

6:13

計算成績

您的選擇

輸入資料

打電話

連網

發簡訊

連接到地圖

搜尋

學號

姓名

送出

結果



W4

## strings.xml

```
1 <resources>
2     <string name="app_name">My Java App</string>
3     <string name="ph">Call phone</string>
4     <string name="we">URL</string>
5     <string name="sel">Your selection:</string>
6     <string name="sms">SMS</string>
7     <string name="ma">Map</string>
8     <string name="se">Search</string>
9     <string name="ip1">Input Data</string>
10    <string name="er">No data</string>
11    <string name="sco">Compute Score</string>
12    <string name="avg">Compute Average</string>
13    <string name="id">Stu_id</string>
14    <string name="na">Name</string>
15    <string name="send">Send</string>
16    <string name="rr">Result:</string>
17    <string name="ch">Chinese</string>
18    <string name="en">English</string>
19    <string name="aav">Average</string>
20    <string name="rev">Receive:</string>
21 </resources>
```

## zh-rTW\strings.xml

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <resources>
3      <string name="app_name">我的程式</string>
4      <string name="ph">打電話</string>
5      <string name="we">連網頁</string>
6      <string name="sel">您的選擇</string>
7      <string name="sms">發簡訊</string>
8      <string name="ma">連接到地圖</string>
9      <string name="se">搜尋</string>
10     <string name="ip1">輸入資料</string>
11     <string name="er">沒有資料</string>
12     <string name="sco">計算成績</string>
13     <string name="avg">計算平均</string>
14     <string name="id">學號</string>
15     <string name="na">姓名</string>
16     <string name="send">送出</string>
17     <string name="rr">結果</string>
18     <string name="ch">國文</string>
19     <string name="en">英文</string>
20     <string name="aav">平均</string>
21     <string name="rev">接收到</string>
22 </resources>
```

## AndroidManifest.xml

```
1  <?xml version="1.0" encoding="utf-8"?>
2  <manifest xmlns:android="http://schemas.android.com/apk/res/android"
3      xmlns:tools="http://schemas.android.com/tools" >
4
5      <uses-permission android:name="android.permission.INTERNET" />
6      <uses-permission android:name="android.permission.CALL_PHONE" />
7      <uses-permission android:name="android.permission.SEND_SMS" />
8
9      <application
10         android:allowBackup="true"
11         android:dataExtractionRules="@xml/data_extraction_rules"
12         android:fullBackupContent="@xml/backup_rules"
13         android:icon="@mipmap/ic_launcher"
14         android:label="@string/sco"
15         android:supportsRtl="true"
16         android:theme="@style/Theme.W4_209410314"
17         tools:targetApi="31" >
18         <activity
19             android:name=".Compavg"
20             android:label="@string/avg"
21             android:exported="false" />
```

```

22     <activity
23         android:name=".MainActivity"
24         android:exported="true" >
25         <intent-filter>
26             <action android:name="android.intent.action.MAIN" />
27
28             <category android:name="android.intent.category.LAUNCHER" />
29         </intent-filter>
30     </activity>
31 </application>
32
33 </manifest>

```

## activity\_main.xml

```

9     <TextView
10         android:layout_width="wrap_content"
11         android:layout_height="wrap_content"
12         android:text="@string/sel"
13         android:id="@+id/res" />
14     <TextView
15         android:id="@+id/textView"
16         android:layout_width="wrap_content"
17         android:layout_height="wrap_content"
18         android:layout_below="@+id/res"
19         android:text="@string/ip1" />
20
21     <EditText
22         android:id="@+id/ed1"
23         android:layout_width="wrap_content"
24         android:layout_height="wrap_content"
25         android:layout_below="@+id/res"
26         android:layout_toRightOf="@id/textView"
27         android:ems="10"
28         android:inputType="textPersonName"
29         android:text="" />

```

```

30 <Button
31     android:id="@+id/b1"
32     android:layout_width="70sp"
33     android:layout_height="wrap_content"
34     android:layout_below="@+id/ed1"
35     android:text="@string/ph" />
36 <Button
37     android:id="@+id/b2"
38     android:layout_width="70sp"
39     android:layout_height="wrap_content"
40     android:layout_below="@+id/ed1"
41     android:layout_toRightOf="@+id/b1"
42     android:text="@string/we" />
43 <Button
44     android:id="@+id/b3"
45     android:layout_width="70sp"
46     android:layout_height="wrap_content"
47     android:layout_below="@+id/ed1"
48     android:layout_toRightOf="@+id/b2"
49     android:text="@string/sms" />

```

```

51 <Button
52     android:id="@+id/b4"
53     android:layout_width="80sp"
54     android:layout_height="wrap_content"
55     android:layout_below="@+id/ed1"
56     android:layout_toRightOf="@+id/b3"
57     android:text="@string/ma" />
58 <Button
59     android:id="@+id/b5"
60     android:layout_width="80sp"
61     android:layout_height="wrap_content"
62     android:layout_below="@+id/ed1"
63     android:layout_toRightOf="@+id/b4"
64     android:text="@string/se" />
65 <TextView
66     android:id="@+id/textView2"
67     android:layout_width="wrap_content"
68     android:layout_height="wrap_content"
69     android:layout_below="@+id/b1"
70     android:text="@string/id" />

```

```
71
72 <EditText
73     android:id="@+id/ed2"
74     android:layout_width="wrap_content"
75     android:layout_height="wrap_content"
76     android:ems="10"
77     android:layout_below="@+id/b1"
78     android:layout_toRightOf="@+id/textView2"
79     android:inputType="textPersonName"
80     android:text="" />
81 <TextView
82     android:id="@+id/textView3"
83     android:layout_width="wrap_content"
84     android:layout_height="wrap_content"
85     android:layout_below="@+id/ed2"
86     android:text="@string/na" />
```

```
88 <EditText
89     android:id="@+id/ed3"
90     android:layout_width="wrap_content"
91     android:layout_height="wrap_content"
92     android:ems="10"
93     android:layout_below="@+id/ed2"
94     android:layout_toRightOf="@+id/textView3"
95     android:inputType="textPersonName"
96     android:text="" />
97 <Button
98     android:id="@+id/b6"
99     android:layout_width="wrap_content"
100    android:layout_height="wrap_content"
101    android:layout_below="@+id/ed3"
102    android:text="@string/send" />
103 <TextView
104     android:id="@+id/tv1"
105     android:layout_width="wrap_content"
106     android:layout_height="wrap_content"
107     android:layout_below="@+id/b6"
108     android:text="@string/r" />
```

## activity\_Compavg.xml

```
7      tools:context=".Compavg">
8
9      <TextView
10         android:id="@+id/res1"
11         android:layout_width="wrap_content"
12         android:layout_height="wrap_content"
13         android:text="" />
14
15      <TextView
16         android:id="@+id/textView4"
17         android:layout_width="wrap_content"
18         android:layout_height="wrap_content"
19         android:layout_below="@+id/res1"
20         android:text="@string/ch" />
21
22      <EditText
23         android:id="@+id/ed4"
24         android:layout_width="wrap_content"
25         android:layout_height="wrap_content"
26         android:ems="10"
27         android:layout_below="@+id/res1"
28         android:layout_toRightOf="@+id/textView4"
29         android:inputType="textPersonName"
30         android:text="" />
```

```
31
32      <TextView
33         android:id="@+id/textView5"
34         android:layout_width="wrap_content"
35         android:layout_height="wrap_content"
36         android:layout_below="@+id/ed4"
37         android:text="@string/en" />
38
39      <EditText
40         android:id="@+id/ed5"
41         android:layout_width="wrap_content"
42         android:layout_height="wrap_content"
43         android:ems="10"
44         android:layout_below="@+id/ed4"
45         android:layout_toRightOf="@+id/textView5"
46         android:inputType="textPersonName"
47         android:text="" />
48
49      <Button
50         android:id="@+id/b7"
51         android:layout_width="wrap_content"
52         android:layout_height="wrap_content"
53         android:layout_below="@+id/ed5"
54         android:text="@string/aav"/>
55
56  </RelativeLayout>
```

# MainActivity.java

```
1 package com.example.w4_209410314;
2
3 import ...
  2 usages
14 public class MainActivity extends AppCompatActivity implements View.OnClickListener {
  3 usages
15     Button b1,b2,b3,b4,b5,b6; TextView rr; EditText e1,e2,e3;
16     protected void onCreate(Bundle savedInstanceState) {
17         super.onCreate(savedInstanceState);
18         setContentView(R.layout.activity_main);
19         rr=(TextView) findViewById(R.id.res);
20         b1=(Button) findViewById(R.id.b1); b2=(Button) findViewById(R.id.b2);
21         b3=(Button) findViewById(R.id.b3); b4=(Button) findViewById(R.id.b4);
22         b5=(Button) findViewById(R.id.b5); b6=(Button) findViewById(R.id.b6);
23         e1=(EditText) findViewById(R.id.ed1);
24         e2=(EditText) findViewById(R.id.ed2);
25         e3=(EditText) findViewById(R.id.ed3);
26         b1.setOnClickListener(this); b2.setOnClickListener(this);
27         b3.setOnClickListener(this); b4.setOnClickListener(this);
28         b5.setOnClickListener(this); b6.setOnClickListener(this);
29     }
31
32     public void onClick(View view) {
33         Intent it=new Intent(); Uri u=null; String ss=e1.getText().toString();
34         if(view == b6){
35             it.setClass( packageContext: this, Compavg.class);
36             //EditText e2=(EditText) findViewById(R.id.ed2);
37             //EditText e3=(EditText) findViewById(R.id.ed3);
38             String s1=e2.getText().toString(), s2=e3.getText().toString();
39             if(s1.length() > 0 && s2.length() > 0){
40                 Toast.makeText( context: this, s1, Toast.LENGTH_SHORT).show();
41             }
42             else Toast.makeText( context: this, getString(R.string.er), Toast.LENGTH_SHORT).show();
43         }
```

```

44     if(ss.length() > 0){
45         it.setAction(Intent.ACTION_VIEW);
46         if(view == b1){
47             it.setAction(Intent.ACTION_DIAL);
48             u = Uri.parse( uriString: "tel:"+ss);
49         }
50         if(view == b2) u = Uri.parse( uriString: "http://" + ss);
51         if(view == b3) u = Uri.parse( uriString: "sms:"+ss+"?body=hello");
52         if(view == b4) u = Uri.parse( uriString: "geo"+ss);
53         //TKU: 25.1740706, 121.4451121
54         //北車: 25.04633, 121.51393
55         if(view == b5){
56             it.setAction(Intent.ACTION_WEB_SEARCH);
57             it.putExtra(SearchManager.QUERY, ss);
58         }
59         it.setData(u); startActivity(it);
60     }
61     else Toast.makeText( context: this, getString(R.string.er), Toast.LENGTH_SHORT).show();
62 }
63 }

```

## Compavg.java

```

1  package com.example.w4_209410314;
2
3  import ...
   3 usages
9  public class Compavg extends AppCompatActivity {
10
   3 usages
11     Intent it; String id1="", na1=""; TextView rr1;
12     protected void onCreate(Bundle savedInstanceState) {
13         super.onCreate(savedInstanceState);
14         setContentView(R.layout.activity_compavg);
15         it=getIntent();
16         id1=it.getStringExtra( name: "id");
17         na1=it.getStringExtra( name: "name");
18         rr1=(TextView) findViewById(R.id.res1);
19         String t1=getString(R.string.rev)+"\n"+
20             getString(R.string.id)+":"+id1+"\n"+
21             getString(R.string.na)+":"+na1+"\n";
22         rr1.setText(t1);
23         Toast.makeText( context: this, t1, Toast.LENGTH_SHORT).show();
24     }
25 }

```