Лабораторная Работа № 3

Секундомер

Activity.main.xml:

```
?xml version="1.0" encoding="utf-8"?>
    android:layout_width="match_parent"
android:layout_height="match_parent"
android:orientation="vertical"
          android:layout width="200dp"
         android:layout_width="wrap_content" android:layout_height="wrap_content" android:textSize="48sp"
          android:textColor="@color/white"
          android:layout width="200dp"
          android:layout_height="wrap_content"
android:text="@string/start"
         android:layout_gravity="center"
android:layout_margin="10dp"
          android:layout_margin="10dp"
          android:textColor="@color/white" />
          android:layout width="200dp"
          android:layout height="wrap content"
```

```
package com.example.kokosik
import androidx.appcompat.app.AppCompatActivity
import android.widget.Button
import android.widget.Chronometer
class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
       super.onCreate(savedInstanceState)
       setContentView(R.layout.activity main)
       chronometr = findViewById(R.id.textTime)
       val btnStart = findViewById<Button>(R.id.btnStart)
       val btnPause = findViewById<Button>(R.id.btnPause)
        if (savedInstanceState != null) {
            offset = savedInstanceState.getLong(OFFSET KEY)
            running = savedInstanceState.getBoolean(RUNNING KEY)
                chronometr.base = savedInstanceState.getLong(BASE KEY)
                setBaseTime()
               setBaseTime()
        btnPause.setOnClickListener {
               saveOffset()
```

```
btnReset.setOnClickListener {
      offset = 0
      setBaseTime()
      chronometr.stop()
      running = false
    }
}

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

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

override fun onSaveInstanceState(outState: Bundle) {
    super.onSaveInstanceState(outState: Bundle) {
      super.onSaveInstanceState(outState)
      outState.putLong(OFFSET_KEY, offset)
      outState.putBoolean(RUNNING_KEY, running)
      outState.putLong(BASE_KEY, chronometr.base)
}
```

Colors.xml: