스마트폰프로그래밍

Assign #1

(과제명 : LinearLayout 연습)

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본인은 타인이나 다른 매체를 도용하지 않았음을 확인합니다 <본인사인>

1.1

activity\_main.xml

*<?***xml version="1.0" encoding="utf-8"***?>*<**LinearLayout  
 xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context="com.example.kimji\_min.assignment11\_1.MainActivity"  
 android:orientation="vertical"  
 android:gravity="fill\_horizontal"  
 android:weightSum="1"**>  
  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:gravity="center"  
 android:orientation="vertical"  
 android:layout\_weight="0.25"**>  
  
 <**Button  
 android:id="@+id/button1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/버튼1"** />  
  
 <**Button  
 android:id="@+id/button2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/버튼2"** />  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:gravity="center"  
 android:orientation="horizontal"  
 android:layout\_weight="0.50"**>  
  
 <**Button  
 android:id="@+id/button3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/버튼3"** />  
  
 <**Button  
 android:id="@+id/button4"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/버튼4"** />  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:gravity="center"  
 android:orientation="vertical"  
 android:layout\_weight="0.25"**>  
  
 <**Button  
 android:id="@+id/button5"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/버튼5"** />  
  
 <**Button  
 android:id="@+id/button6"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/버튼6"** />  
 </**LinearLayout**>  
  
</**LinearLayout**>

1.2

MainActivity.java

**package** com.example.kimji\_min.assignment11\_2;  
  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.Gravity;  
**import** android.view.ViewGroup;  
**import** android.widget.Button;  
**import** android.widget.LinearLayout;  
  
**public class** MainActivity **extends** AppCompatActivity {  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
  
 LinearLayout manager = **new** LinearLayout(**this**);  
 manager.setOrientation(LinearLayout.***VERTICAL***);  
  
  
  
  
 LinearLayout slave1 = **new** LinearLayout(**this**);  
 LinearLayout.LayoutParams position1 = **new** LinearLayout.LayoutParams(ViewGroup.LayoutParams.***MATCH\_PARENT***, ViewGroup.LayoutParams.***WRAP\_CONTENT***);  
 slave1.setOrientation(LinearLayout.***VERTICAL***);  
 slave1.setLayoutParams(position1);  
  
 Button button1 = **new** Button(**this**);  
 button1.setText(**"버튼1"**);  
 Button button2 = **new** Button(**this**);  
 button2.setText(**"버튼2"**);  
  
 slave1.addView(button1, position1);  
 slave1.addView(button2, position1);  
  
  
 LinearLayout slave2 = **new** LinearLayout(**this**);  
 LinearLayout.LayoutParams position2 = **new** LinearLayout.LayoutParams(ViewGroup.LayoutParams.***MATCH\_PARENT***, ViewGroup.LayoutParams.***WRAP\_CONTENT***);  
 slave2.setOrientation(LinearLayout.***HORIZONTAL***);  
 slave2.setLayoutParams(position2);  
  
 Button button3 = **new** Button(**this**);  
 button3.setText(**"버튼3"**);  
 Button button4 = **new** Button(**this**);  
 button4.setText(**"버튼4"**);  
  
 slave2.addView(button3, position2);  
 slave2.addView(button4, position2);  
  
 LinearLayout slave3 = **new** LinearLayout(**this**);  
 LinearLayout.LayoutParams position3 = **new** LinearLayout.LayoutParams(ViewGroup.LayoutParams.***MATCH\_PARENT***, ViewGroup.LayoutParams.***WRAP\_CONTENT***);  
 slave3.setOrientation(LinearLayout.***VERTICAL***);  
 slave3.setLayoutParams(position3);  
  
 Button button5 = **new** Button(**this**);  
 button5.setText(**"버튼5"**);  
 Button button6 = **new** Button(**this**);  
 button6.setText(**"버튼6"**);  
  
 slave3.addView(button5, position3);  
 slave3.addView(button6, position3);  
  
 LinearLayout.LayoutParams final\_position = **new** LinearLayout.LayoutParams(ViewGroup.LayoutParams.***WRAP\_CONTENT***, ViewGroup.LayoutParams.***WRAP\_CONTENT***);  
 final\_position.**gravity** = Gravity.***CENTER***;  
 final\_position.**topMargin** = 90;  
 final\_position.**bottomMargin** = 50;  
  
 manager.addView(slave1, final\_position);  
 manager.addView(slave2, final\_position);  
 manager.addView(slave3, final\_position);  
 setContentView(manager);  
 }  
}

1.2

activity\_main.xml

*<?***xml version="1.0" encoding="utf-8"***?>*<**LinearLayout 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/LayoutManager"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context="com.example.kimji\_min.assignment12\_1.MainActivity"  
 android:gravity="center"**>  
  
 <**Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/BUTTON"  
 android:onClick="onClick"**/>  
  
</**LinearLayout**>

MainActivity.java

**package** com.example.kimji\_min.assignment12\_1;  
  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.LinearLayout;  
  
**public class** MainActivity **extends** AppCompatActivity {  
  
 LinearLayout **manager**;  
 Button **button**;  
 **int n**=1;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 **manager** = (LinearLayout)findViewById(R.id.***LayoutManager***);  
 **button** = (Button)findViewById(R.id.***button***);  
 **button**.setOnClickListener(**colorHandler**);  
 **manager**.setBackgroundResource(R.color.***RED***);  
 }  
  
 View.OnClickListener **colorHandler** = **new** View.OnClickListener() {  
 **public void** onClick(View view) {  
 **if** (**n** == 1) {  
 **manager**.setBackgroundResource(R.color.***BLUE***);  
 **n** = 2;  
 } **else if** (**n** == 2) {  
 **manager**.setBackgroundResource(R.color.***RED***);  
 **n** = 1;  
 }  
 }  
 };  
}







