03

o3-1. LinearLayout

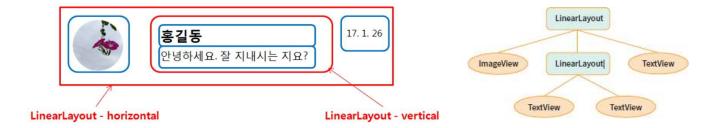
**Layout Programming** 

#### LinearLayout 소개

• LinearLayout은 뷰를 순서대로 가로나 세로 방향으로 나열, 방향을 지정하는 orientation 속성을 제공

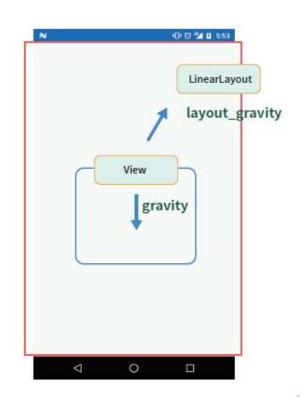
```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
                                                                         12:15 💠 🕛 🗊
    android:layout_width="match parent"
                                                                         Part2_4
    android:layout height="match parent"
    android:orientation="vertical">
                                                                         BUTTON 1
                                                                         BUTTON 2
    <Button
        android:layout width="wrap content"
                                                                         12:16 💠 🕛 🗊
                                                                                                 ▼⊿I B
        android:layout height="wrap content"
        android:text="Button 1"/>
                                                                         Part2 4
    <Button
                                                                         BUTTON 1 BUTTON 2
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:text="Button 2"/>
</LinearLayout>
```

#### 레이아웃 중첩



#### LinearLayout 속성

- gravity, layout gravity
  - gravity 속성은 뷰의 내용을 뷰 영역 내에서 어디에
  - layout\_gravity 속성은 뷰를 LinearLayout 영역 내에서 어디에



LinearLayout 속성

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    android:layout width="match parent"
    android:layout height="match parent"
    android:orientation="vertical">
    <TextView
        android:layout width="150dp"
        android:layout height="150dp"
        android:text="HelloWorld"
        android:background="#FF0000"
        android:textColor="#FFFFFF"
        android:layout gravity="center_vertical|center_horizontal"
        android:gravity="bottom|right"/>
</LinearLayout>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    android:layout width="match parent"
    android:layout height="match parent"
    android:orientation="vertical"
    android:gravity="center">
</LinearLayout>
```

\_\_\_\_\_\_

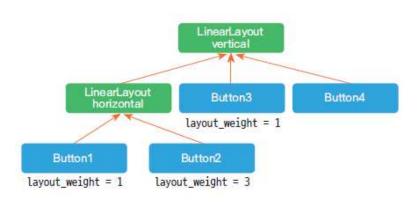
#### LinearLayout 속성

• weight : 여백확장, 값은 절대적 수치가 아닌 상대적으로 계산되는 값

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    android:layout width="match parent"
    android:layout height="match parent"
    android:orientation="vertical">
    <TextView
                                                                           Part2_4
        android:layout width="match parent"
        android:layout height="0dp"
        android:layout weight="1"
        android:background="#FF0000"/>
    <TextView
        android:layout width="match parent"
        android:layout height="0dp"
        android:layout weight="2"
        android:background="#00FF00"/>
    <TextView
        android:layout width="match parent"
        android:layout height="0dp"
        android:layout weight="1"
        android:background="#0000FF"/>
</LinearLayout>
```

• 중첩된 레이아웃에서 여백 채우기

```
• 중첩된 레이아웃에서 여백 채우기
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    android: layout_width="match_parent"
    android: layout_height="match_parent"
    android:orientation="vertical">
    KLinearLayout
        android: layout_width="match_parent"
        android: layout_height="wrap_content"
        android:orientation="horizontal">
        KButton
           android:layout_width="wrap_content"
           android:layout_height="wrap_content"
                                                        ▶실행 결과
            android:layout weight="1"
           android:text="BUTTON1" />
        KButton
           android: layout_width="wrap_content"
           android: layout_height="wrap_content"
            android:layout_weight="3"
            android:text="BUTTON2" />
    </LinearLayout>
    KButton
        android: layout_width="match_parent"
        android: layout_height="wrap_content"
        android:text="BUTTON3"
        android: layout weight="1" />
    CButton
        android: layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="BUTTON4" />
</LinearLayout>
```





# 감사합니다

단단히 마음먹고 떠난 사람은 산꼭대기에 도착할 수 있다. 산은 올라가는 사람에게만 정복된다.

> 윌리엄 셰익스피어 William Shakespeare