

## PRACTICAL:3

**AIM: Create an application that will display Toast (Message) on a specific interval of time.**

**Source Code:**

**Java File/s:**  
**MainActivity.java**

```
package com.example.practical3

import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.Chronometer;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

    Chronometer ch;
    int counter;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        counter = -1;
        ch = findViewById(R.id.chronometer);
        ch.start();

        ch.setOnChronometerTickListener(new Chronometer.OnChronometerTickListener() {
            @Override
            public void onChronometerTick(Chronometer chronometer) {
                counter++;
                if(counter%5 == 0)
                    Toast.makeText(MainActivity.this, "Hello!!", Toast.LENGTH_SHORT).show();
            }
        });
    }
}
```

**Layout File/s:**  
**activity\_main.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:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_marginTop="175dp"
        android:text="Practical 3"
        android:textColor="@color/text"
        android:layout_centerHorizontal="true"
        android:textSize="32sp"
        tools:layout_editor_absoluteX="108dp"
        tools:layout_editor_absoluteY="39dp" />

    <Chronometer
        android:id="@+id/chronometer"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="274dp"
        android:background="@color/text"
        android:gravity="center"
        android:padding="10dp"
        android:textColor="#1aff00"
        android:textStyle="bold" />

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:text="17IT104"
        android:layout_marginTop="60dp"
        android:textSize="48sp"/>

</RelativeLayout>
```

**Output:**