

# 給你魚竿

凡事起頭難, 就給你難的

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## [Android Studio] 1-15 Debug Mode - Android Studio

0 想使用

0 設斷點逐步來看程式流程

0 文件

0 [developer.android.com/tools/debugging/debugging-studio.html](https://developer.android.com/tools/debugging/debugging-studio.html)

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Android Studio

Workflow

Setting Up Virtual Devices

Using Hardware Devices

Managing Projects

Building and Running

Testing

**Debugging**

From Android Studio

### Debugging with Android Studio

Android Studio enables you to debug apps running on the emulator or on an Android device. With Android Studio, you can:

- Select a device to debug your app on.
- View the system log.
- Set breakpoints in your code.
- Examine variables and evaluate expressions at run time.
- Run the debugging tools from the Android SDK.
- Capture screenshots and videos of your app.

To debug your app, Android Studio builds a debuggable version of your app, connects to a device or to the emulator, installs the app and runs it. The IDE shows the system log while your app is running and provides debugging tools to filter log messages, work with breakpoints, and control the execution flow.

In this document

Run your App in Debug Mode

Attach the debugger to a running process

Use the System Log

Write log messages in your code

View the system log

Work with Breakpoints

View and configure breakpoints

Debug your app with breakpoints

Track Object Allocation

Analyze Runtime Metrics to Optimize your App

Capture Screenshots and Videos

```
public class MainActivity extends AppCompatActivity {  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_main);  
  
        Log.d("TAG", "step 1");  
        Log.d("TAG", "step 2");  
        showLog();  
        Log.d("TAG", "step 5");  
        Log.d("TAG", "step 6");  
    }  
  
    private void showLog(){  
        Log.d("TAG", "step 3");  
        Log.d("TAG", "step 4");  
    }  
}
```

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3. 然後在要觀察或設斷點的地方  
直接滑鼠左鍵點選行數旁邊  
就會設定斷點

```
10 public class MainActivity extends AppCompatActivity {  
11  
12     @Override  
13     protected void onCreate(Bundle savedInstanceState) {  
14         super.onCreate(savedInstanceState);  
15         setContentView(R.layout.activity_main);  
16  
17         Log.d("TAG", "step 1");  
18         Log.d("TAG", "step 2");  
19     }  
20 }
```

Run

Tools

VCS

Window

Help

Run裡面選擇Debug 'app'

0

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Run...

Debug...

Edit Configurations...

Stop

Reload Changed Classes

Step Over

Force Step Over

Step Into

Force Step Into

Alt+Shift+F10

Alt+Shift+F9

Ctrl+F2

F8

Alt+Shift+F8

F7

Alt+Shift+F7



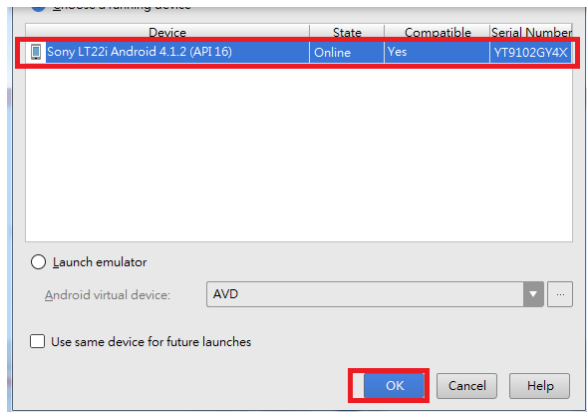
5. 然後選擇要執行的環境

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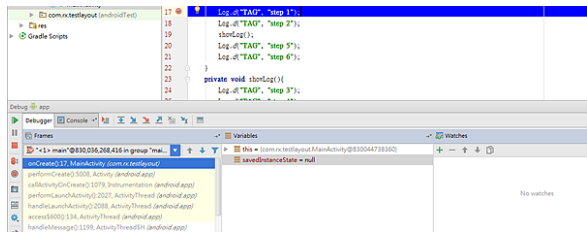
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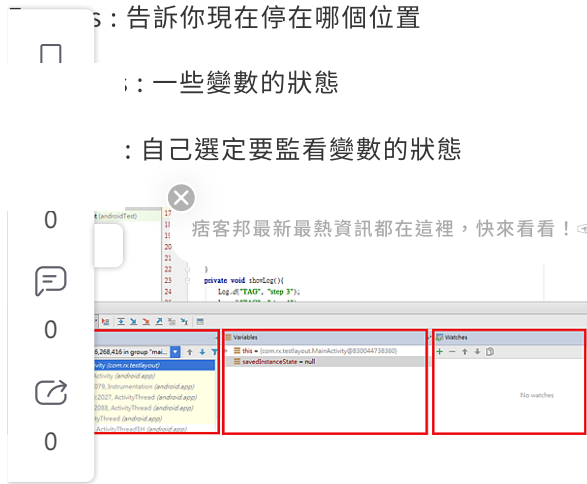
POWERED BY



6. 啟動後就會停在斷點的地方

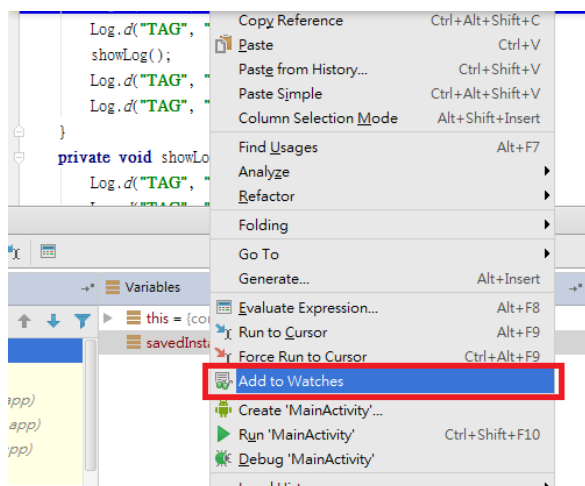


7. 會自動跳出三個欄位

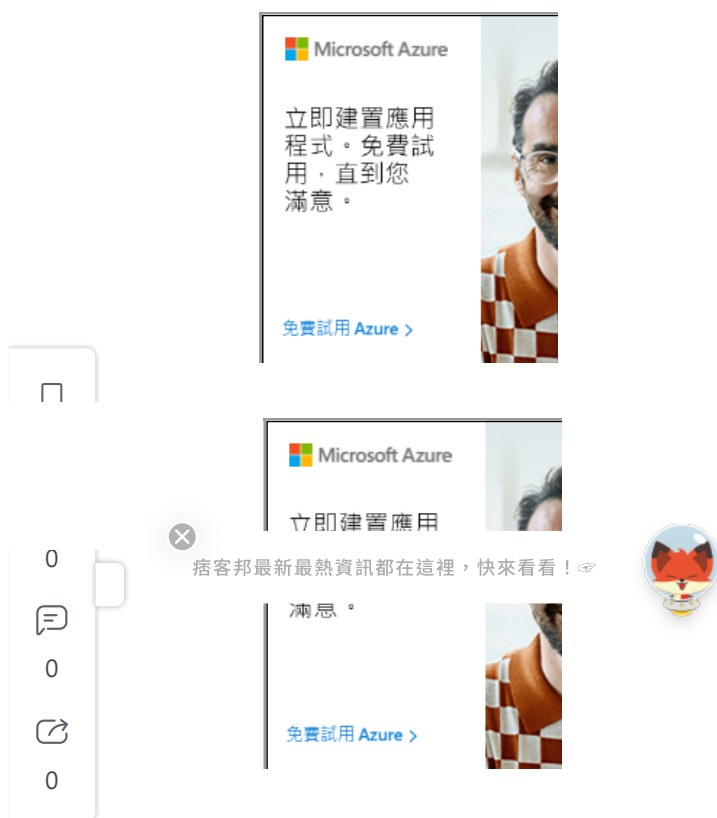


8. 要監看指要在對印的變數按下滑鼠右鍵

選擇Add to Watched就可以了



9. 接著Run裡面有些常用的指令要認識就好了



Step Over : 一次執行一步, 但不會進到方法之中

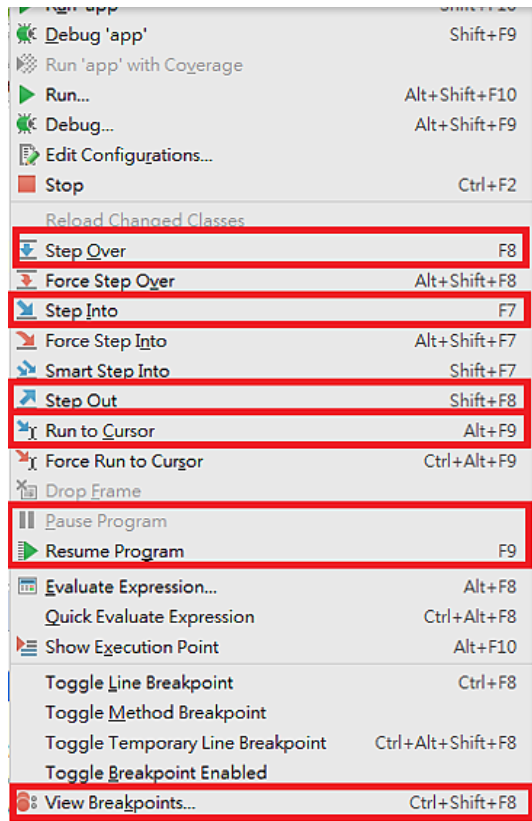
Step Into : 一次執行一步, 會進到方法之中

Step Out : 跳出當下的方法

Run to Cursor : 執行至鼠標的位置

Resume Program : 繼續執行程式直到遇到斷點

Pause Program : 停止到當下的程式位置



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[Android Studio Debug](#) [Android Studio Debug Mode](#)

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