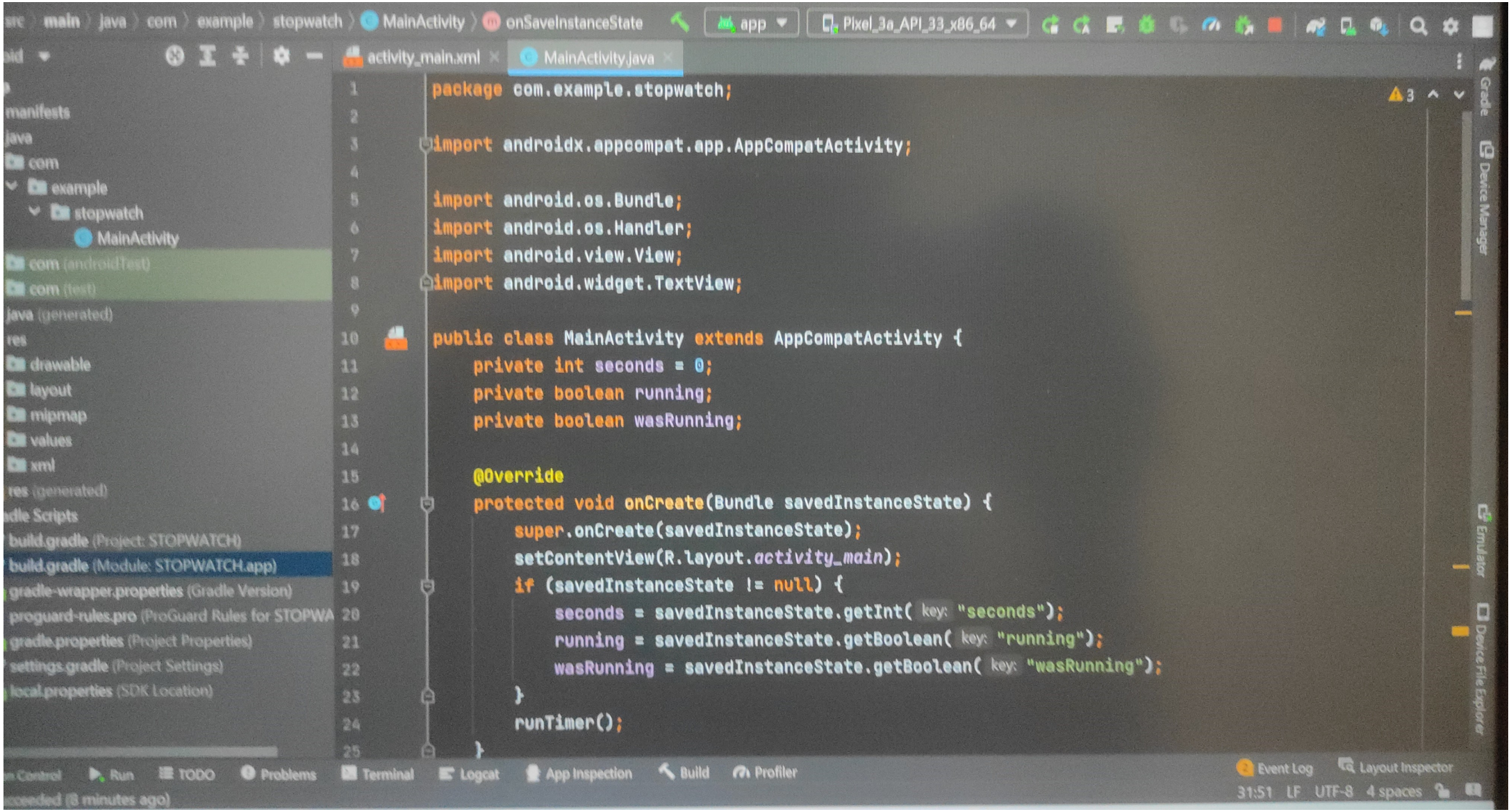
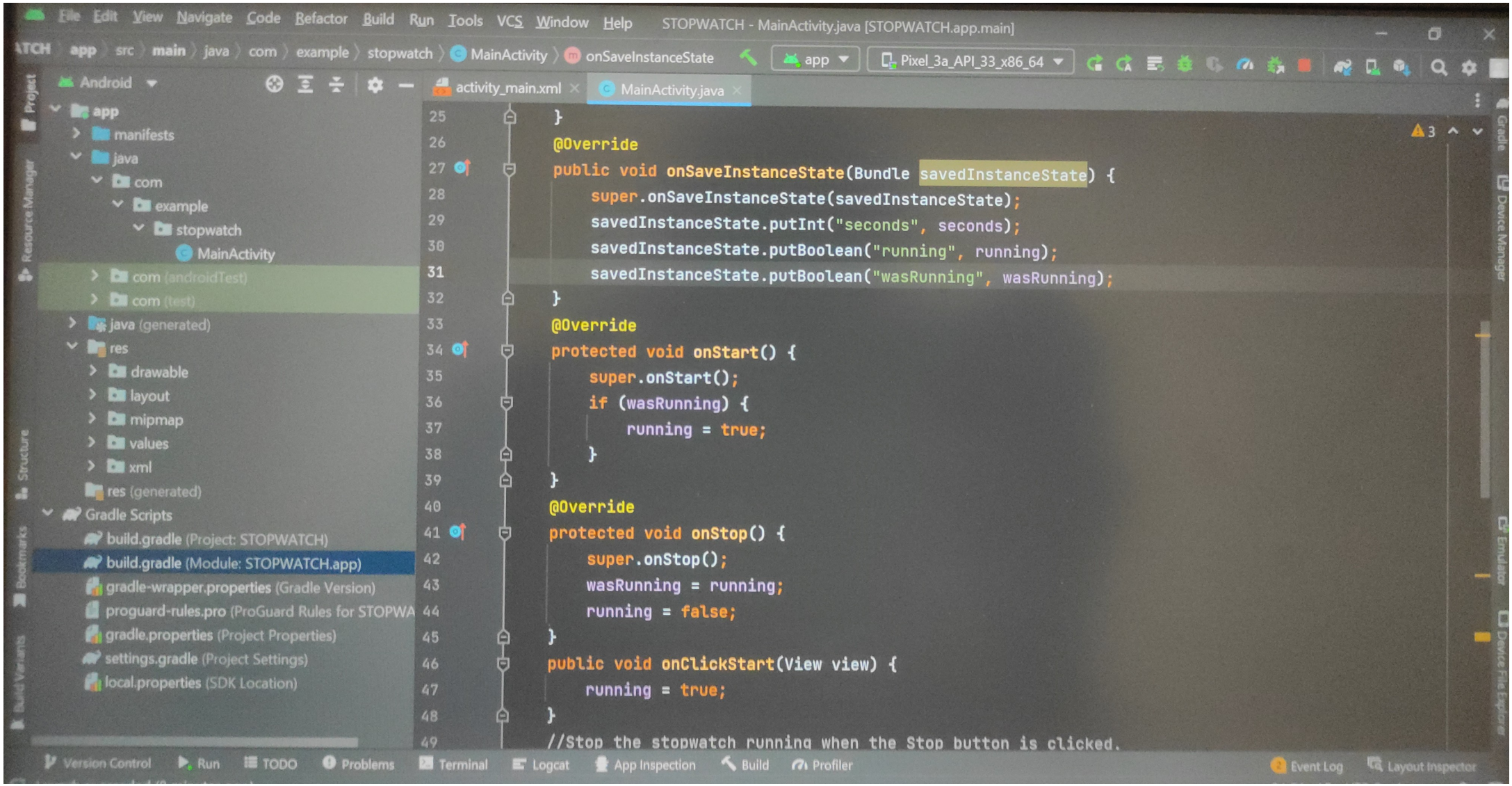

src main java com example stopwatch MainActivity onSaveInstanceState
app
Pixel_3a_API_33_x86_64
activity_main.xml
MainActivity.java
manifests
java
com
example
stopwatch
MainActivity
com (androidTest)
com (test)
java (generated)
res
drawable
layout
mipmap
values
xml
res (generated)
Gradle Scripts
build.gradle (Project: STOPWATCH)
build.gradle (Module: STOPWATCH.app)
gradle-wrapper.properties (Gradle Version)
proguard-rules.pro (ProGuard Rules for STOPWA
gradle.properties (Project Properties)
settings.gradle (Project Settings)
local.properties (SDK Location)
1 package com.example.stopwatch;
3 import androidx.appcompat.app.AppCompatActivity;
5 import android.os.Bundle;
6 import android.os.Handler;
7 import android.view.View;
8 import android.widget.TextView;
10 public class MainActivity extends AppCompatActivity {
11 private int seconds = 0;
12 private boolean running;
13 private boolean wasRunning;
15 @Override
16 protected void onCreate(Bundle savedInstanceState) {
17 super.onCreate(savedInstanceState);
18 setContentView(R.layout.activity_main);
19 if (savedInstanceState != null) {
20 seconds = savedInstanceState.getInt(key: "seconds");
21 running = savedInstanceState.getBoolean(key: "running");
22 wasRunning = savedInstanceState.getBoolean(key: "wasRunning");
23 }
24 runTimer();
25 }
3
Run
TODO
Problems
Terminal
Logcat
App Inspection
Build
Profiler
Event Log
Layout Inspector
31:51 LF UTF-8 4 spaces
Gradle
Device Manager
Emulator
Device File Explorer


File Edit View Navigate Code Refactor Build Run Tools VCS Window Help
STOPWATCH - MainActivity.java [STOPWATCH.app.main]
app src main java com example stopwatch MainActivity onSaveInstanceState
app
Pixel_3a_API_33_x86_64
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MainActivity.java
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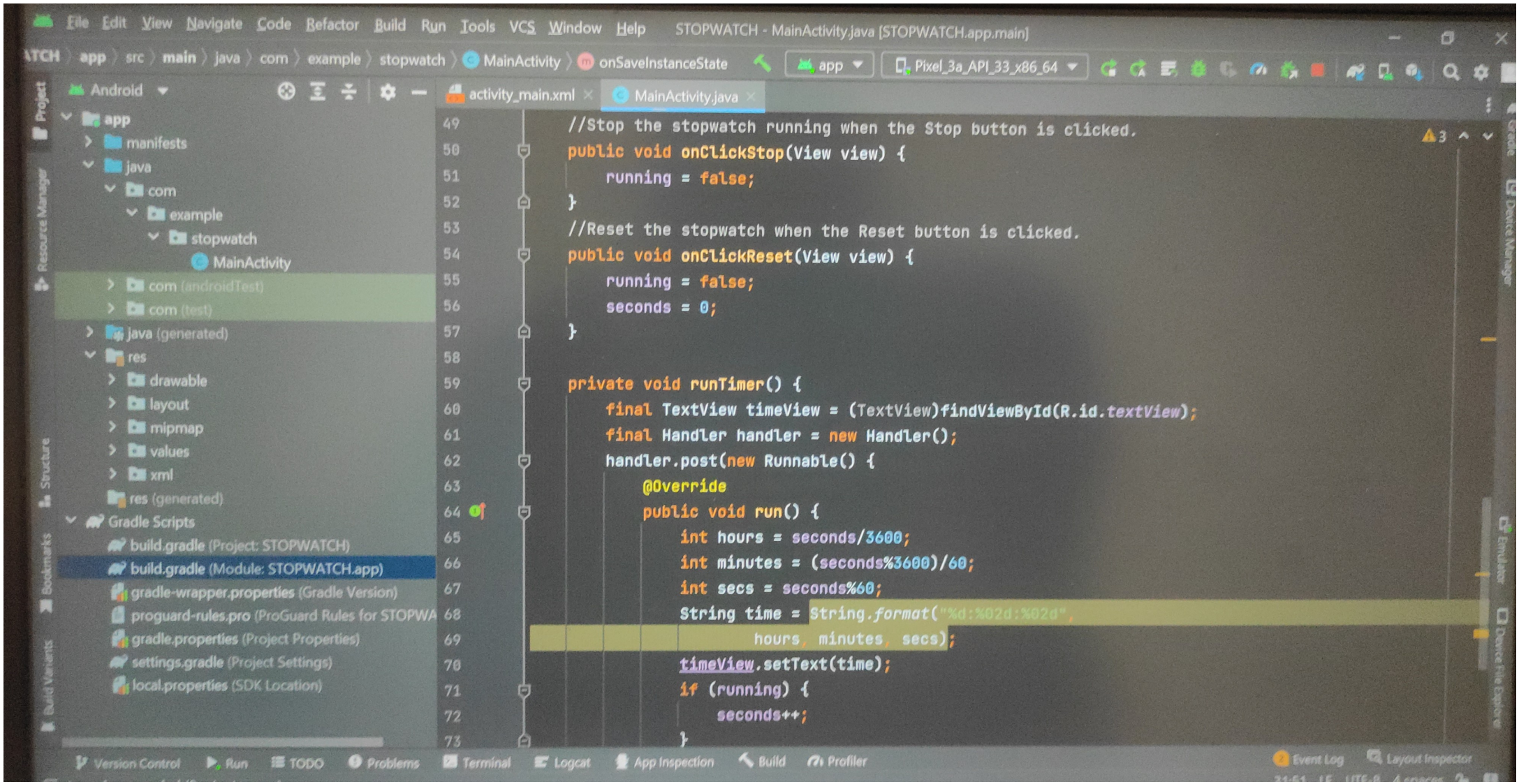
gradle.properties (Project Properties)
settings.gradle (Project Settings)
local.properties (SDK Location)
25 }
26 @Override
27 public void onSaveInstanceState(Bundle savedInstanceState) {
28 super.onSaveInstanceState(savedInstanceState);
29 savedInstanceState.putInt("seconds", seconds);
30 savedInstanceState.putBoolean("running", running);
31 savedInstanceState.putBoolean("wasRunning", wasRunning);
32 }
33 @Override
34 protected void onStart() {
35 super.onStart();
36 if (wasRunning) {
37 running = true;
38 }
39 }
40 @Override
41 protected void onStop() {
42 super.onStop();
43 wasRunning = running;
44 running = false;
45 }
46 public void onClickStart(View view) {
47 running = true;
48 }
49 //Stop the stopwatch running when the Stop button is clicked.
Version Control Run TODO Problems Terminal Logcat App Inspection Build Profiler Event Log Layout Inspector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STOPWATCH - MainActivity.java [STOPWATCH.app.main]
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proguard-rules.pro (ProGuard Rules for STOPWA
gradle.properties (Project Properties)
settings.gradle (Project Settings)
local.properties (SDK Location)
49 //Stop the stopwatch running when the Stop button is clicked.
50 public void onClickStop(View view) {
51 running = false;
52 }
53 //Reset the stopwatch when the Reset button is clicked.
54 public void onClickReset(View view) {
55 running = false;
56 seconds = 0;
57 }
58
59 private void runTimer() {
60 final TextView timeView = (TextView)findViewById(R.id.textView);
61 final Handler handler = new Handler();
62 handler.post(new Runnable() {
63 @Override
64 public void run() {
65 int hours = seconds/3600;
66 int minutes = (seconds%3600)/60;
67 int secs = seconds%60;
68 String time = String.format("%d:%02d:%02d",
69 hours, minutes, secs);
70 timeView.setText(time);
71 if (running) {
72 seconds++;
73 }
Version Control
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TODO
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Profiler
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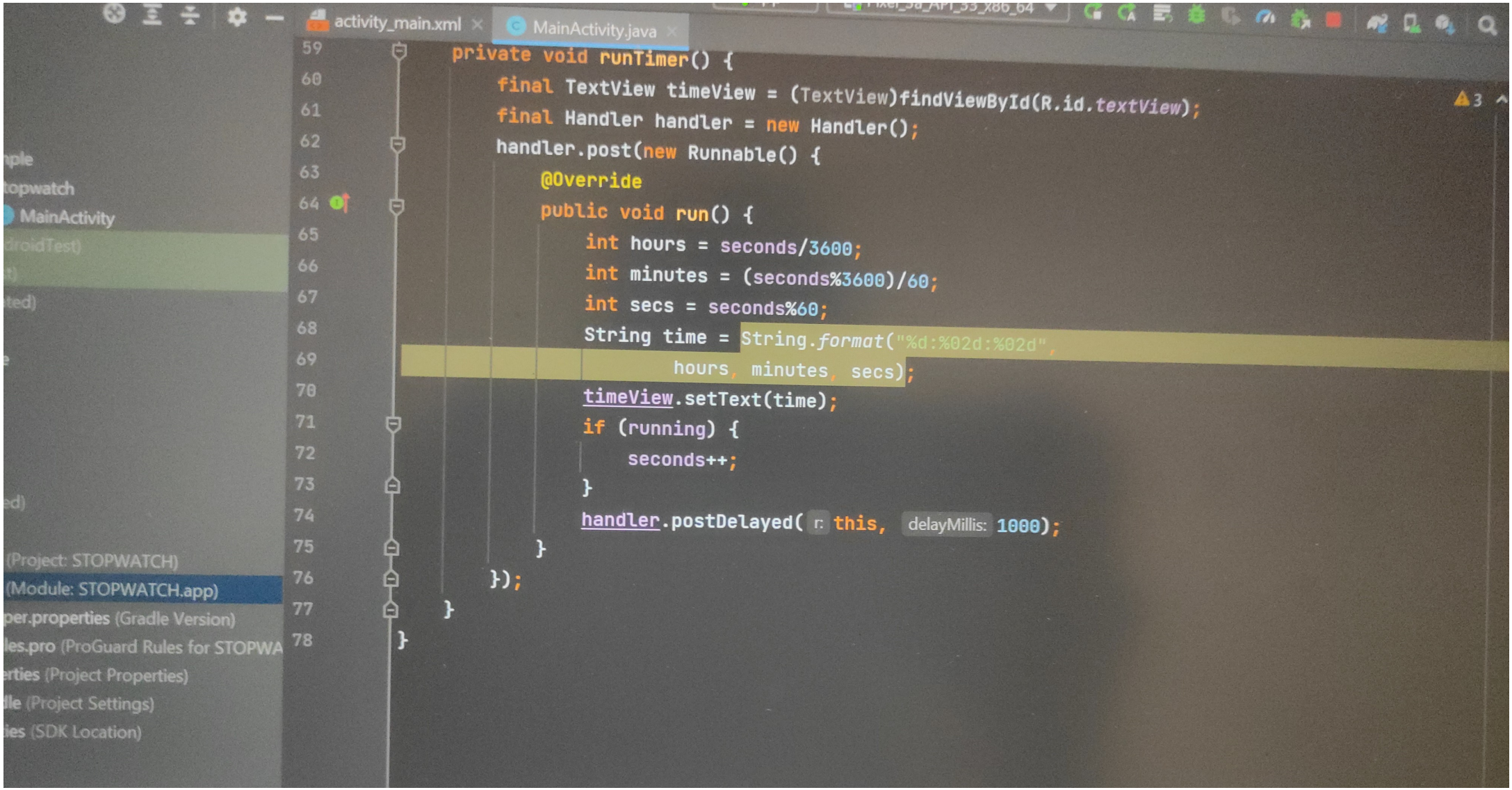
Layout Inspector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MainActivity.java
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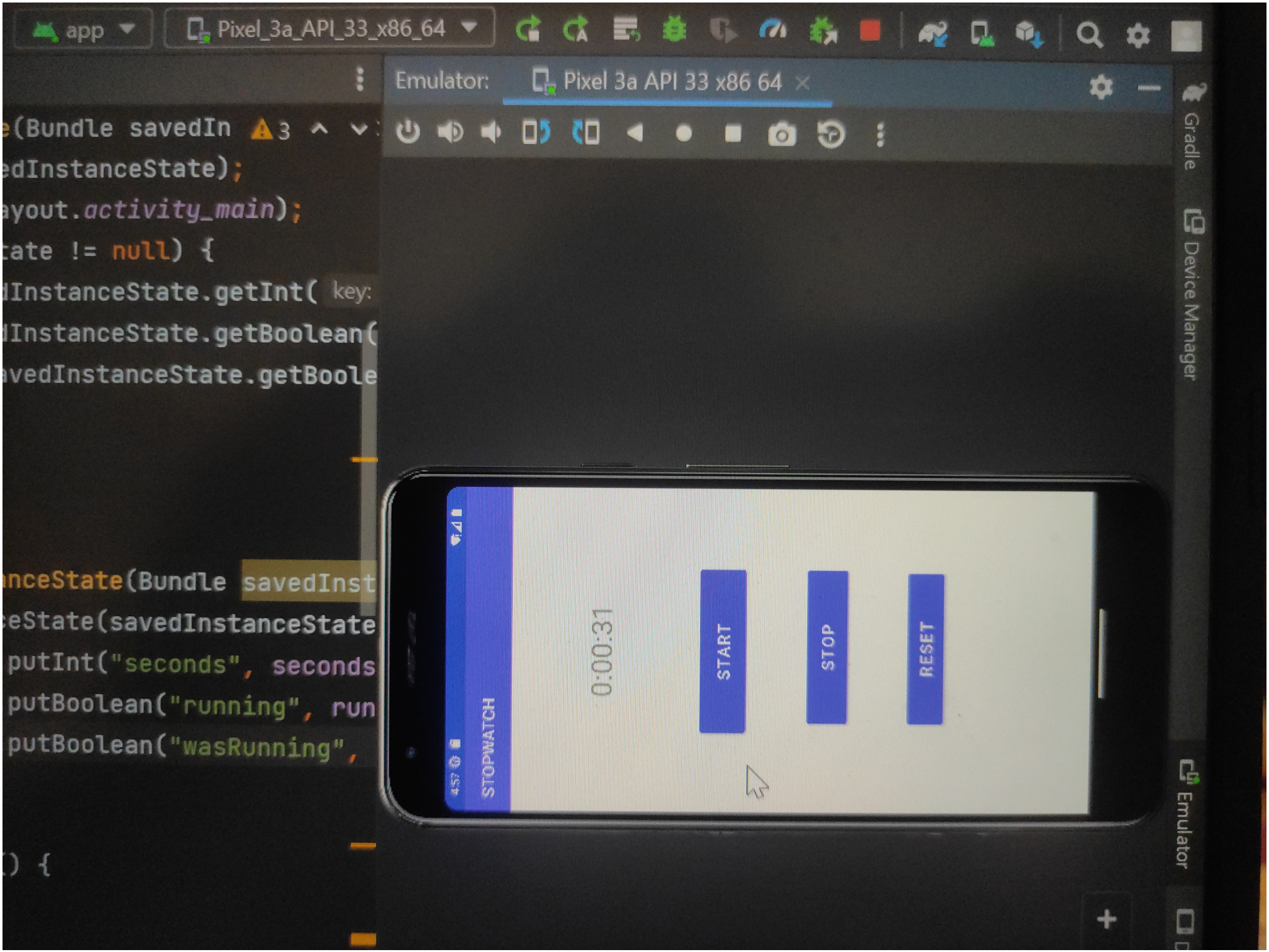
59 private void runTimer() {
60 final TextView timeView = (TextView)findViewById(R.id.textView);
61 final Handler handler = new Handler();
62 handler.post(new Runnable() {
63 @Override
64 public void run() {
65 int hours = seconds/3600;
66 int minutes = (seconds%3600)/60;
67 int secs = seconds%60;
68 String time = String.format("%d:%02d:%02d",
69 hours, minutes, secs);
70 timeView.setText(time);
71 if (running) {
72 seconds++;
73 }
74 handler.postDelayed(r: this, delayMillis: 1000);
75 }
76 });
77 }
78 }
3


app
Pixel_3a_API_33_x86_64
Emulator:
Pixel 3a API 33 x86 64
(Bundle savedIn
edInstanceState);
ayout.activity_main);
tate != null) {
dInstanceState.getInt(key:
dInstanceState.getBoolean(
avedInstanceState.getBoole
nceState(Bundle savedInst
eState(savedInstanceState
putInt("seconds", seconds
putBoolean("running", run
putBoolean("wasRunning",
) {
STOPWATCH
0:00:31
START
STOP
RESET
Gradle
Device Manager
Emulator