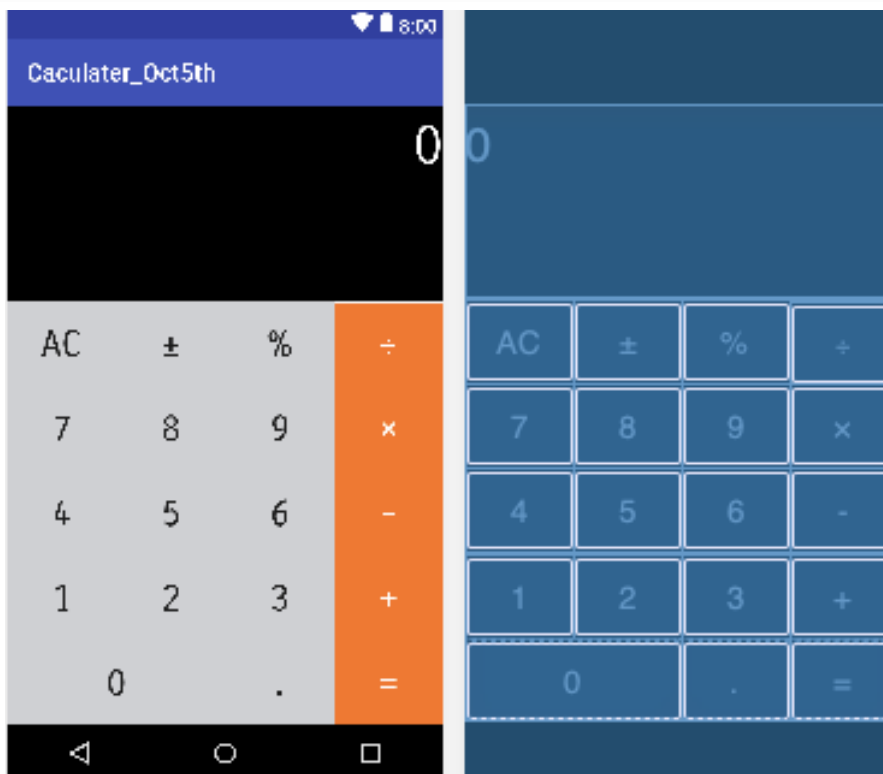


# Android應用程式專案開發與社群媒體應用 作業一

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## 1.拉出配置

(1) 基底選擇ConstraintLayout，然後ConstraintLayout的大小等於螢幕大小，在ConstraintLayout中加入linear layout(vertical)，第一列放text元件，第二列開始放linear layout(horizontal)，並將按鈕放入linear layout(horizontal)中




## 2.xml文件與androidstudio專案

(1) edit text標籤改成TextView使其不可編輯(計算機顯示的部分)  
並多打一行gravity="right"，使文字靠右對齊

```
<TextView
    android:id="@+id/sumText1"
    android:layout_width="match_parent"
    android:layout_height="30dp"
    android:layout_weight="1"
    android:background="@android:color/background_dark"
    android:fontFamily="sans-serif-smallcaps"
    android:gravity="right"
    android:hint="請輸入數字"
    android:maxLines="1"
    android:singleLine="true"
    android:text="0"
    android:textColor="@android:color/background_light"
    android:textSize="45dp"
    tools:layout_editor_absoluteX="16dp"
    tools:layout_editor_absoluteY="211dp" />
```

(2) 在res文件下，values，colors.xml 裡參考色碼表設置多種顏色

```
<?xml version="1.0" encoding="utf-8"?>
<resources>
    <color name="colorPrimary">#3F51B5</color>
    <color name="colorPrimaryDark">#303F9F</color>
    <color name="colorAccent">#FF4081</color>
     <color name="caculatorOrange">#ff7b00</color>
    <color name="caculatorGray">#cfd0d3</color>
</resources>
```

(3)旋轉螢幕的處理事件

```

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    sumText = (TextView)findViewById(R.id.sumText1);

    if (this.getResources().getConfiguration().orientation == Configuration.ORIENTATION_LANDSCAPE) {
        Log.i( tag: "info", msg: "landscape"); // horizontal screen
        setContentView(R.layout.changed_view);

        Intent intent1=new Intent( packageContext: MainActivity.this,SecondActivity.class); //建立一個intent
        sumText = (TextView)findViewById(R.id.sumText1);
        passValue = sumText.getText().toString();

        startActivity(intent1);
        finish();
    }
    else if (this.getResources().getConfiguration().orientation == Configuration.ORIENTATION_PORTRAIT) {
        Log.i( tag: "info", msg: "portrait"); // vertical screen
        setContentView(R.layout.activity_main);
    }
}

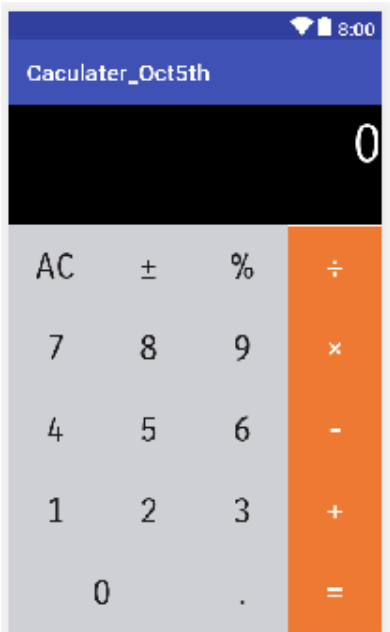
```

每次旋轉會切換頁面，橫螢幕會切換到工程計算機

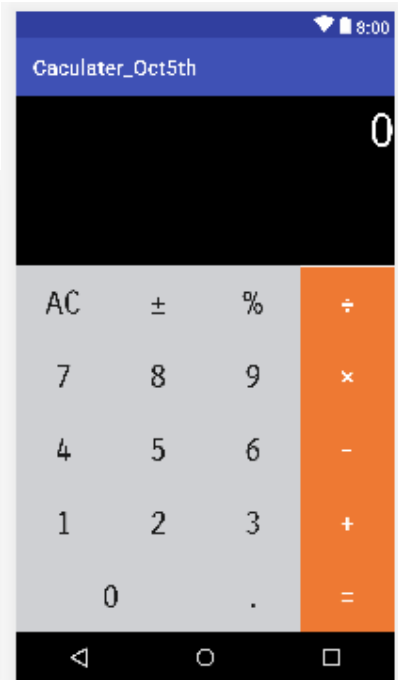
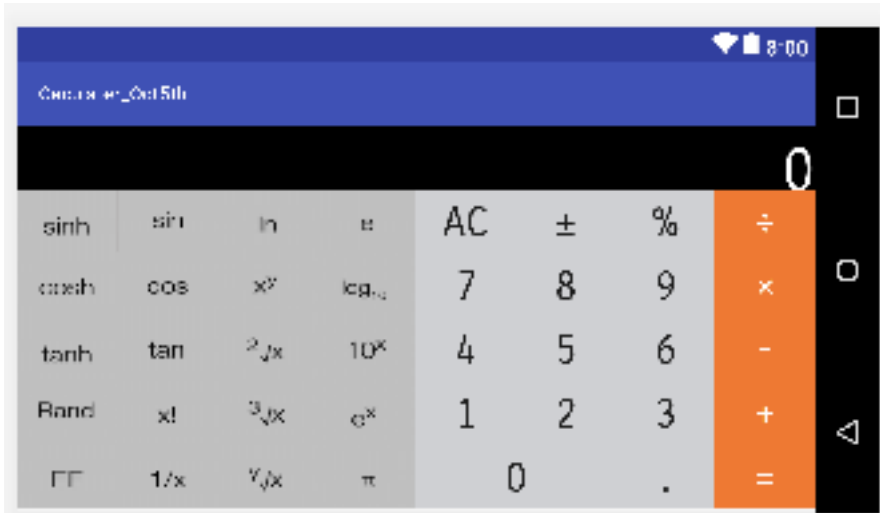
#### (4) 切換的xml佈局



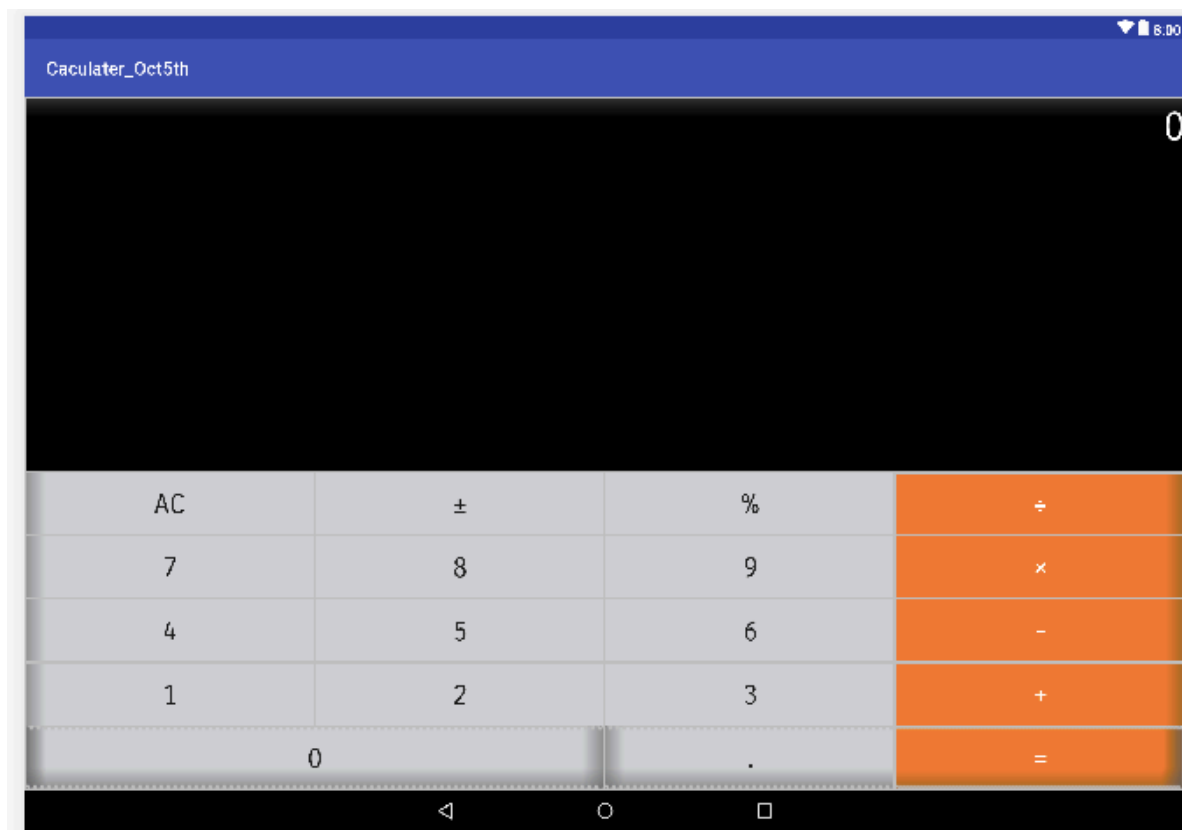
3.各解析度效果



480\*800



1080\*1920



2560\*1800