插入 button

- Text 為 test_write_text
- On Click 為 btn_test1

插入 button

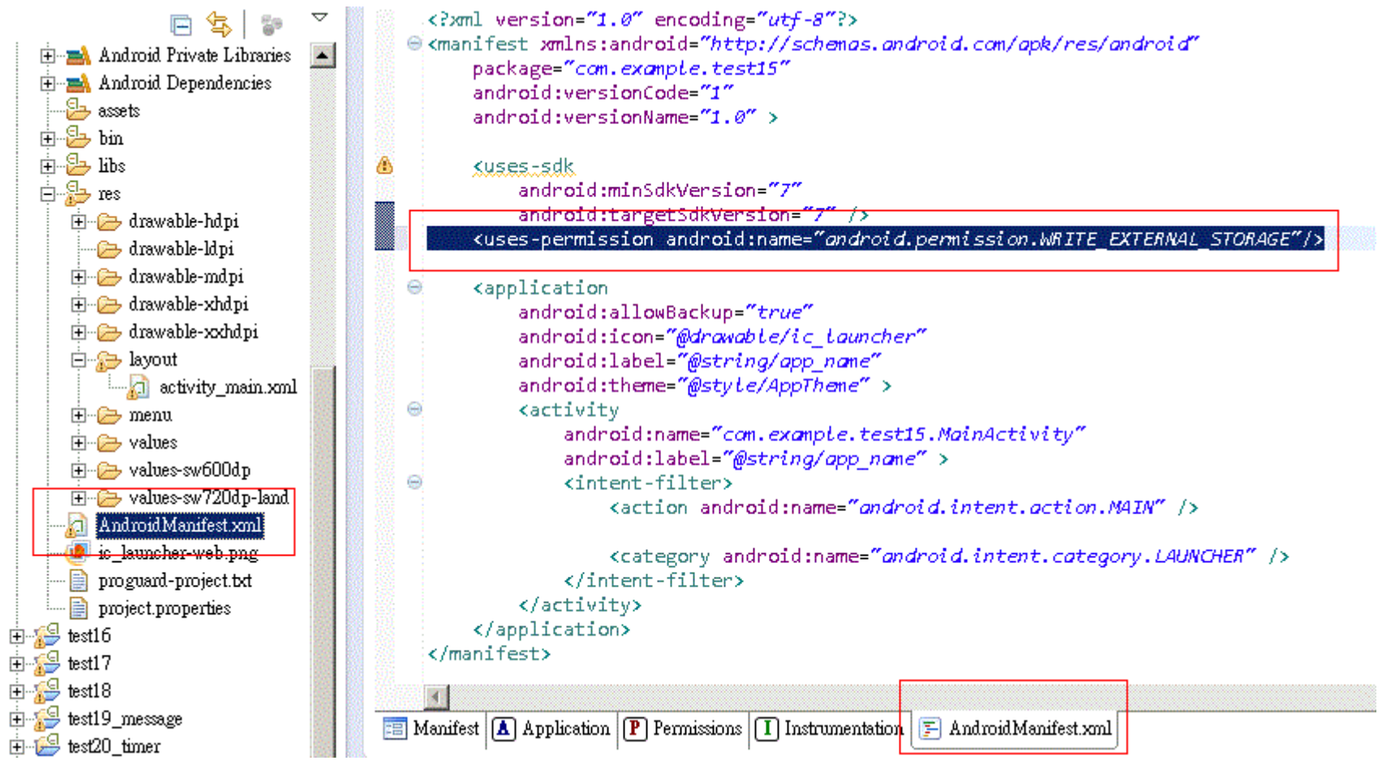
- Text 為 test_reae_text
- On Click 為 btn_test2

插入 TextView

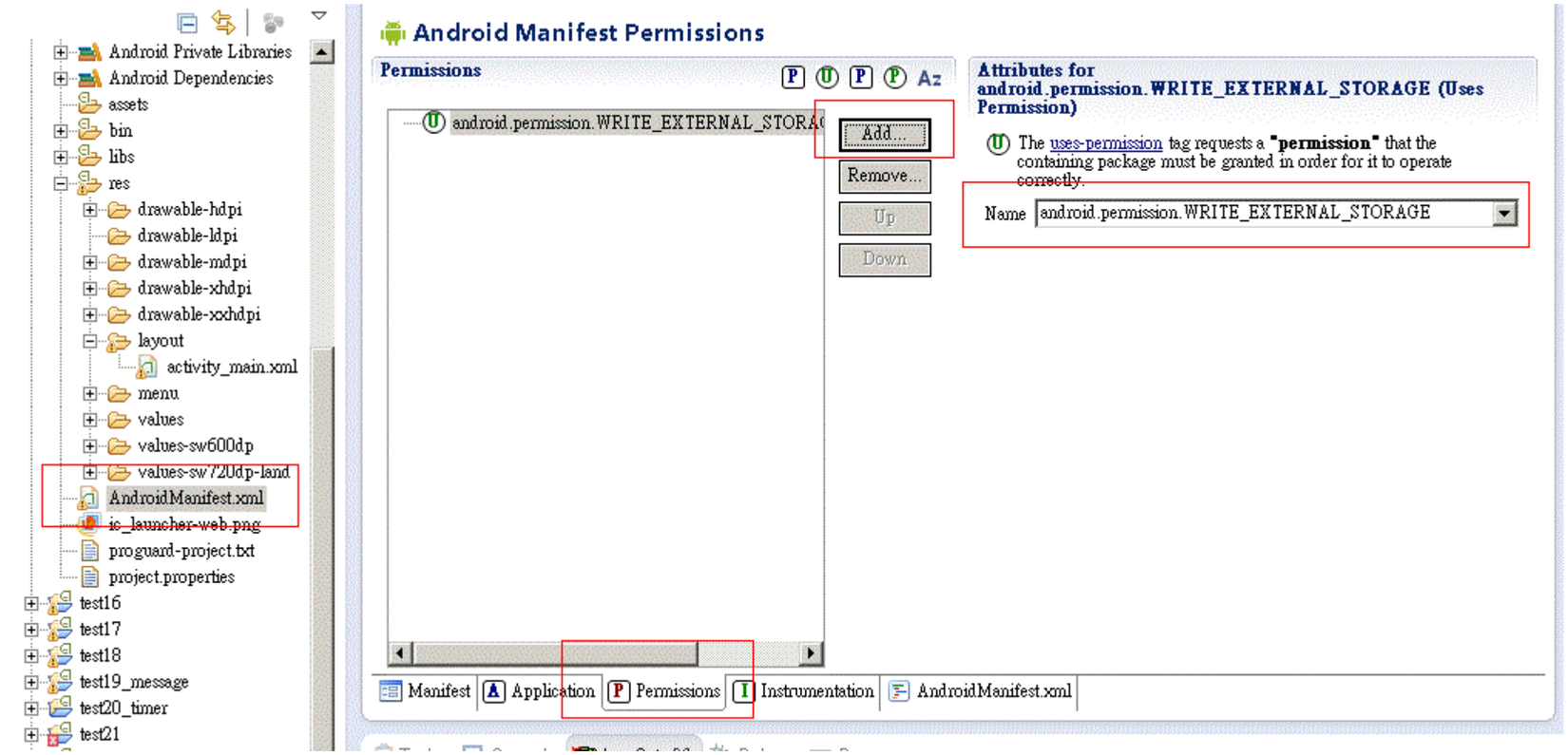
ID 為 textView2

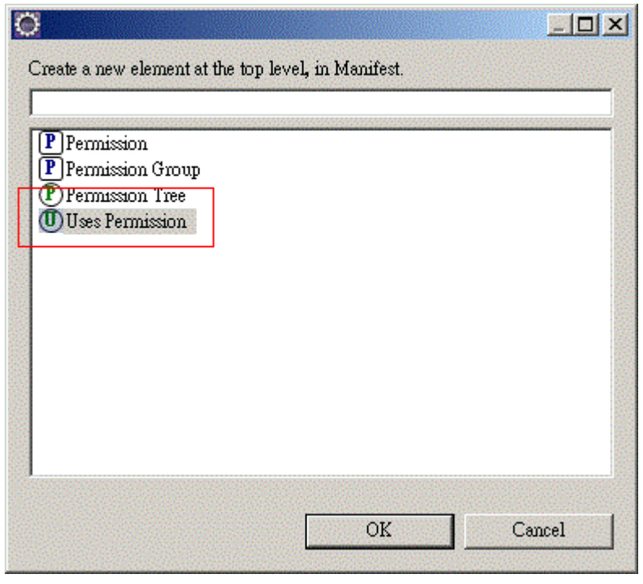
read/write SD,需要設權限

```
    <uses-permission android:name="android.permission.WRITE_EXTERNAL_STORAGE"/>
```


Android Private Libraries
Android Dependencies
assets
bin
libs
res
drawable-hdpi
drawable-ldpi
drawable-mdpi
drawable-xhdpi
drawable-xxhdpi
layout
activity_main.xml
menu
values
values-sw600dp
values-sw720dp-land
AndroidManifest.xml
ic_launcher-web.png
proguard-project.txt
project.properties
test16
test17
test18
test19_message
test20_timer
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
package="com.example.test15"
android:versionCode="1"
android:versionName="1.0" >
<uses-sdk
android:minSdkVersion="7"
android:targetSdkVersion="7" />
<uses-permission android:name="android.permission.WRITE_EXTERNAL_STORAGE"/>
<application
android:allowBackup="true"
android:icon="@drawable/ic_launcher"
android:label="@string/app_name"
android:theme="@style/AppTheme" >
<activity
android:name="com.example.test15.MainActivity"
android:label="@string/app_name" >
<intent-filter>
<action android:name="android.intent.action.MAIN" />
<category android:name="android.intent.category.LAUNCHER" />
</intent-filter>
</activity>
</application>
</manifest>
Manifest
Application
Permissions
Instrumentation
AndroidManifest.xml

或是


Android Private Libraries
Android Dependencies
assets
bin
libs
res
drawable-hdpi
drawable-ldpi
drawable-mdpi
drawable-xhdpi
drawable-xxhdpi
layout
activity_main.xml
menu
values
values-sw600dp
values-sw720dp-land
AndroidManifest.xml
ic_launcher-web.png
proguard-project.txt
project.properties
test16
test17
test18
test19_message
test20_timer
test21
Android Manifest Permissions
Permissions
android.permission.WRITE_EXTERNAL_STORA
Add...
Remove...
Up
Down
Attributes for android.permission.WRITE_EXTERNAL_STORAGE (Uses Permission)
The uses-permission tag requests a "permission" that the containing package must be granted in order for it to operate correctly.
Name android.permission.WRITE_EXTERNAL_STORAGE
Manifest
Application
Permissions
Instrumentation
AndroidManifest.xml


Create a new element at the top level, in Manifest.
Permission
Permission Group
Permission Tree
Uses Permission
OK
Cancel

MainActivity.java 加入以下 code,按 ctrl+shift+o 自動補 import

```
    public void btn_test1(View v) {
        //do not hardcode /sdcard
        File sdcard_path=Environment.getExternalStorageDirectory();
        File fname = new File(sdcard_path,"test.txt");
//      File fname= new File(Environment.getExternalStorageDirectory()+"/test.txt");


        FileWriter wtxt = null;
        int i1;

        try {
            wtxt = new FileWriter(fname,false);
        } catch (IOException e) {
            Toast.makeText(getApplicationContext(), "err,new", 100).show();
        }

    for (i1 = 0;i1<15;i1++)
    {
        try{
            wtxt.append(Integer.toString(i1)+"\r\n");
        }catch (IOException e) {
            Toast.makeText(getApplicationContext(), "err,wtxtbuf.write", 100).show();
        }

    }
    try{
        wtxt.flush();
        wtxt.close();
    }catch (IOException e) {
        Toast.makeText(getApplicationContext(), "err,wtxtbuf.close", 100).show();
    }
    Toast.makeText(getApplicationContext(), "txt write ok", 100).show();
}
```

```
    public void btn_test2(View v) {
        //do not hardcode /sdcard
        File sdcard_path=Environment.getExternalStorageDirectory();
        File fname = new File(sdcard_path,"test.txt");
//      File fname= new File(Environment.getExternalStorageDirectory()+"/test.txt");

        String st1,st2;
        FileReader rtxt = null;
        BufferedReader rtxtbuf = null; // Bufferedreader has readLine, easy to read line by line
        int i1;
        TextView tv2;

        //open file
        try {
            rtxt = new FileReader(fname);
            rtxtbuf = new BufferedReader(rtxt);
        } catch (IOException e) {
            Toast.makeText(getApplicationContext(), "err,new", 100).show();
        }
        //read
        st2="";
        try{
            while ((st1=rtxtbuf.readLine())!=null){
                st2=st2+st1+"\n";
            }
        }
        catch (IOException e) {
            Toast.makeText(getApplicationContext(), "err,read", 100).show();
        }
        tv2=(TextView)findViewById(R.id.textView2);
        tv2.setText(st2);


        //close
        try{
```

```
                rtxtbuf.close();
            }catch (IOException e) {
                Toast.makeText(getApplicationContext(), "err,rtxtbuf.close", 100).show();
            }
            Toast.makeText(getApplicationContext(), "txt read ok", 100).show();

    }
```