

Практическая работа по Android Studio №8

Пишем код для работы секундомера

Используем chronometr и батоны

У нас должно быть три батона

СТАРТ, ПАУЗА, РЕСТАРТ

Activity main xml:

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity"
    android:background="@drawable/fon">

    <Chronometer
        android:textColor="@color/white"
        android:background="@color/black"
        android:id="@+id/textTime"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:textSize="80sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.7"
        tools:ignore="MissingConstraints" />

    <Button
        android:backgroundTint="@color/black"
        android:id="@+id/btnStart"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
```

```
    android:text="@string/start"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.257"
    tools:ignore="MissingConstraints" />
```

<Button

```
    android:id="@+id/btnPause"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:backgroundTint="@color/black"
    android:text="@string/pause"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/btnStart"
    app:layout_constraintVertical_bias="0.0"
    tools:ignore="MissingConstraints" />
```

<Button

```
    android:id="@+id/btnReset"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:text="@string/reset"
    android:backgroundTint="@color/black"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@+id/btnPause"
    app:layout_constraintVertical_bias="0.0"
    tools:ignore="MissingConstraints" />
```

```
</androidx.constraintlayout.widget.ConstraintLayout>
```

Работа батонов:

```

btnStart.setOnClickListener {
    if(!running){
        setBaseTime()
        chronometer.start()
        running = true
    }
}

btnPause.setOnClickListener {
    if(running){
        saveOffset()
        chronometer.stop()
        running = false
    }
}

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

```

Тестируем



