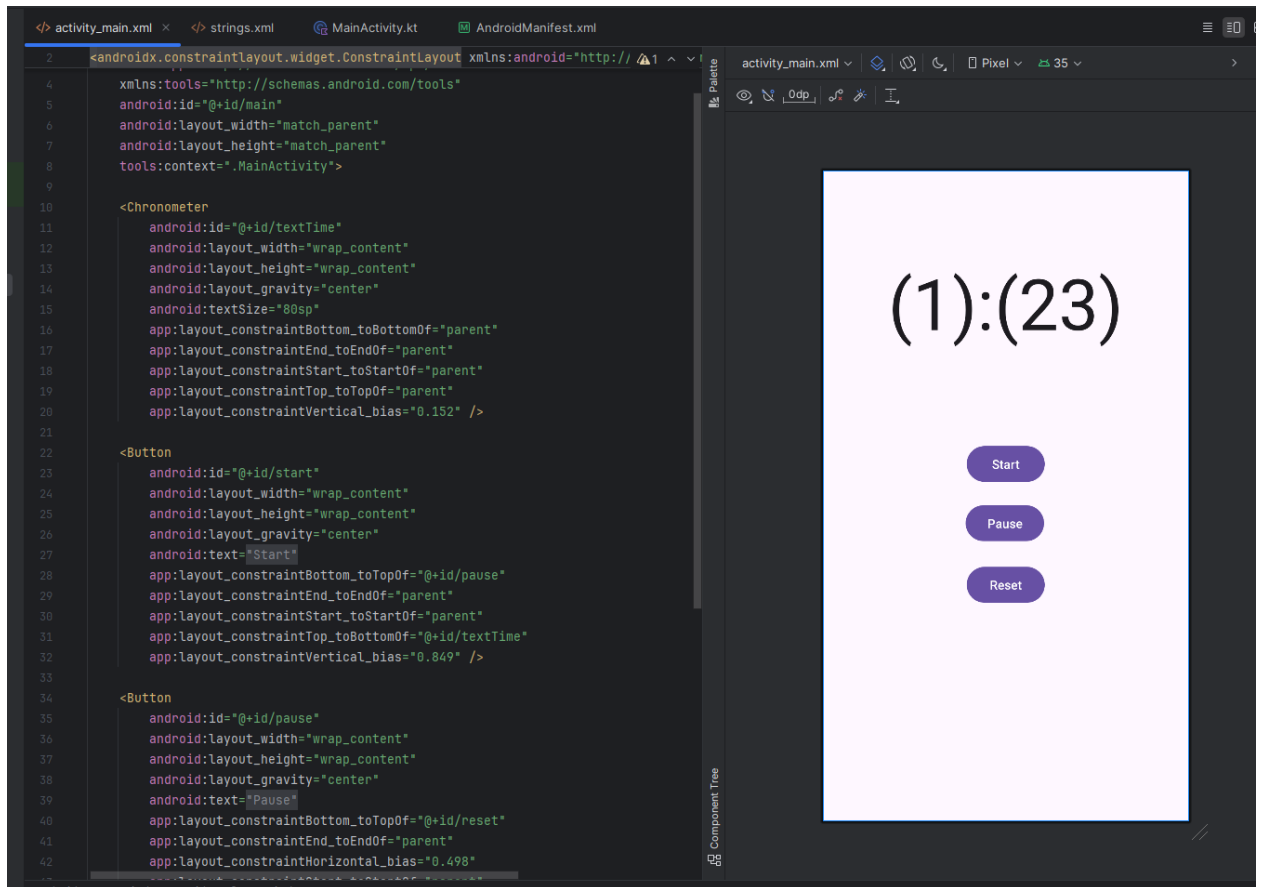


## Практическая работа 6

### 1. Создаем макет



### 2. Код

```
class MainActivity : AppCompatActivity() {  
  
    lateinit var chronometer: Chronometer  
    var timeWhenStopped: Long = 0  
    var running = false  
    var OFFSET_KEY = "offset"  
    val RUNNING_KEY = "running"  
    val BASE_KEY = "base_key"  
  
    override fun onCreate(savedInstanceState: Bundle?) {  
        setContentView(R.layout.activity_main)  
  
        chronometer = findViewById(R.id.textTime)  
  
        val start = findViewById<Button>(R.id.start)  
        val pause = findViewById<Button>(R.id.pause)  
        val reset = findViewById<Button>(R.id.reset)  
  
        super.onCreate(savedInstanceState)  
        enableEdgeToEdge()  
        start.setOnClickListener {  
            if (!running) {  
                chronometer.start()  
                chronometer.base = SystemClock.elapsedRealtime() + timeWhenStopped  
                running = true  
            }  
        }  
        pause.setOnClickListener {  
            if (running) {  
                chronometer.stop()  
                timeWhenStopped = chronometer.base - SystemClock.elapsedRealtime()  
                running = false  
            }  
        }  
    }  
}
```

```

46         reset.setOnClickListener {
47             chronometer.base = SystemClock.elapsedRealtime()
48             timeWhenStopped = 0
49         }
50     }
51     override fun onSaveInstanceState(savedInstanceState: Bundle) {
52         savedInstanceState.putLong("offset", timeWhenStopped)
53         savedInstanceState.putBoolean("running", running)
54         savedInstanceState.putLong("base_key", chronometer.base)
55         super.onSaveInstanceState(savedInstanceState)
56     }
57     override fun onRestoreInstanceState(savedInstanceState: Bundle) {
58         super.onRestoreInstanceState(savedInstanceState)
59         timeWhenStopped = savedInstanceState.getLong(OFFSET_KEY)
60         running = savedInstanceState.getBoolean(RUNNING_KEY)
61         if(running){
62             chronometer.base = savedInstanceState.getLong(BASE_KEY)
63             chronometer.start()
64         }
65         else {
66             chronometer.base = SystemClock.elapsedRealtime() + timeWhenStopped
67         }
68     }
69 }
70 }

```

### 3. Результат

