**Цель**: написать приложение «Секундомер». Разобраться в работе жизненного цикла приложений.

#### MainActivity.kt:

```
import android.widget.Button
import android.widget.Chronometer
import androidx.appcompat.app.AppCompatActivity
class MainActivity : AppCompatActivity() {
   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)
       if (savedInstanceState != null) {
               chronometer.base = savedInstanceState.getLong(baseKey)
       btnPause.setOnClickListener {
               saveOffset()
               chronometer.stop()
```

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

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

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

override fun onSaveInstanceState(outState: Bundle) {
    outState.putLong(offsetKey, offset)
    outState.putBoolean(runningKey, running)
    outState.putLong(baseKey, chronometer.base)
    super.onSaveInstanceState(outState)
}
```

#### activity\_main.xml:

#### AndroidManifest.xml:

### strings.xml:

## build.gradle.kts:

```
plugins {
    id("com.android.application")
    id("org.jetbrains.kotlin.android")
}

android {
    namespace = "com.example.sekundomer_veronika"
    compileSdk = 34

defaultConfig {
```

# Результат:

