```
_main.xml 🔻 🏭 AndroidManifest.xml
                               ## strings.xml × @ MainActivity.kt
<androidx.constraintlayout.widget.Constraintlayout xmlns:android="http://schemas.android.com/apk/res</p>
   <Chronometer
       android:layout_marginBottom="18dp"
       android:textAlignment="center"
        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:layout_width="wrap_content"
       android:layout_height="wrap_content"
       android:layout_gravity="center"
        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:layout_width="wrap_content"
       android:layout_height="wrap_content"
        android:layout_gravity="center"
           :layout constraintEnd toEndOf='
```

```
<androidx.constraintlayout.widget.Constraintlayout xmlns:android=*http://schemas.android.com/apk/res</p>
       app:layout_constraintVertical_bias="0.268" />
   <Button
       android:layout_width="wrap_content"
       android:layout_height="wrap_content"
       android:layout_gravity="center"
       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:layout_width="wrap_content"
        android:layout_height="wrap_content"
       app:layout_constraintBottom_toBottomOf="parent"
       app:layout_constraintEnd_toEndOf="parent"
       app:layout_constraintTop_toTopOf="parent"
       android:layout_gravity="center'
        app:layout_constraintVertical_bias="0.412" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

```
class MainActivity : AppCompatActivity() {
    lateinit var chronometer: Chronometer
    val OFFSET_KEY = "offset"
   val RUNNING_KEY="running"
    override fun onCreate(savedInstanceState: Bundle?) {
       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)
        val btnStart = findViewById<Button>(R.id.<u>button2</u>)
        val btnPause = findViewById<Button>(R.id.button3)
        val btnReset = findViewById<Button>(R.id.button4)
           offset = savedInstanceState.getLong(OFFSET_KEY)
                chronometer.base = savedInstanceState.getLong(BASE_KEY)
                chronometer.start()
            }else setBaseTime()
```

```
class MainActivity : AppCompatActivity() {
   override fun onCreate(savedInstanceState: Bundle?) {
       btnStart.setOnClickListener {
               chronometer.start()
       btnPause.setOnClickListener {
               saveOffset()
               chronometer.stop()
          offset = 0
   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.putLong("base_key", chronometer.base)
```

```
<?xml version=*1.0* encoding="utf-8*?>
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/re</p>
   android:layout_width="match_parent"
    android:layout_height="match_parent"
   <TextView
        android:layout_width="763dp"
        android:layout_height="934dp"
        android:background="@drawable/a"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.0" />
    <Chronometer
        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:layout_gravity="center"
        app:layout_constraintBottom_toTopOf="@+id/button1"
        app:layout_constraintEnd_toEndOf="parent"
```