WCMC (IT349) 6th IT (2019-2020)

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. set On Chronometer Tick Listener (new \ Chronometer. On Chronometer Tick Listener () \ \{ (in the context of the context 
                           @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"?>
```

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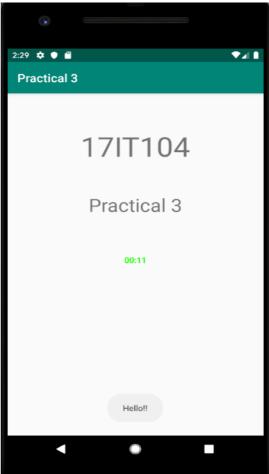
```
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
  xmlns:app="http://schemas.android.com/apk/res-auto"
  xmlns:tools="http://schemas.android.com/tools"
  android:layout_width="match_parent"
  android:layout_height="match_parent"
  tools:context=".MainActivity">
  <TextView
    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>
```

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Output:





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