1TO50

안드로이드 스튜디오

이제혁

SCP

Left panel:

Time

start | | stop

(5×5 grid of empty buttons)

Right panel:
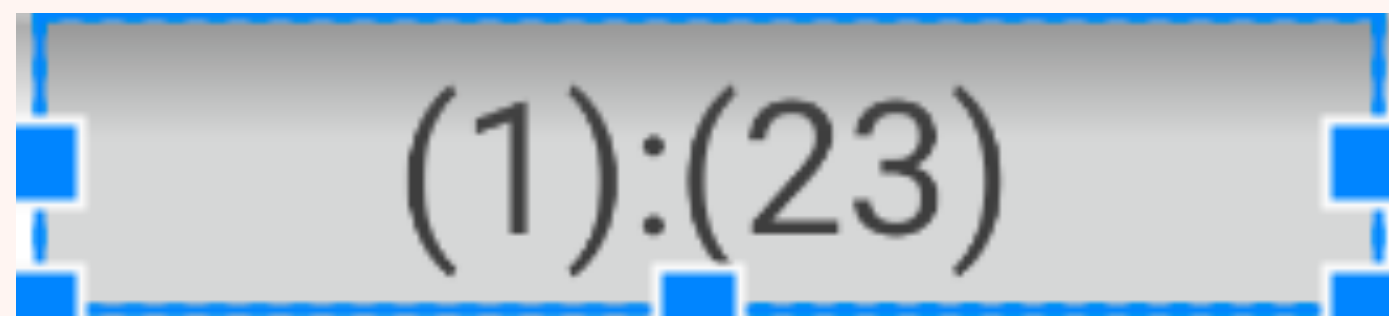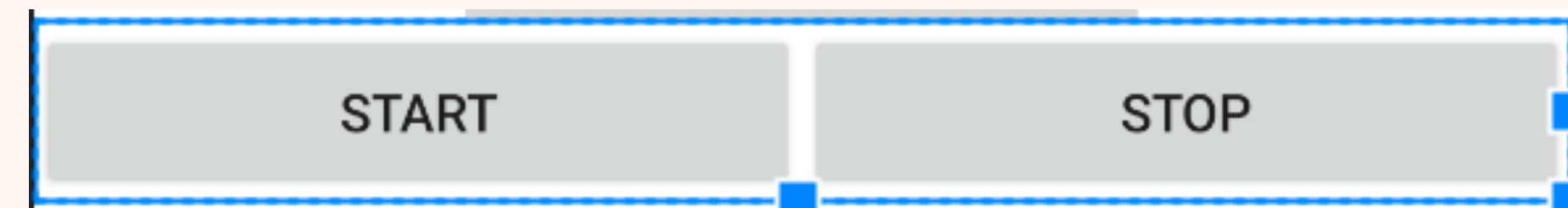
SUCCESS

Time

ok

```xml
<Chronometer
    android:id="@+id/chronometer"
    android:layout_width="180dp"
    android:layout_height="40dp"
    android:layout_gravity="center_horizontal"
    android:background="#D6D7D7"
    android:gravity="center"
    android:layerType="hardware"
    android:textColor="#3E3E3E"
    android:textSize="25dp" />
```

(1):(23)

```xml
<androidx.appcompat.widget.AppCompatButton
    android:id="@+id/button_start"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:text="Start" />

<androidx.appcompat.widget.AppCompatButton
    android:id="@+id/button_stop"
    android:layout_width="0dp"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:text="Stop" />
```

START   STOP

```xml
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">

    <androidx.appcompat.widget.AppCompatButton
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_margin="2dp"
        android:layout_weight="1"
        android:textSize="36sp"
        android:textStyle="bold" />

    <androidx.appcompat.widget.AppCompatButton
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_margin="2dp"
        android:layout_weight="1"
        android:textSize="36sp"
        android:textStyle="bold" />

    <androidx.appcompat.widget.AppCompatButton
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_margin="2dp"
        android:layout_weight="1"
        android:textSize="36sp"
        android:textStyle="bold" />

    <androidx.appcompat.widget.AppCompatButton
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_margin="2dp"
        android:layout_weight="1"
        android:textSize="36sp"
        android:textStyle="bold" />

    <androidx.appcompat.widget.AppCompatButton
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_margin="2dp"
        android:layout_weight="1"
        android:textSize="36sp
```

```java
button_start.setOnClickListener(new Button.OnClickListener() {
    public void onClick(View v){
        chronometer.start();
        Integer[] array = {1,2,3,4,5,6,7,8,9,10,
                11,12,13,14,15,16,17,18,19,20,
                21,22,23,24,25};
        List<Integer> list = Arrays.asList(array);
        Collections.shuffle(list);
        list.toArray(array);

        button_0.setText(array[0].toString());
        button_1.setText(array[1].toString());
        button_2.setText(array[2].toString());
        button_3.setText(array[3].toString());
        button_4.setText(array[4].toString());
        button_5.setText(array[5].toString());
        button_6.setText(array[6].toString());
        button_7.setText(array[7].toString());
        button_8.setText(array[8].toString());
        button_9.setText(array[9].toString());

        button_10.setText(array[10].toString());
        button_11.setText(array[11].toString());
        button_12.setText(array[12].toString());
        button_13.setText(array[13].toString());
        button_14.setText(array[14].toString());
        button_15.setText(array[15].toString());
        button_16.setText(array[16].toString());
        button_17.setText(array[17].toString());
        button_18.setText(array[18].toString());
        button_19.setText(array[19].toString());

        button_20.setText(array[20].toString());
        button_21.setText(array[21].toString());
        button_22.setText(array[22].toString());
        button_23.setText(array[23].toString());
        button_24.setText(array[24].toString());

    }
});
```

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이제혁

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