W1

strings.xml

```xml
<resources>
    <string name="app_name">My Java App</string>
    <string name="sys">Drink Order</string>
    <string name="sure">Sure</string>
    <string name="res">Result</string>
    <string name="cls">clear</string>
    <string-array name="dr">
        <item>Pearl milk rea</item>
        <item>Boba milk rea</item>
        <item>Grass Jelly milk rea</item>
        <item>lemon juice</item>
    </string-array>
    <string-array name="ice">
        <item>ice</item>
        <item>no ice</item>
    </string-array>

    <string-array name="wm">
        <item>ice</item>
        <item>no ice</item>
        <item>warm</item>
    </string-array>
    <string-array name="sg1">
        <item>Half Suger</item>
        <item>No Suger</item>
    </string-array>
    <string-array name="sg2">
        <item>Regular</item>
        <item>Half Suger</item>
    </string-array>
</resources>
```

```xml
1    <?xml version="1.0" encoding="utf-8"?>
2    <resources>
3        <string name="app_name">我的爪哇應用程式</string>
4        <string name="sys">訂購飲料</string>
5        <string name="sure">確定</string>
6        <string name="res">訂購結果</string>
7        <string name="cls">清除訂購結果</string>
8        <string-array name="dr">
9            <item>珍珠奶茶</item>
10           <item>波霸奶茶</item>
11           <item>仙草奶茶</item>
12           <item>檸檬汁</item>
13       </string-array>
14       <string-array name="ice">
15           <item>冰</item>
16           <item>去冰</item>
17       </string-array>

18       <string-array name="wm">
19           <item>冰</item>
20           <item>去冰</item>
21           <item>溫</item>
22       </string-array>
23       <string-array name="sg1">
24           <item>半糖</item>
25           <item>無糖</item>
26       </string-array>
27       <string-array name="sg2">
28           <item>一般</item>
29           <item>半糖</item>
30       </string-array>
31   </resources>
```

activity_main.xml

```xml
 9          <TextView
10              android:layout_width="wrap_content"
11              android:layout_height="wrap_content"
12              android:text="@string/sys"
13              android:id="@+id/tv1"
14              android:textSize="32sp"/>
15          <Spinner
16              android:id="@+id/sp1"
17              android:layout_width="match_parent"
18              android:layout_height="wrap_content"
19              android:entries="@array/dr"
20              android:layout_below="@+id/tv1"/>
21          <Spinner
22              android:id="@+id/sp2"
23              android:layout_width="match_parent"
24              android:layout_height="wrap_content"
25              android:layout_below="@+id/sp1"/>
26          <Spinner
27              android:id="@+id/sp3"
28              android:layout_width="match_parent"
29              android:layout_height="wrap_content"
30              android:layout_below="@+id/sp2"/>

31          <Button
32              android:id="@+id/b1"
33              android:layout_width="wrap_content"
34              android:layout_height="wrap_content"
35              android:layout_below="@+id/sp3"
36              android:text="@string/sure"/>
37          <Button
38              android:id="@+id/b2"
39              android:layout_width="wrap_content"
40              android:layout_height="wrap_content"
41              android:layout_below="@+id/sp3"
42              android:layout_toRightOf="@+id/b1"
43              android:text="@string/cls"/>
44          <TextView
45              android:id="@+id/res"
46              android:layout_width="wrap_content"
47              android:layout_height="wrap_content"
48              android:layout_below="@+id/b1"
49              android:text="@string/res"/>
50      </RelativeLayout>
```

MainActivity.java

```java
package com.example.w1_209410314;

import ...

// 2 usages
public class MainActivity extends AppCompatActivity implements View.OnClickListener,
        AdapterView.OnItemSelectedListener {
    // 4 usages
    Spinner s1,s2,s3; TextView rr; Button b1,b2;
    String dr[]={"珍珠奶茶","波霸奶茶","仙草奶茶","檸檬汁"};
    String ice[]={"冰","去冰"}, wm[]={"冰","去冰","溫"};
    String sg1[]={"半糖","無糖"}, sg2[]={"一般","半糖"};
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        b1=(Button) findViewById(R.id.b1); b1.setOnClickListener(this);
        b2=(Button) findViewById(R.id.b2); b2.setOnClickListener(this);
        s1=(Spinner) findViewById(R.id.sp1); s1.setOnItemSelectedListener(this);
        s2=(Spinner) findViewById(R.id.sp2); s2.setOnItemSelectedListener(this);
        s3=(Spinner) findViewById(R.id.sp3); s3.setOnItemSelectedListener(this);
        rr=(TextView) findViewById(R.id.res);
    }


    public void onClick(View view) {
        if(view == b1)
            rr.setText(getString(R.string.res)+":"+
                    s1.getSelectedItem()+s2.getSelectedItem()+s3.getSelectedItem());
        if(view == b2) rr.setText(getString(R.string.res));
    }


    public void onItemSelected(AdapterView<?> adapterView, View view, int i, long l) {
        if(adapterView == s1){
            String tmp[] = {}, tmp2[]={};
            String ice[] = getResources().getStringArray(R.array.ice);
            String wm[] = getResources().getStringArray(R.array.wm);
            String sg1[] = getResources().getStringArray(R.array.sg1);
            String sg2[] = getResources().getStringArray(R.array.sg2);
            if(i == 3) {tmp = ice; tmp2=sg2;} else {tmp = wm; tmp2=sg1;}
            ArrayAdapter<String> ad=new ArrayAdapter<String>
                    ( context: this, android.R.layout.simple_dropdown_item_1line, tmp);
            s2.setAdapter(ad);
            ArrayAdapter<String> ad1=new ArrayAdapter<String>
                    ( context: this, android.R.layout.simple_dropdown_item_1line, tmp2);
            s3.setAdapter(ad1);
        }
    }
```