



W13

strings.xml

```
1 <resources>
2     <string name="app_name">My Java App</string>
3     <string name="inp">Input WebSite</string>
4     <string name="con">Connect</string>
5 </resources>
```

zh-rTW\strings.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="inp">輸入網址:</string>
5     <string name="con">連接</string>
6 </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      <uses-permission android:name="android.permission.INTERNET"/>
5
6      <application
7          android:allowBackup="true"
8          android:dataExtractionRules="@xml/data_extraction_rules"
9          android:fullBackupContent="@xml/backup_rules"
10         android:icon="@mipmap/ic_launcher"
11         android:label="My Java App"
12         android:roundIcon="@mipmap/ic_launcher_round"
13         android:supportsRtl="true"
14         android:theme="@style/Theme.W13_209410314"
15         tools:targetApi="31">
16         <activity
17             android:name=".MainActivity"
18             android:exported="true">
19             <intent-filter>
20                 <action android:name="android.intent.action.MAIN" />
```

activity_main.xml

```
9  <TextView
10      android:id="@+id/tv1"
11      android:layout_width="wrap_content"
12      android:layout_height="wrap_content"
13      android:text="@string/inp" />
14
15  <EditText
16      android:id="@+id/ed1"
17      android:layout_width="wrap_content"
18      android:layout_height="wrap_content"
19      android:ems="10"
20      android:layout_toRightOf="@+id/tv1"
21      android:inputType="textPersonName"
22      android:text="" />
23
24  <Button
25      android:id="@+id/b1"
26      android:layout_width="wrap_content"
27      android:layout_height="wrap_content"
28      android:layout_toRightOf="@+id/ed1"
29      android:text="@string/con" />
```

```

31 <ProgressBar
32     android:id="@+id/pb1"
33     style="?android:attr/progressBarStyleHorizontal"
34     android:layout_width="match_parent"
35     android:layout_below="@+id/ed1"
36     android:max="100"
37     android:progress="0"
38     android:layout_height="wrap_content" />
39
40 <WebView
41     android:id="@+id/wv"
42     android:layout_width="match_parent"
43     android:layout_height="match_parent"
44     android:layout_below="@+id/pb1" />
45
46 </RelativeLayout>

```

MainActivity.java

```

18 public class MainActivity extends AppCompatActivity implements View.OnClickListener {
19
20     9 usages
21     ProgressBar pb; int k=0; EditText ed; WebView wb; Button b1; String url="";
22     3 usages
23     TextView tv; SharedPreferences sp;
24     protected void onCreate(Bundle savedInstanceState) {
25         super.onCreate(savedInstanceState);
26         setContentView(R.layout.activity_main);
27         pb=(ProgressBar) findViewById(R.id.pb1);
28         ed=(EditText) findViewById(R.id.ed1);
29         b1=(Button) findViewById(R.id.b1); b1.setOnClickListener(this);
30         wb=(WebView) findViewById(R.id.wv);
31         wb.getSettings().setBuiltInZoomControls(true);
32         wb.getSettings().setJavaScriptEnabled(true);
33         wb.getSettings().setSupportZoom(true); wb.invokeZoomPicker();
34         //pb.setVisibility(View.GONE);
35         pb.setOnClickListener(this);
36         wb.setWebChromeClient(wcc); wb.setWebViewClient(wvc);
37         tv=(TextView) findViewById(R.id.tv1);
38         sp=getSharedPreferences( name: "test", MODE_PRIVATE);
39         url=sp.getString( s: "URL", s1: "https://www.tku.edu.tw"); ed.setText(url);
40     }

```

```

40 public WebViewClient wvc=new WebViewClient(){
    1 usage
41 public void onPageStarted(WebView view, String url, Bitmap favicon) {
42     pb.setVisibility(view.VISIBLE);
43     super.onPageStarted(view, url, favicon);
44 }
45
    1 usage
46 public void onPageFinished(WebView view, String url) {
47     pb.setVisibility(View.GONE);
48     super.onPageFinished(view, url);
49 }
50 };
    1 usage
51 public WebChromeClient wcc=new WebChromeClient(){
    1 usage
52 public void onProgressChanged(WebView view, int newProgress) {
53     pb.setProgress(newProgress); tv.setText(""+newProgress);
54     pb.setVisibility(newProgress < 100 ? View.VISIBLE : View.GONE);
55     super.onProgressChanged(view, newProgress);
56 }
57 };

```

```

59 @Override
60 public void onBackPressed() {
61     if(wb.canGoBack()) { wb.goBack(); return; }
62     super.onBackPressed();
63 }
64
65 public void onClick(View view) {
66     if (view == b1) {
67         String ss=ed.getText().toString();
68         if (ss.length()>0) {
69             wb.loadUrl(ss); url=ss; sp.edit().putString(s: "URL", url).commit();
70             Toast.makeText(context: this,url, Toast.LENGTH_SHORT).show();
71         }
72     }
73     if(view == pb){
74         k+=10; pb.setProgress(k); tv.setText(""+k);
75         pb.setVisibility(k < 100 ? View.VISIBLE : View.GONE);
76     }
77 }
78 }

```