Лаба 3

Дорошенко

Секундомер

Время до



Время после



Activity_main.xml

```
android:textColor="#000000"
        android:text="00:00"
    <LinearLayout
        android:layout_width="wrap_content"
        android:layout height="wrap content"
        android:orientation="horizontal"
        android:layout marginTop="20dp">
            android:layout width="wrap content"
            android:layout_height="wrap_content"
            android:layout width="wrap content"
            android:layout height="wrap content"
            android:layout marginEnd="10dp"
            android:textColor="#FFFFFFF"
            android:id="@+id/btnReset"
            android:text="@string/reset"
            android:textColor="#FFFFFF"
</LinearLayout>
```

MainActivity.kt

```
package com.example.sekundomer gleb
import android.os.SystemClock
import android.widget.Button
import android.widget.Chronometer
import androidx.appcompat.app.AppCompatActivity
import com.example.sekundomer gleb.R
class MainActivity : AppCompatActivity() {
        private const val OFFSET_KEY = "offset"
private const val RUNNING_KEY = "running"
```

```
private const val BASE KEY = "base"
override fun onCreate(savedInstanceState: Bundle?) {
    super.onCreate(savedInstanceState)
    setContentView(R.layout.activity main)
    chronometer = findViewById(R.id.textTime)
    val btnStart = findViewById<Button>(R.id.btnStart)
    val btnPause = findViewById<Button>(R.id.btnPause)
    val btnReset = findViewById<Button>(R.id.btnReset)
        isRunning = savedInstanceState.getBoolean(RUNNING KEY)
            chronometer.base = savedInstanceState.getLong(BASE KEY)
            setBaseTime()
    btnStart.setOnClickListener {
           setBaseTime()
            chronometer.start()
    btnPause.setOnClickListener {
           saveOffset()
            chronometer.stop()
        offset = 0
        setBaseTime()
        chronometer.stop()
    super.onSaveInstanceState(outState)
    outState.putLong(OFFSET KEY, offset)
    outState.putBoolean(RUNNING KEY, isRunning)
    outState.putLong(BASE KEY, chronometer.base)
override fun onPause() {
   super.onPause()
       saveOffset()
        chronometer.stop()
```

```
override fun onResume() {
    super.onResume()
    if (isRunning) {
        setBaseTime()
        chronometer.start()
    }
}

private fun saveOffset() {
    offset = SystemClock.elapsedRealtime() - chronometer.base
}

private fun setBaseTime() {
    chronometer.base = SystemClock.elapsedRealtime() - offset
}
```

strings.xml