

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);
        i++;
    }
};
}
```
