.start);
```

```
stop=findViewById(R.id.stop);
  value=findViewById(R.id.Value);
  start.setOnClickListener(new View.OnClickListener() {
     @Override
     public void onClick(View v) {
       customHandler.postDelayed(updateTimerThread,0);
     }
  });
  stop.setOnClickListener(new View.OnClickListener() {
     @Override
     public void onClick(View v) {
       customHandler.removeCallbacks(updateTimerThread);
     }
  });
}
private final Runnable updateTimerThread=new Runnable() {
  @Override
  public void run() {
     value.setText(""+i);
     customHandler.postDelayed(this,1000);
  }
};
```