# Layout的相关测试

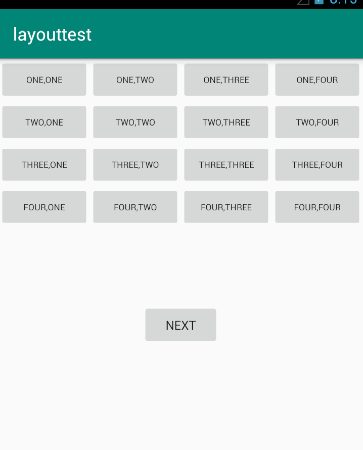
## 线性布局

使用线性布局实现如下界面：

代码：

*<?***xml version="1.0" encoding="utf-8"***?>*<**android.support.constraint.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:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity"**>  
  
 <**Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="NEXT"  
 android:id="@+id/next1"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"** >  
 <**TableLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"**>  
 <**TableRow**>  
 <**Button  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/btn\_one"  
 android:layout\_weight="1"  
 android:textSize="10dp"  
 android:text="one,one"**/>  
 <**Button  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/btn\_two"  
 android:layout\_weight="1"  
 android:textSize="10dp"  
 android:text="one,two"**/>  
 <**Button  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/btn\_three"  
 android:layout\_weight="1"  
 android:textSize="10dp"  
 android:text="one,three"**/>  
 <**Button  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/btn\_four"  
 android:layout\_weight="1"  
 android:textSize="10dp"  
 android:text="one,four"**/></**TableRow**>  
 <**TableRow**>  
 <**Button  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/btn\_5"  
 android:layout\_weight="1"  
 android:textSize="10dp"  
 android:text="two,one"**/>  
 <**Button  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/btn\_6"  
 android:layout\_weight="1"  
 android:textSize="10dp"  
 android:text="two,two"**/>  
 <**Button  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/btn\_7"  
 android:layout\_weight="1"  
 android:textSize="10dp"  
 android:text="two,three"**/>  
 <**Button  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/btn\_8"  
 android:layout\_weight="1"  
 android:textSize="10dp"  
 android:text="two,four"**/>  
 </**TableRow**>  
 <**TableRow**>  
 <**Button  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/btn\_9"  
 android:layout\_weight="1"  
 android:textSize="10dp"  
 android:text="three,one"**/>  
 <**Button  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/btn\_10"  
 android:layout\_weight="1"  
 android:textSize="10dp"  
 android:text="three,two"**/>  
 <**Button  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/btn\_11"  
 android:layout\_weight="1"  
 android:textSize="10dp"  
 android:text="three,three"**/>  
 <**Button  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/btn\_12"  
 android:layout\_weight="1"  
 android:textSize="10dp"  
 android:text="three,four"**/>  
 </**TableRow**>  
 <**TableRow**>  
 <**Button  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/btn\_13"  
 android:layout\_weight="1"  
 android:textSize="10dp"  
 android:text="four,one"**/>  
 <**Button  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/btn\_14"  
 android:layout\_weight="1"  
 android:textSize="10dp"  
 android:text="four,two"**/>  
 <**Button  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/btn\_15"  
 android:layout\_weight="1"  
 android:textSize="10dp"  
 android:text="four,three"**/>  
 <**Button  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/btn\_16"  
 android:layout\_weight="1"  
 android:textSize="10dp"  
 android:text="four,four"**/>  
 </**TableRow**>  
 </**TableLayout**>  
 </**LinearLayout**>  
  
</**android.support.constraint.ConstraintLayout**>

截图：



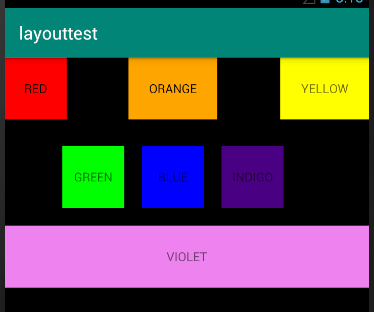
## ConstraintLayout布局

使用ConstraintLayout实现如下界面:

代码如下：

*<?***xml version="1.0" encoding="utf-8"***?>*<**android.support.constraint.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:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="#000000"  
 tools:context=".Main2Activity"**>  
 <**TextView  
 android:id="@+id/test2\_text1"  
 android:layout\_width="70dp"  
 android:layout\_height="70dp"  
 android:layout\_marginTop="0dp"  
 android:layout\_marginLeft="0dp"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 android:text="RED"  
 android:textColor="#000000"  
 android:gravity="center"** />  
 <**TextView  
 android:id="@+id/test2\_text2"  
 android:layout\_width="100dp"  
 android:layout\_height="70dp"  
 android:layout\_marginTop="0dp"  
 android:layout\_marginLeft="140dp"  
 app:layout\_constraintLeft\_toLeftOf="@+id/test2\_text1"  
 android:text="ORANGE"  
 android:textColor="#000000"  
 android:gravity="center"** />  
 <**TextView  
 android:id="@+id/test2\_text3"  
 android:layout\_width="100dp"  
 android:layout\_height="70dp"  
 android:layout\_marginTop="0dp"  
 android:layout\_marginRight="0dp"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 android:text="YELLOW"  
 android:gravity="center"** />  
 <**TextView  
 android:id="@+id/test2\_text4"  
 android:layout\_width="70dp"  
 android:layout\_height="70dp"  
 app:layout\_constraintCircle="@id/test2\_text2"  
 app:layout\_constraintCircleAngle="180"  
 app:layout\_constraintCircleRadius="100dp"  
 android:text="BLUE"  
 android:gravity="center"** />  
 <**TextView  
 android:id="@+id/test2\_text5"  
 android:layout\_width="70dp"  
 android:layout\_height="70dp"  
 app:layout\_constraintCircle="@id/test2\_text4"  
 app:layout\_constraintCircleAngle="270"  
 app:layout\_constraintCircleRadius="90dp"  
 android:text="GREEN"  
 android:gravity="center"** />  
 <**TextView  
 android:id="@+id/test2\_text6"  
 android:layout\_width="70dp"  
 android:layout\_height="70dp"  
 app:layout\_constraintCircle="@id/test2\_text4"  
 app:layout\_constraintCircleAngle="90"  
 app:layout\_constraintCircleRadius="90dp"  
 android:text="INDIGO"  
 android:gravity="center"** />  
 <**TextView  
 android:id="@+id/test2\_text7"  
 android:layout\_width="match\_parent"  
 android:layout\_height="70dp"  
 app:layout\_constraintCircle="@id/test2\_text4"  
 app:layout\_constraintCircleAngle="180"  
 app:layout\_constraintCircleRadius="90dp"  
 android:text="VIOLET"  
 android:gravity="center"**/>  
 <**Button  
 android:id="@+id/but1"  
 android:layout\_width="70dp"  
 android:layout\_height="40dp"  
 app:layout\_constraintCircle="@id/test2\_text7"  
 app:layout\_constraintCircleAngle="180"  
 app:layout\_constraintCircleRadius="90dp"  
 android:text="NEXT"** />  
  
</**android.support.constraint.ConstraintLayout**>

截图：



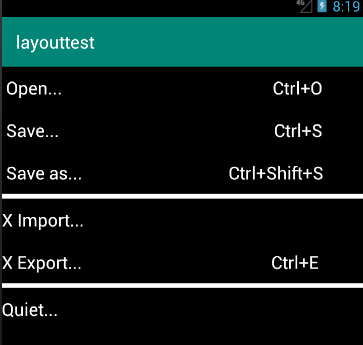
## 表格布局

使用表格布局实现如下界面：

代码:

*<?***xml version="1.0" encoding="utf-8"***?>*<**TableLayout 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:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="#000000"  
 android:stretchColumns="0"  
 tools:context=".Main3Activity"**>  
  
 <**TableRow  
 android:id="@+id/row1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"**>  
  
 <**Button  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="#000000"  
 android:text=" Open... Ctrl+O"  
 android:textSize="20dp"  
 android:gravity="center\_vertical"  
 android:textAllCaps="false"  
 android:textColor="#FFFFFF"** />  
 </**TableRow** >  
 <**TableRow  
 android:id="@+id/row2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"**>  
 <**Button  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="#000000"  
 android:text=" Save... Ctrl+S"  
 android:textSize="20dp"  
 android:gravity="center\_vertical"  
 android:textAllCaps="false"  
 android:textColor="#FFFFFF"**/>  
  
 </**TableRow**>  
 <**TableRow  
 android:id="@+id/row3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"**>  
 <**Button  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="#000000"  
 android:textSize="20dp"  
 android:text=" Save as... Ctrl+Shift+S"  
 android:gravity="center\_vertical"  
 android:textAllCaps="false"  
 android:textColor="#FFFFFF"**/>  
  
 </**TableRow**>  
 <**TableRow  
 android:id="@+id/ow4"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"**>  
 <**TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="5dp"  
 android:background="#FFFFFF"** />  
  
 </**TableRow**>  
 <**TableRow  
 android:id="@+id/row5"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"**>  
 <**Button  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="#000000"  
 android:text="X Import... "  
 android:textSize="20dp"  
 android:gravity="center\_vertical"  
 android:textAllCaps="false"  
 android:textColor="#FFFFFF"**/>  
  
 </**TableRow**>  
 <**TableRow  
 android:id="@+id/row6"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"**>  
 <**Button  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="#000000"  
 android:text="X Export... Ctrl+E"  
 android:textSize="20dp"  
 android:gravity="center\_vertical"  
 android:textAllCaps="false"  
 android:textColor="#FFFFFF"**/>  
  
 </**TableRow**>  
 <**TableRow  
 android:id="@+id/row7"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"**>  
 <**TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="5dp"  
 android:background="#FFFFFF"** />  
  
 </**TableRow**>  
 <**TableRow  
 android:id="@+id/row8"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"**>  
 <**Button  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="#000000"  
 android:text="Quiet... "  
 android:textSize="20dp"  
 android:gravity="center\_vertical"  
 android:textAllCaps="false"  
 android:textColor="#FFFFFF"**/>  
  
 </**TableRow**>  
</**TableLayout**>

结果如下:



本次实验结束。