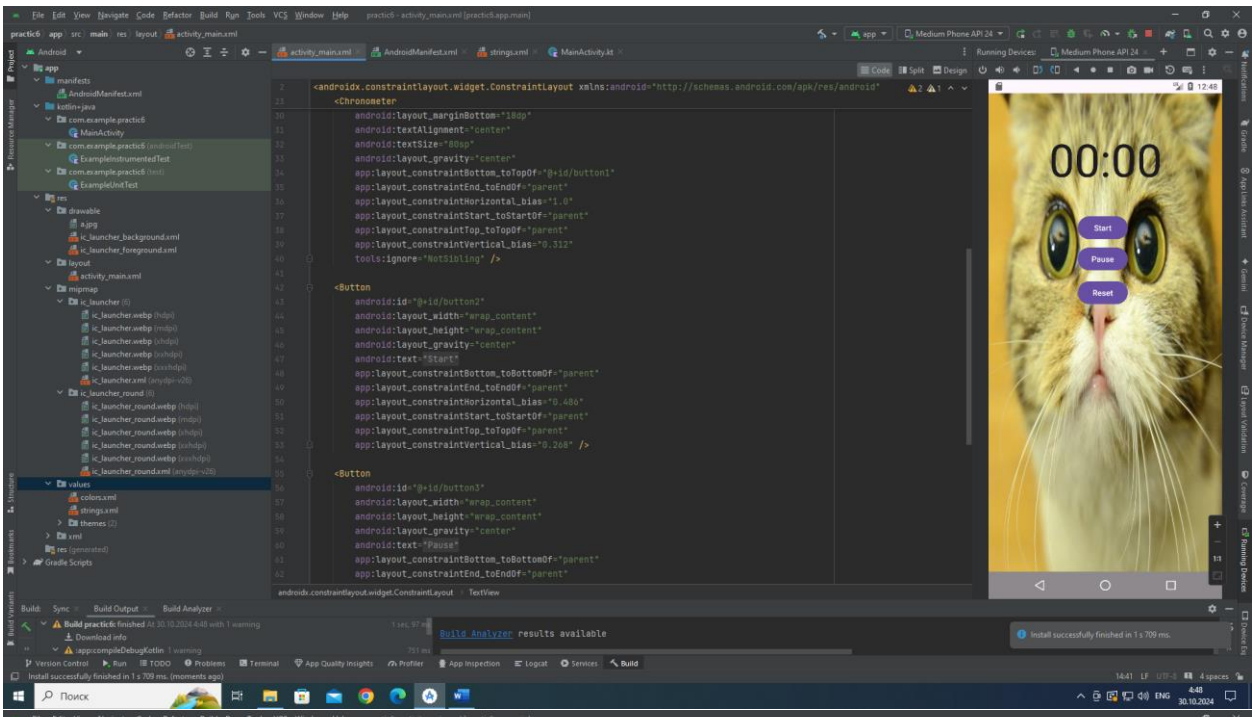
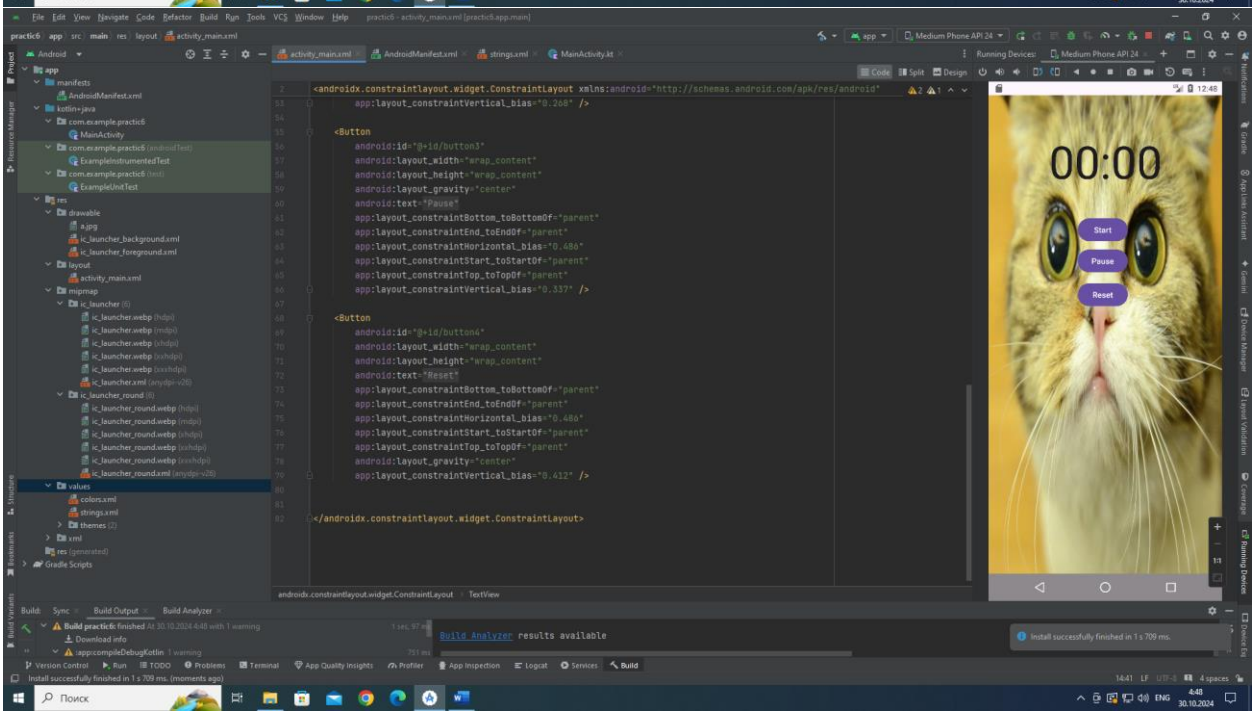
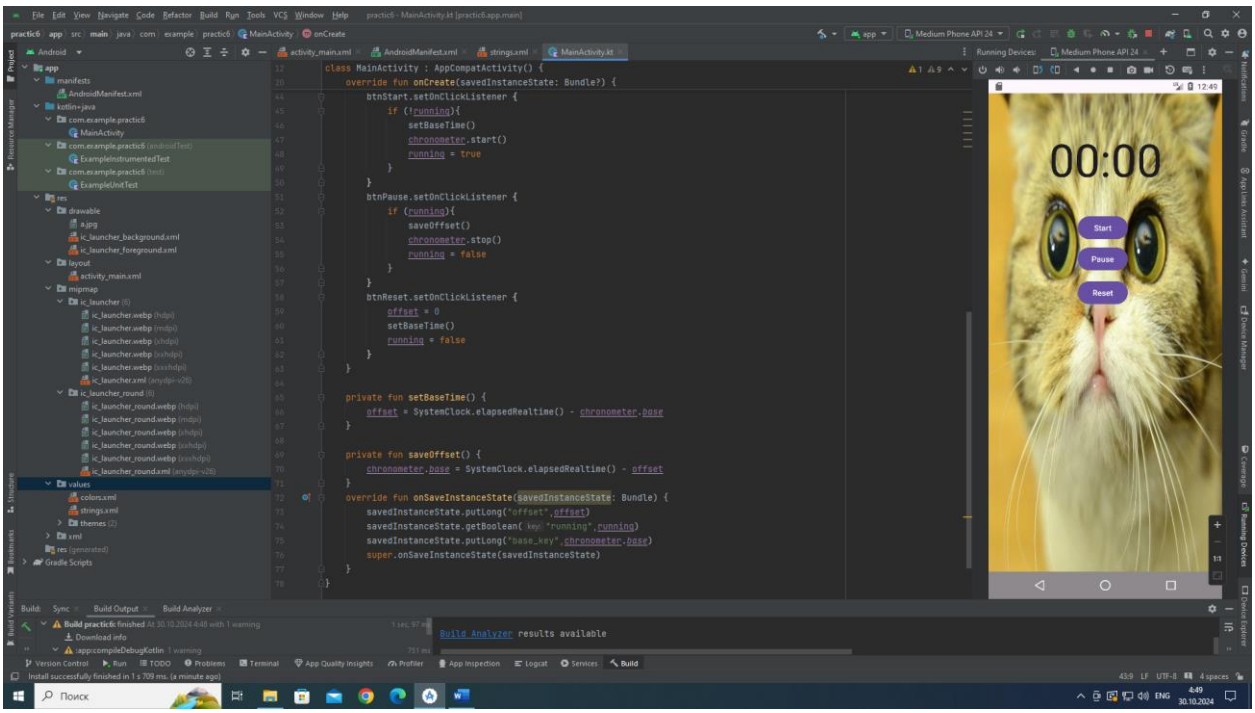
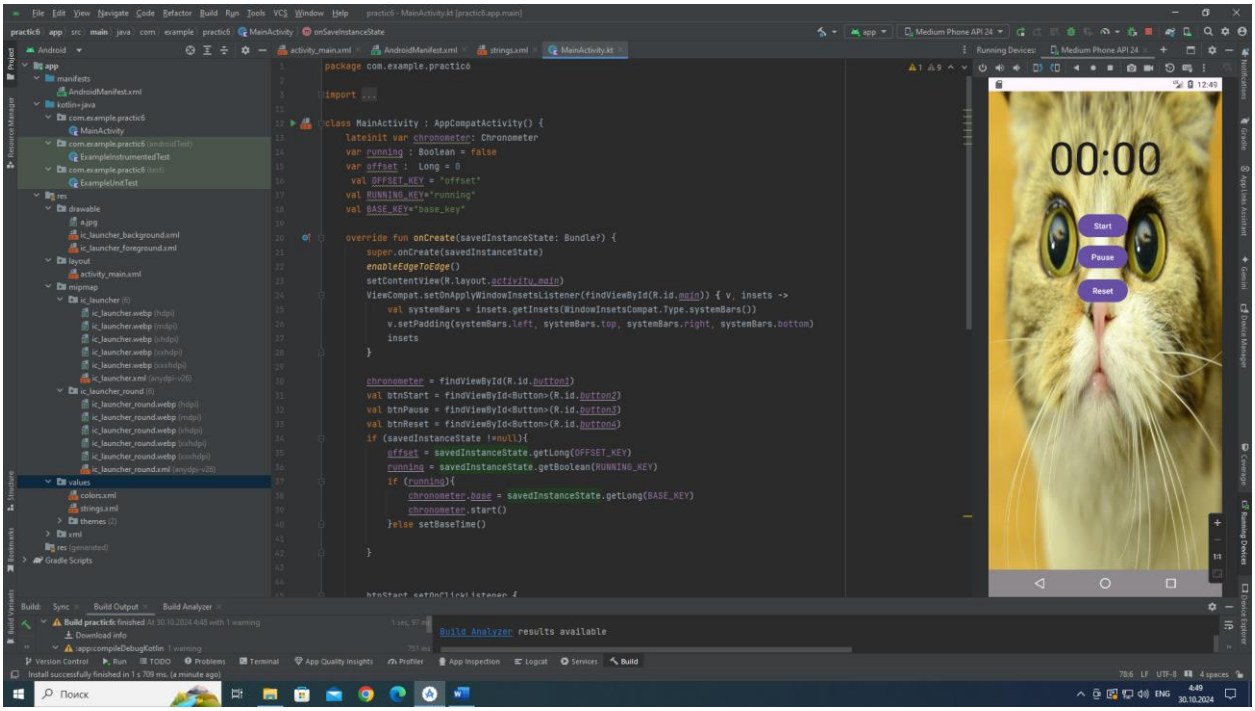
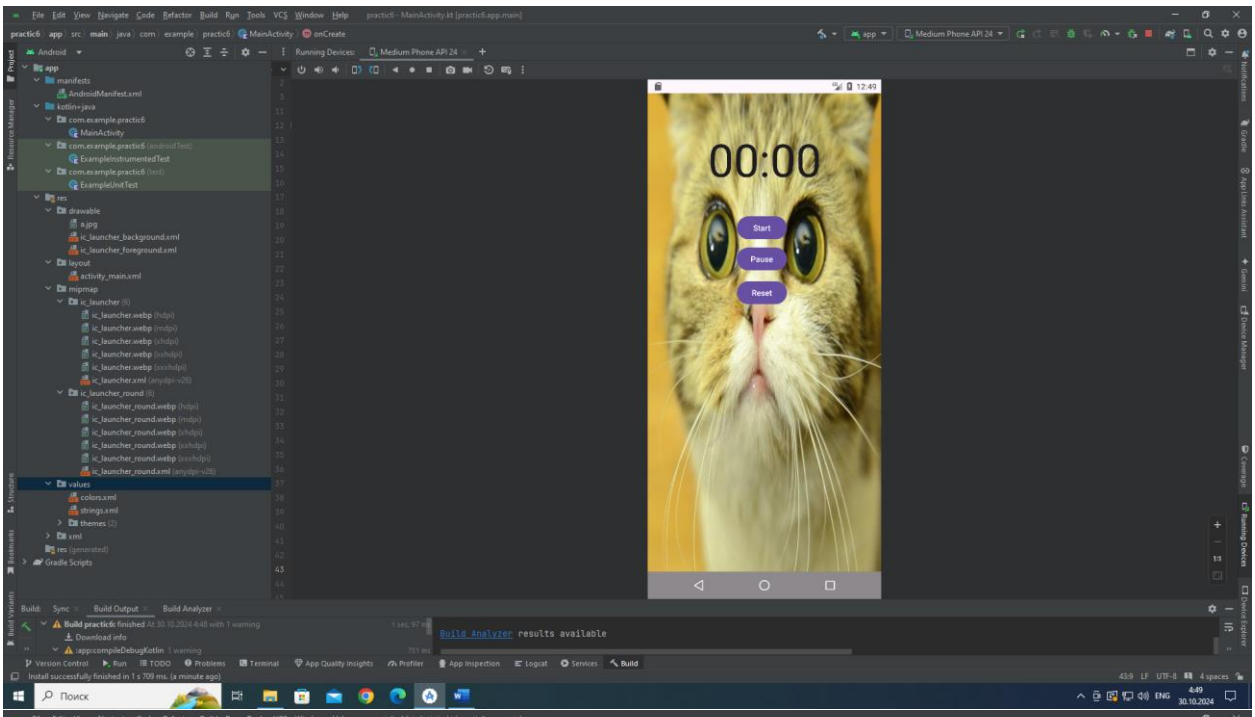
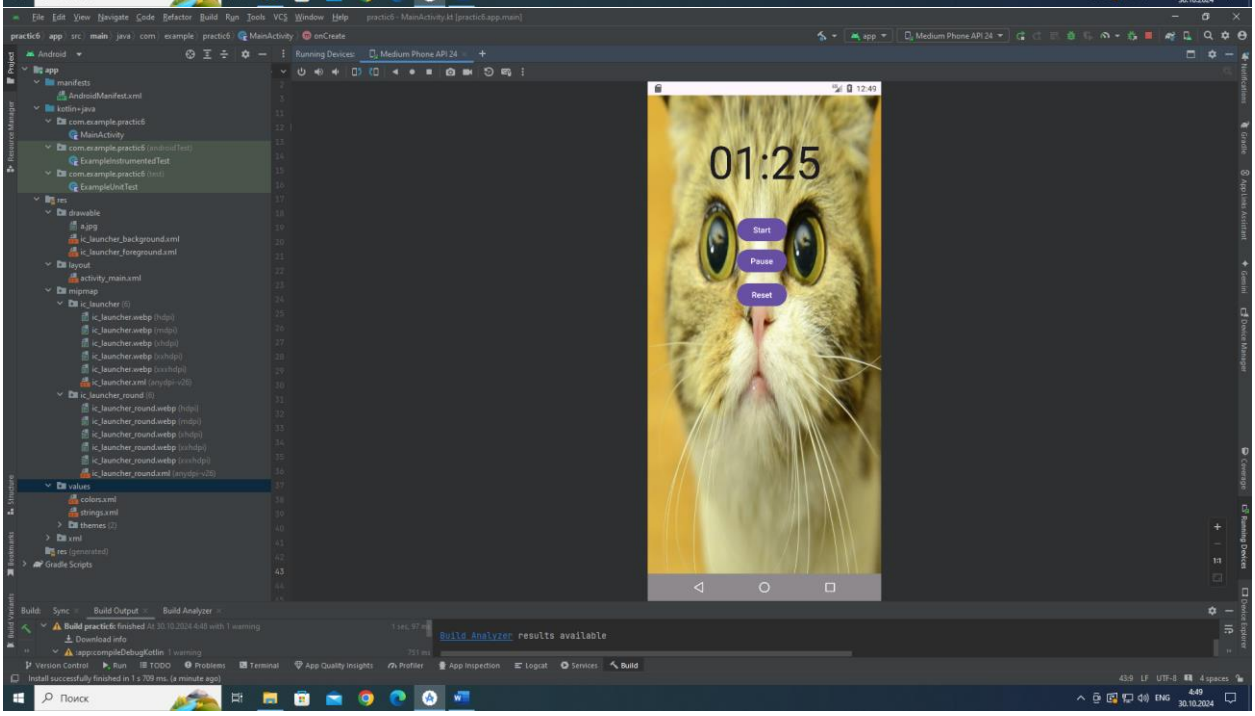

activity_main.xml
AndroidManifest.xml
strings.xml
MainActivity.kt
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
<Chronometer
android:layout_marginBottom="180dp"
android:textAlignment="center"
android:textSize="80sp"
android:layout_gravity="center"
app:layout_constraintBottom_toTopOf="@+id/button1"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="1.0"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.312"
tools:ignore="NotSibling" />
<Button
android:id="@+id/button2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_gravity="center"
android:text="Start"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.486"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.268" />
<Button
android:id="@+id/button3"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_gravity="center"
android:text="Pause"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
00:00
Start
Pause
Reset
Build Analyzer results available
Install successfully finished in 1 s 709 ms.

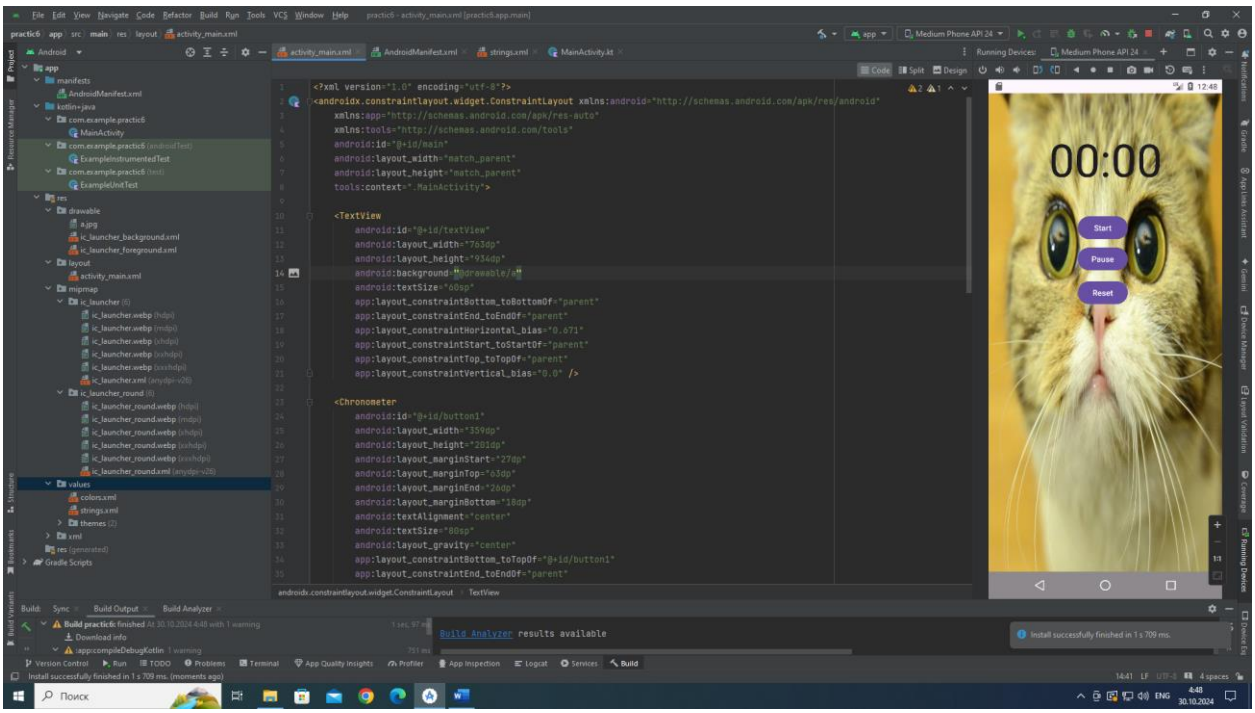

activity_main.xml
AndroidManifest.xml
strings.xml
MainActivity.kt
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
app:layout_constraintVertical_bias="0.268" />
<Button
android:id="@+id/button3"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_gravity="center"
android:text="Pause"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.486"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.337" />
<Button
android:id="@+id/button4"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Reset"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.486"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
android:layout_gravity="center"
app:layout_constraintVertical_bias="0.412" />
</androidx.constraintlayout.widget.ConstraintLayout>
00:00
Start
Pause
Reset
Build Analyzer results available
Install successfully finished in 1 s 709 ms.


class MainActivity : AppCompatActivity() {
override fun onCreate(savedInstanceState: Bundle?) {
btnStart.setOnClickListener {
if (!running){
setBaseTime()
chronometer.start()
running = true
}
}
btnPause.setOnClickListener {
if (running){
saveOffset()
chronometer.stop()
running = false
}
}
btnReset.setOnClickListener {
offset = 0
setBaseTime()
running = false
}
}
private fun setBaseTime() {
offset = SystemClock.elapsedRealtime() - chronometer.base
}
private fun saveOffset() {
chronometer.base = SystemClock.elapsedRealtime() - offset
}
override fun onSaveInstanceState(savedInstanceState: Bundle) {
savedInstanceState.putLong("offset",offset)
savedInstanceState.getBoolean(key: "running",running)
savedInstanceState.putLong("base_key",chronometer.base)
super.onSaveInstanceState(savedInstanceState)
}
}
00:00
Start
Pause
Reset


package com.example.practic6
import ...
class MainActivity : AppCompatActivity() {
lateinit var chronometer: Chronometer
var running : Boolean = false
var offset : Long = 0
val OFFSET_KEY = "offset"
val RUNNING_KEY="running"
val BASE_KEY="base_key"
override fun onCreate(savedInstanceState: Bundle?) {
super.onCreate(savedInstanceState)
enableEdgeToEdge()
setContentView(R.layout.activity_main)
ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main)) { v, insets ->
val systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars())
v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom)
insets
}
chronometer = findViewById(R.id.button1)
val btnStart = findViewById<Button>(R.id.button2)
val btnPause = findViewById<Button>(R.id.button3)
val btnReset = findViewById<Button>(R.id.button4)
if (savedInstanceState !=null){
offset = savedInstanceState.getLong(OFFSET_KEY)
running = savedInstanceState.getBoolean(RUNNING_KEY)
if (running){
chronometer.base = savedInstanceState.getLong(BASE_KEY)
chronometer.start()
}else setBaseTime()
}
00:00
Start
Pause
Reset


00:00
Start
Pause
Reset


01:25
Start
Pause
Reset


activity_main.xml
AndroidManifest.xml
strings.xml
MainActivity.kt
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout 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:id="@+id/main"
android:layout_width="match_parent"
android:layout_height="match_parent"
tools:context=".MainActivity">
<TextView
android:id="@+id/textView"
android:layout_width="763dp"
android:layout_height="934dp"
android:background="@drawable/a"
android:textSize="60sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintHorizontal_bias="0.671"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent"
app:layout_constraintVertical_bias="0.0" />
<Chronometer
android:id="@+id/button1"
android:layout_width="359dp"
android:layout_height="201dp"
android:layout_marginStart="27dp"
android:layout_marginTop="63dp"
android:layout_marginEnd="26dp"
android:layout_marginBottom="18dp"
android:textAlignment="center"
android:textSize="80sp"
android:layout_gravity="center"
app:layout_constraintBottom_toTopOf="@+id/button1"
app:layout_constraintEnd_toEndOf="parent"
00:00
Start
Pause
Reset
Build Analyzer results available
Install successfully finished in 1 s 709 ms.