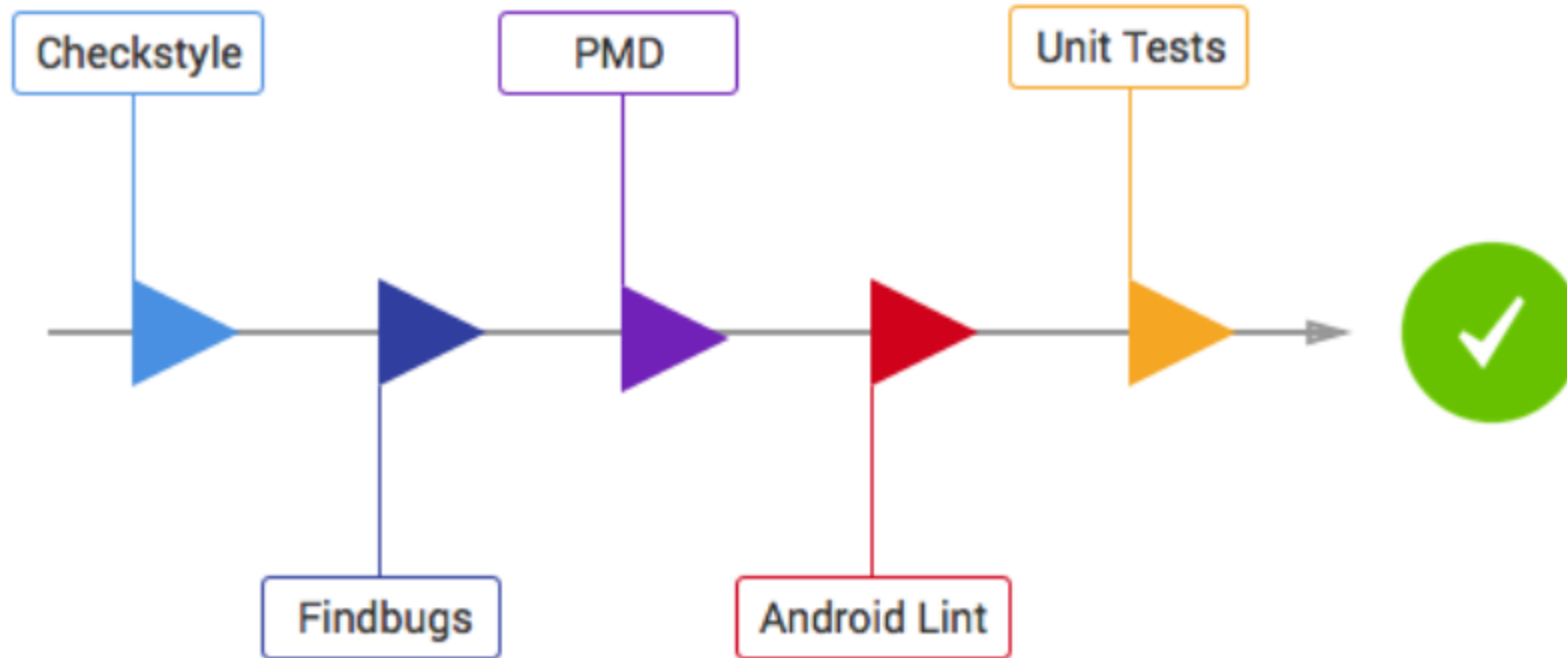
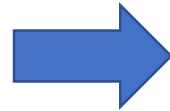
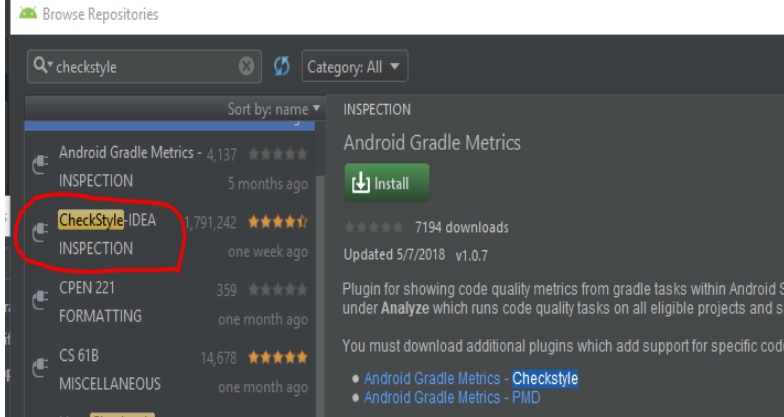


# Static Analysis Flow in MMR2



# 1-1. CheckStyle <http://checkstyle.sourceforge.net/>

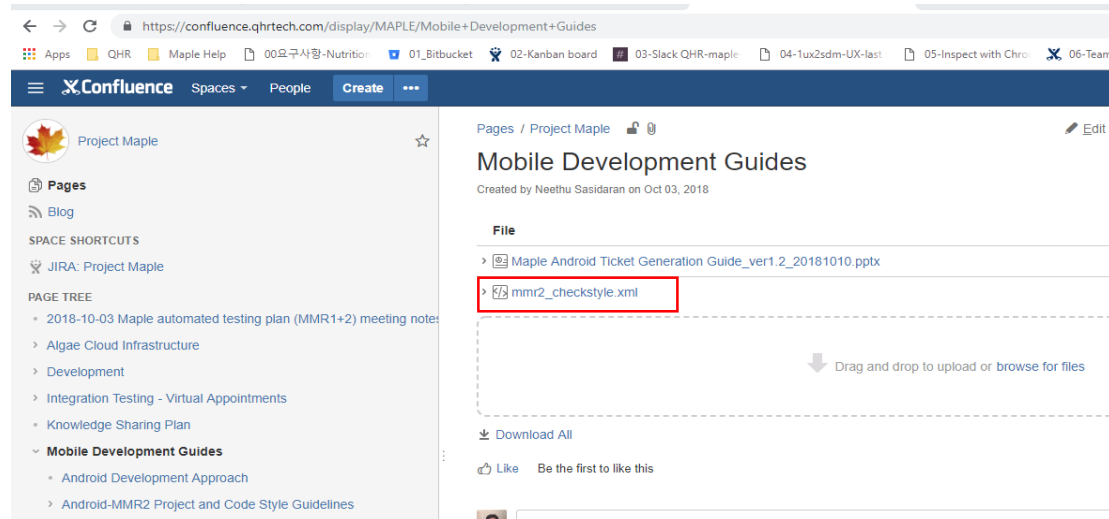


Checkstyle is a development tool to help programmers write Java code that adheres to a coding standard.

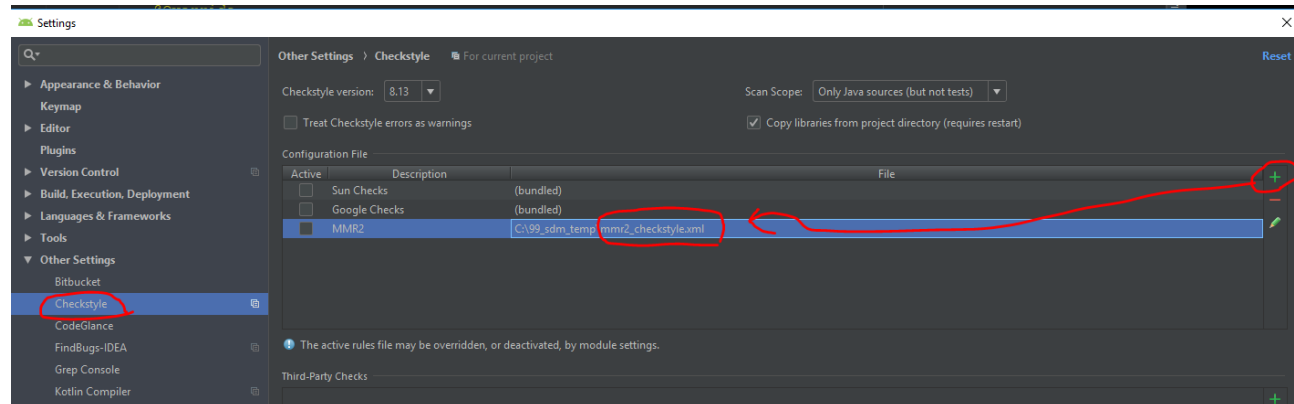
It automates the process of checking Java code to spare humans of this boring (but important) task.

This makes it ideal for projects that want to enforce a coding standard.

1. Visit site and download 'mmr2\_checkstyle.xml'  
<https://confluence.qhrtech.com/display/MAPLE/Mobile+Development+Guides>



## 2. setting



# 1-2. CheckStyle

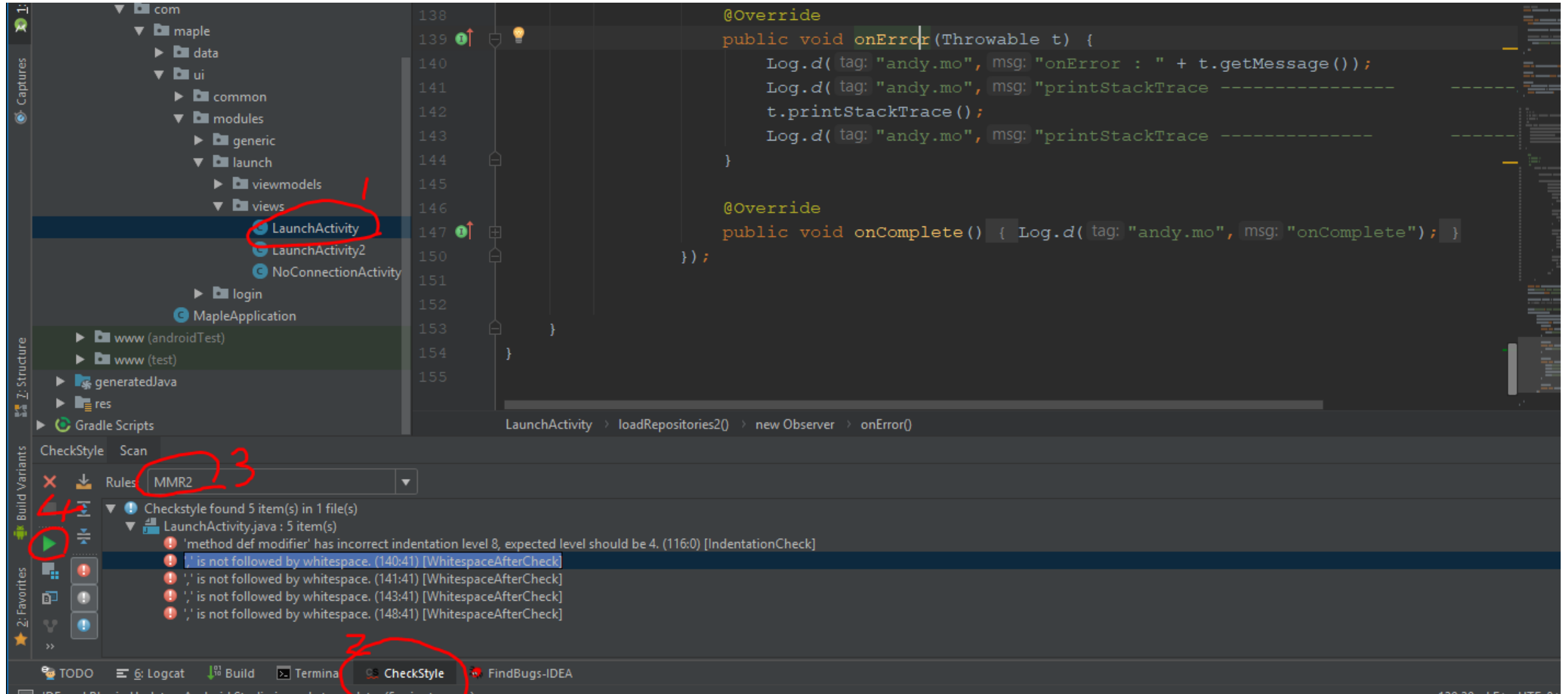
## 3. Use check style (After development)

3-1. Select target File

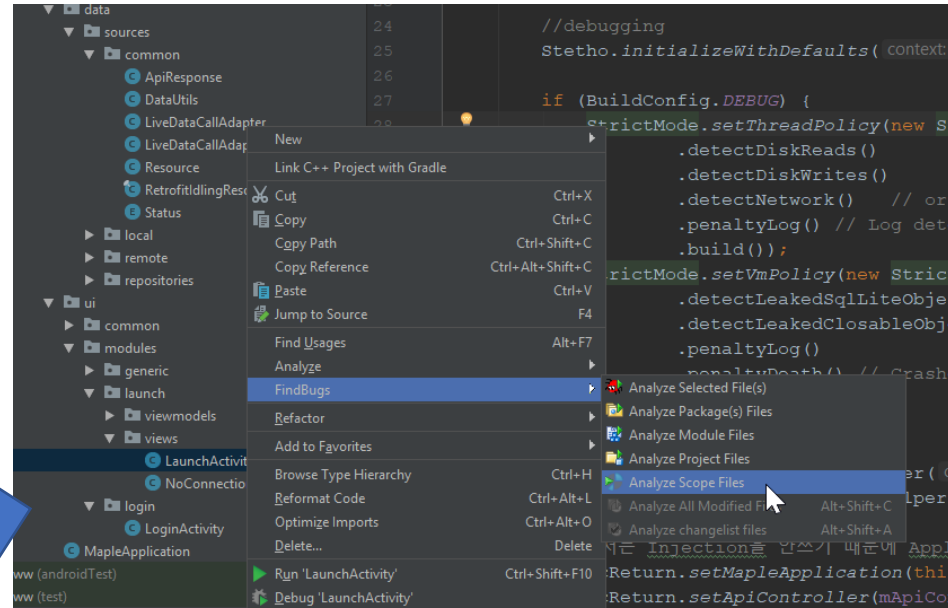
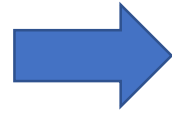
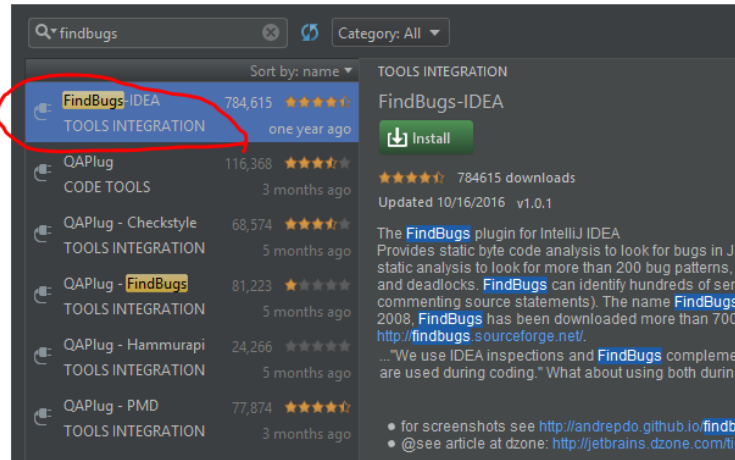
3-2. Click "CheckStyle" at bottom

3-3. Select Rules "MMR2" (that is registered previous page)

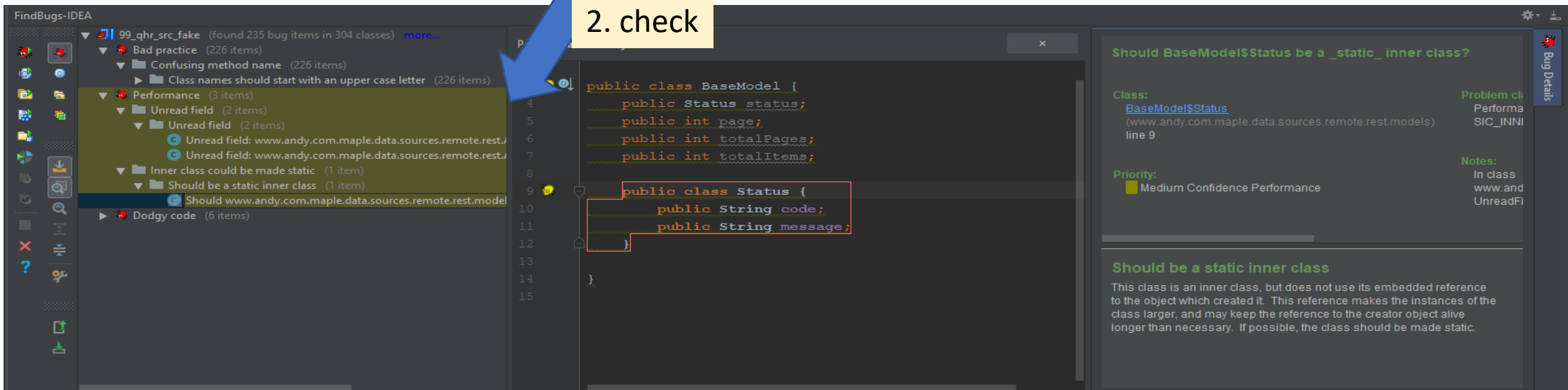
3-4. Run & Check



## 2-1. FindBugs <http://findbugs.sourceforge.net/>



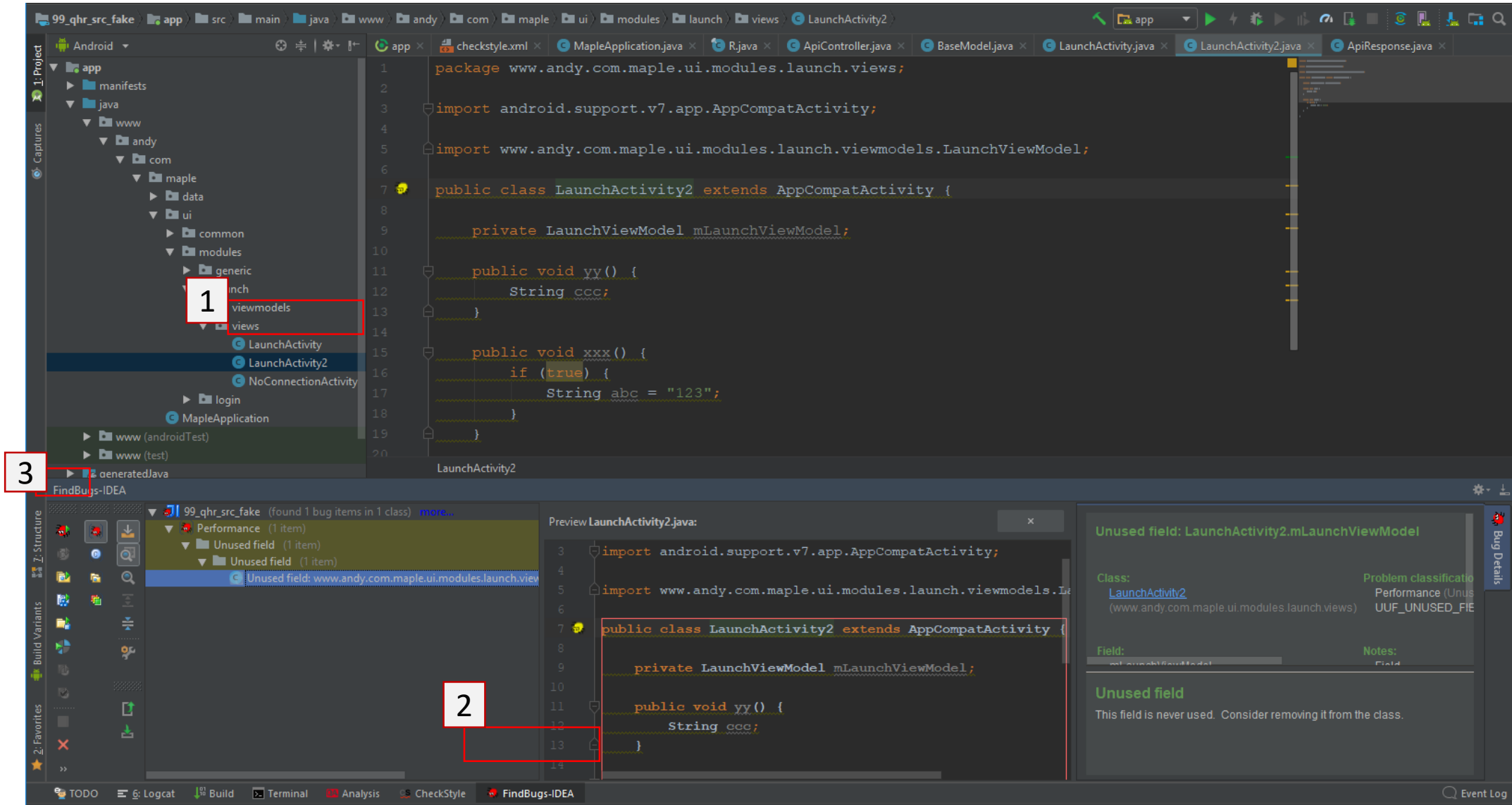
1. Analyze
  - Module
  - Project
  - Scope



FindBugs, a program which uses static analysis to look for bugs in Java code.

## 2-2. FindBugs

1. Select target file
2. Select Findbug at bottom
3. Run & check



### 3. PMD

[https://pmd.github.io/pmd-6.8.0/pmd\\_rules\\_java.html](https://pmd.github.io/pmd-6.8.0/pmd_rules_java.html)

The screenshot shows the Android Studio interface with the PMD plugin installed. The left sidebar displays the 'Browse Repositories' view, where the PMD plugin is highlighted. A blue arrow points from the PMD plugin entry to the main editor area. The main editor area shows the 'Tools' menu with 'QAPlug' selected, and the 'QAPlug' submenu with 'Analyze Code...' highlighted. The bottom panel shows the 'Analysis Results' view, which displays a list of PMD rules and their locations. A red box highlights the 'Avoid Duplicate Literals' rule, which is triggered in the 'LaunchActivity.java' file. The right sidebar shows the 'Problem synopsis' for this rule, stating: 'Avoid printStackTrace(); use a logger call instead.'

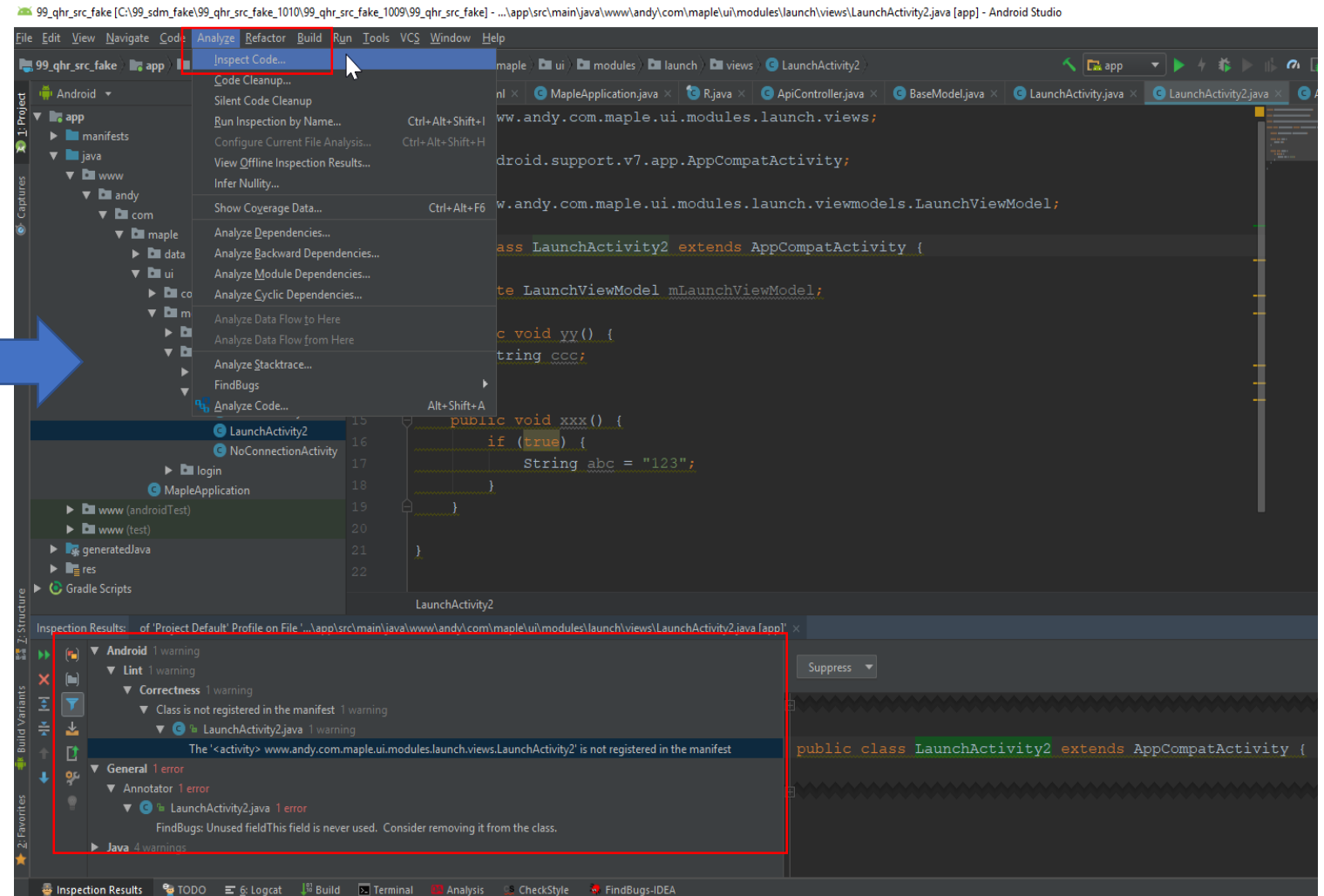
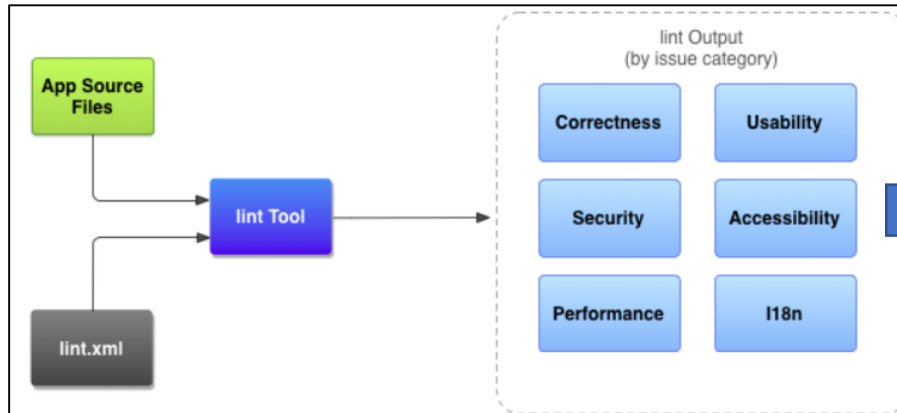
1. Analyze code

- check source code
- modify using recommend

PMD is a source code analyzer. It finds common programming flaws like unused variables, empty catch blocks, unnecessary object creation, and so forth

## 4. Android Lint

<https://developer.android.com/studio/write/lint>



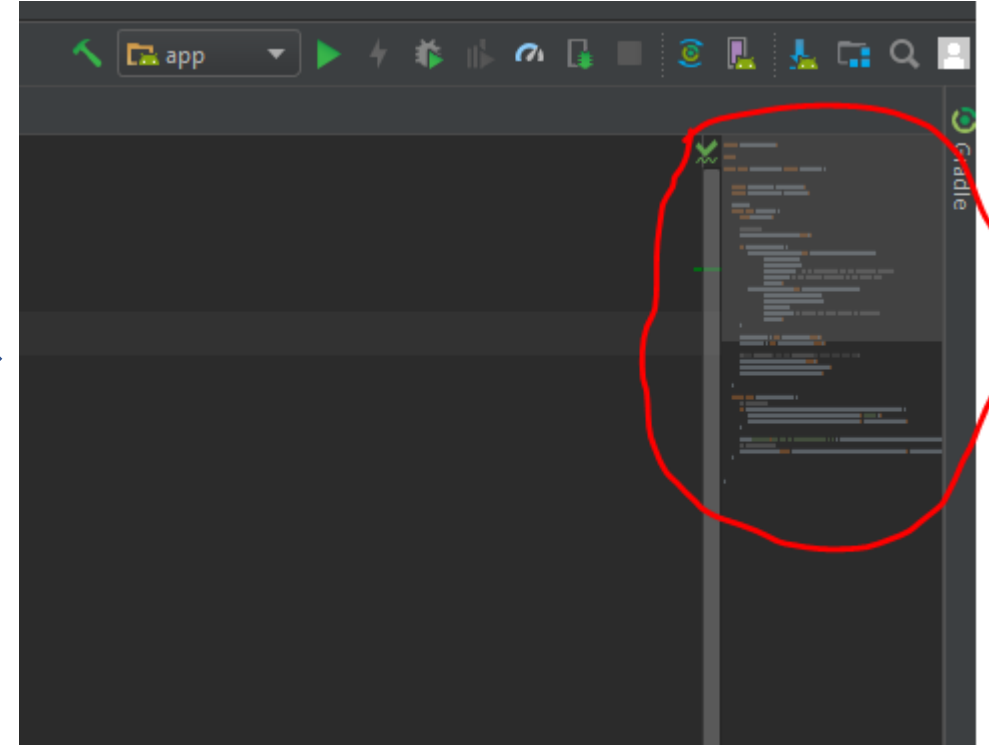
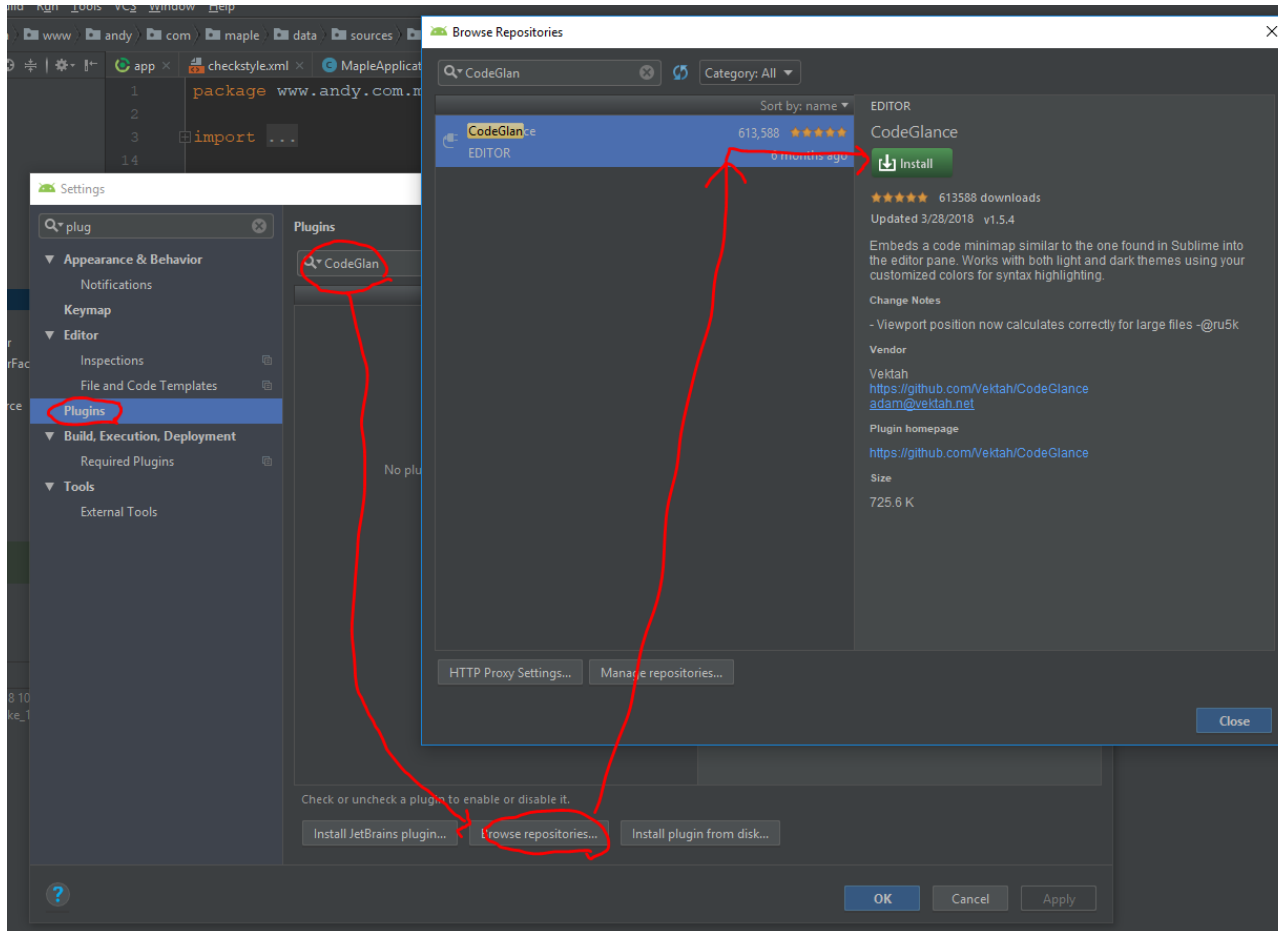
The lint tool helps find poorly structured code can impact the reliability and efficiency of your Android apps and make your code harder to maintain.

# Other Plugin

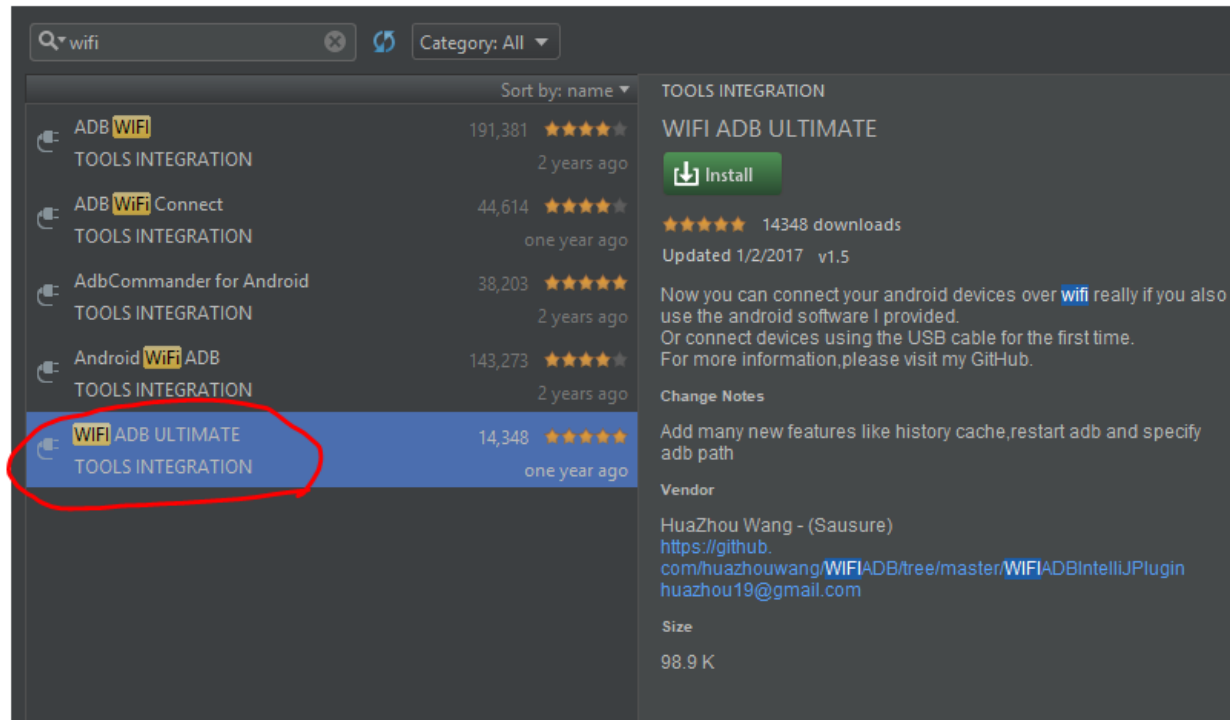
- CodeGlan
- WIFI ADB ULTIMATE D
- Parcelable code generator
- Android API Level
- ColorManager
- Grep Console



## \* CodeGlan – mini code tab



# \* WIFI ADB ULTIMATE – wifi-adb



The screenshot shows the Google Play Store interface with a search for 'wifi'. The results list several tools, with 'WIFI ADB ULTIMATE' highlighted by a red circle. The details for this app are shown on the right.

App Name	Downloads	Rating	Updated	Version
ADB WIFI	191,381	★★★★★	2 years ago	
ADB WIFI Connect	44,614	★★★★★	one year ago	
AdbCommander for Android	38,203	★★★★★	2 years ago	
Android WIFI ADB	143,273	★★★★★	2 years ago	
<b>WIFI ADB ULTIMATE</b>	<b>14,348</b>	<b>★★★★★</b>	<b>one year ago</b>	

**TOOLS INTEGRATION**

### WIFI ADB ULTIMATE

**Install**

★★★★★ 14348 downloads  
Updated 1/2/2017 v1.5

Now you can connect your android devices over **wifi** really if you also use the android software I provided.  
Or connect devices using the USB cable for the first time.  
For more information, please visit my Git-Hub.

**Change Notes**

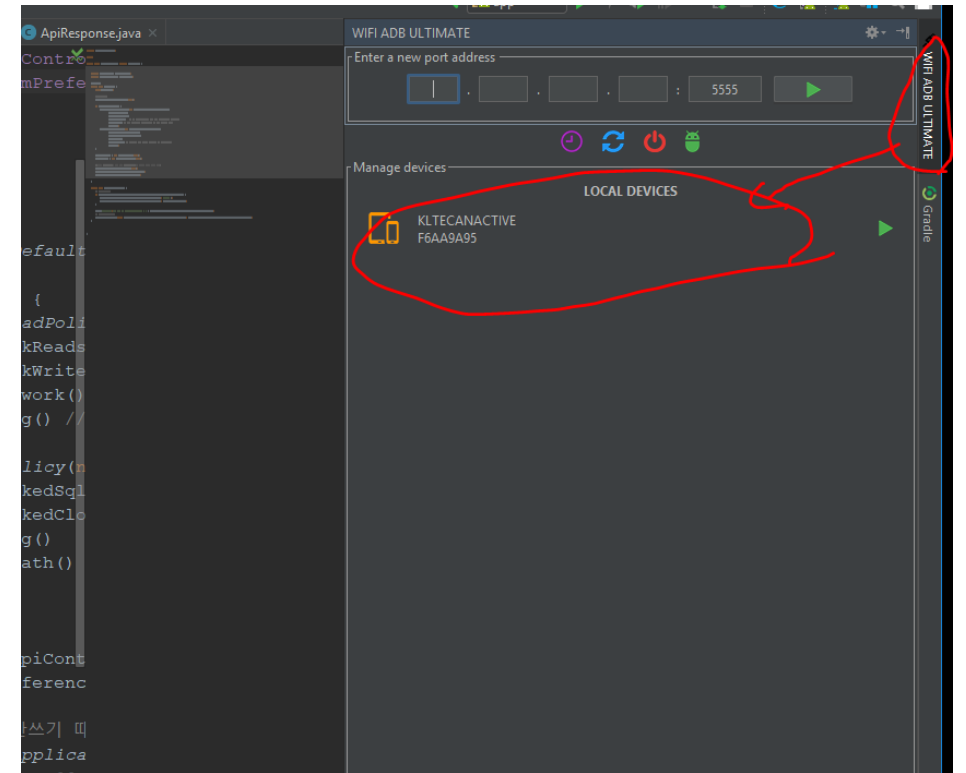
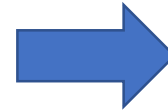
Add many new features like history cache, restart adb and specify adb path

**Vendor**

HuaZhou Wang - (Sausure)  
<https://github.com/huazhouwang/WIFIADB/tree/master/WIFIADBIntelliJPlugin>  
[huazhou19@gmail.com](mailto:huazhou19@gmail.com)

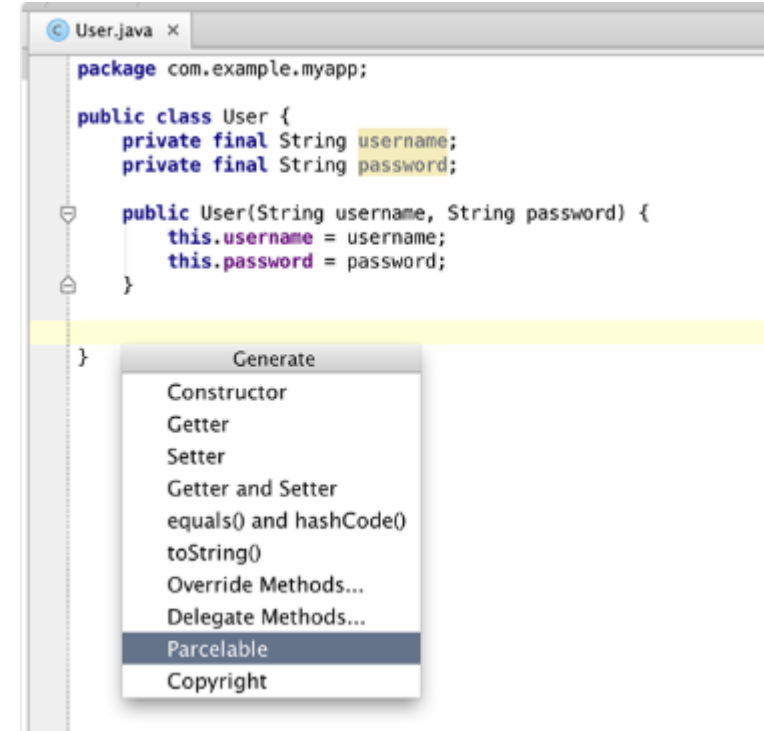
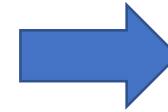
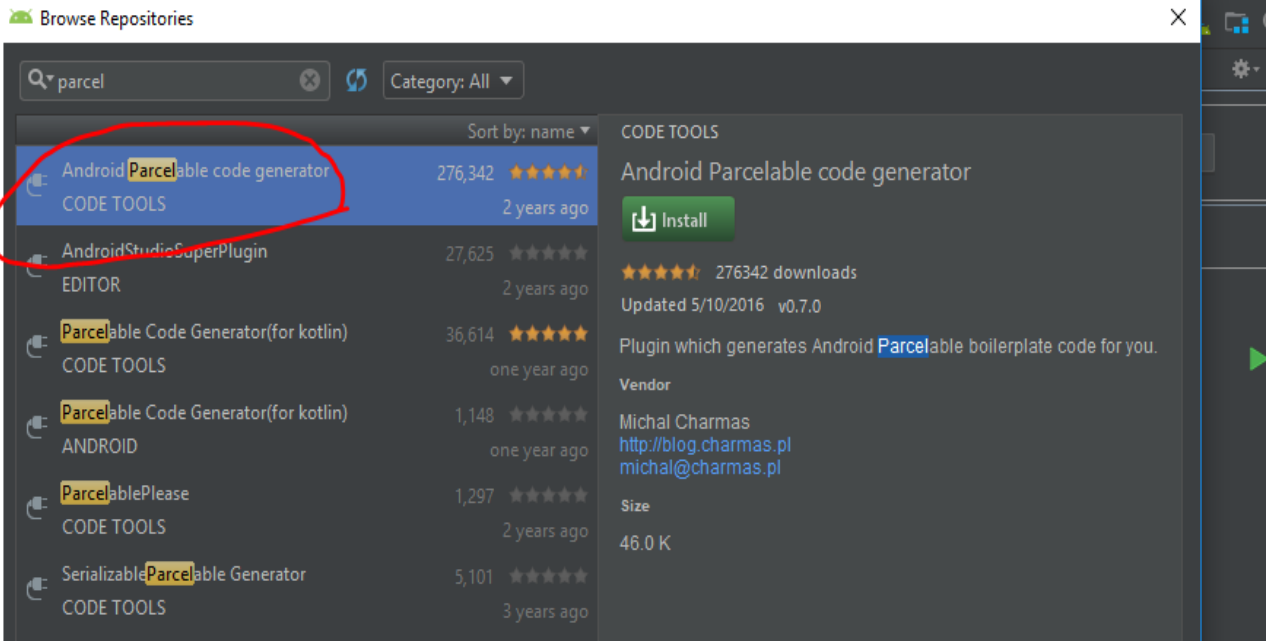
**Size**

98.9 K

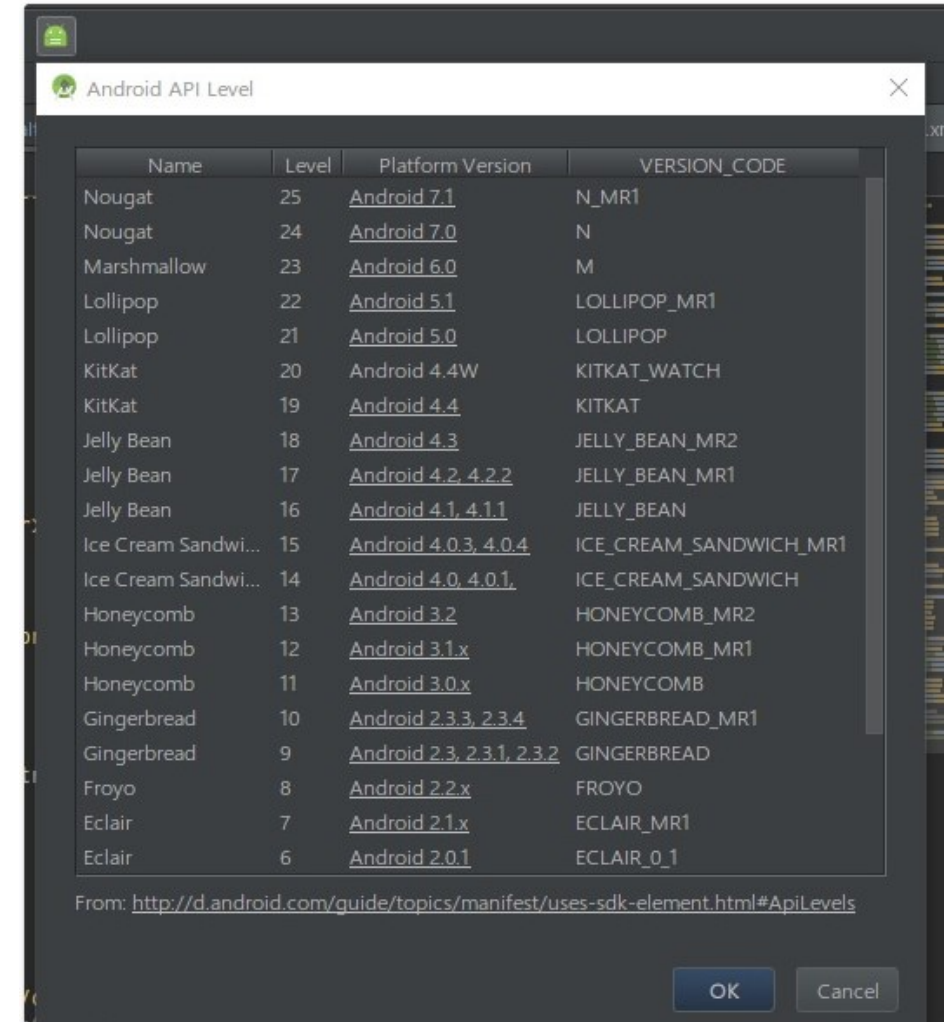
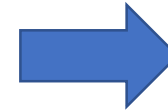
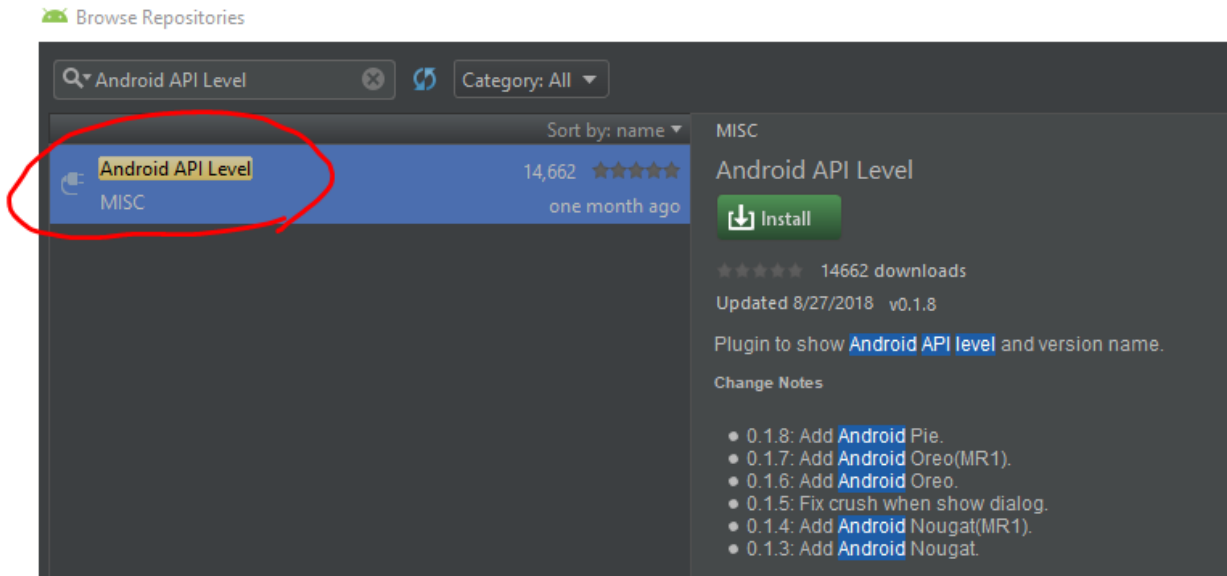


The screenshot shows the application interface for 'WIFI ADB ULTIMATE'. The title bar is highlighted with a red circle. The interface includes a port address input field set to '5555' and a 'Manage devices' section. A red circle highlights the 'LOCAL DEVICES' section, which lists a device named 'KLTecanActive' with ID 'F6AA9A95'. The background shows a code editor with Java code.

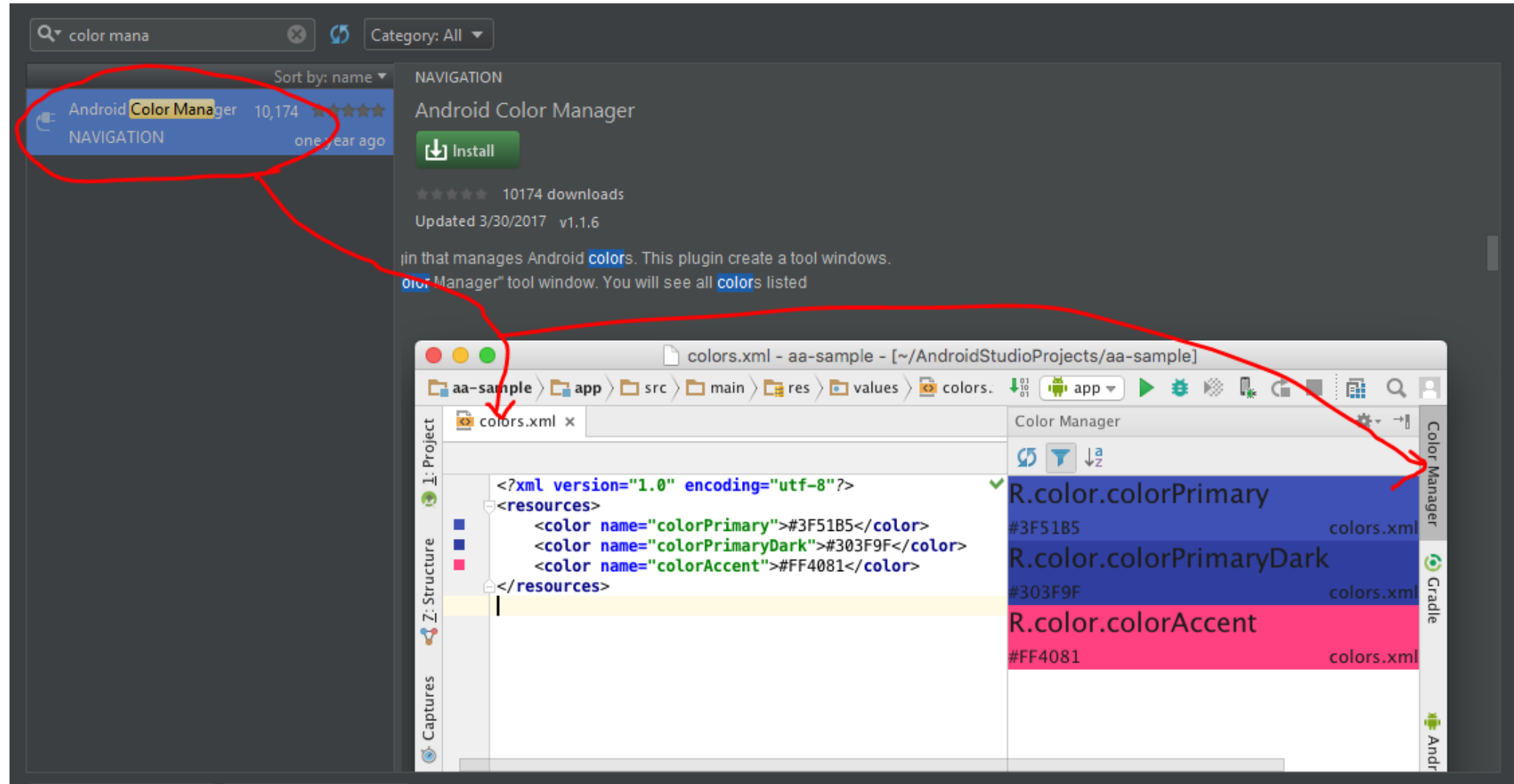
# \* Parcelable code generator



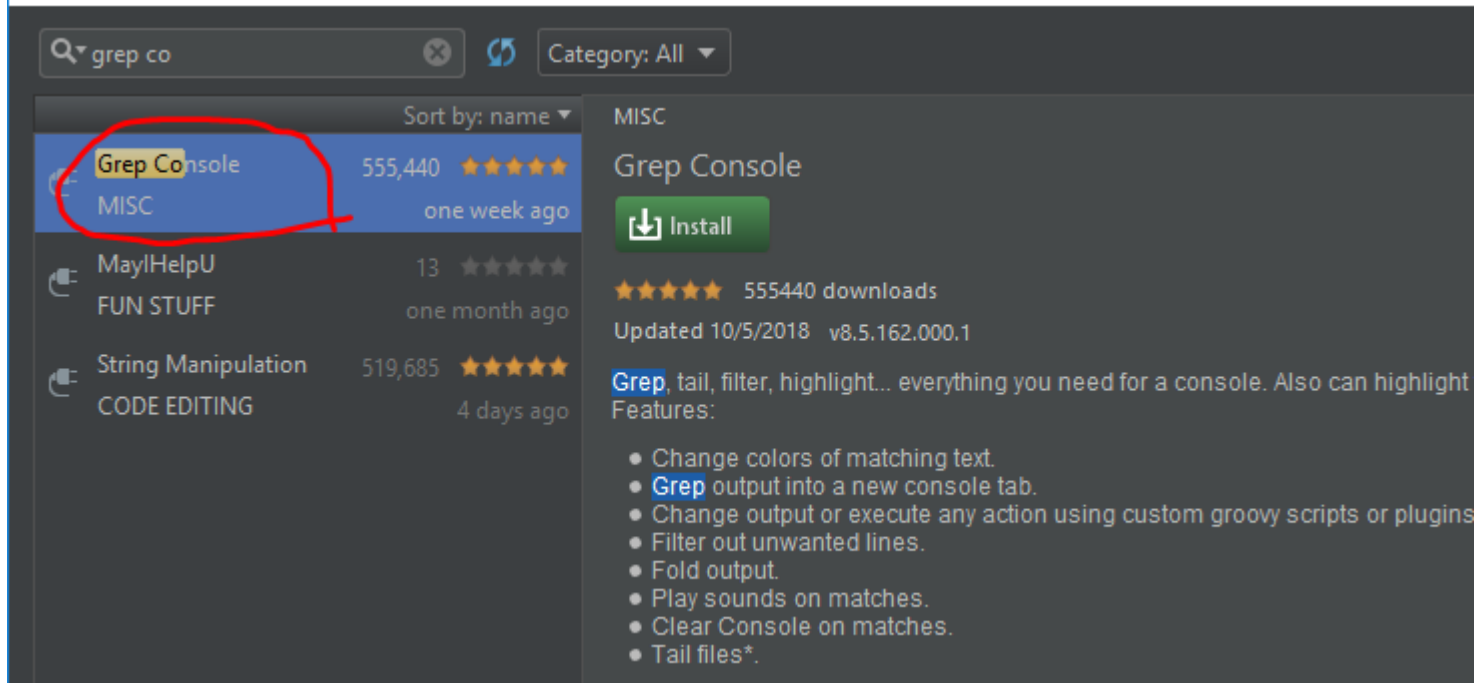
# \* Android API Level



# \* ColorManager



## \* Grep Console



Search: grep co Category: All

Sort by: name

Plugin Name	Downloads	Rating	Updated
<b>Grep Console</b>	555,440	★★★★★	one week ago
MayIHelpU	13	★★★★★	one month ago
String Manipulation	519,685	★★★★★	4 days ago

**Grep Console**

MISC

Install

★★★★★ 555440 downloads

Updated 10/5/2018 v8.5.162.000.1

**Grep**, tail, filter, highlight... everything you need for a console. Also can highlight

Features:

- Change colors of matching text.
- **Grep** output into a new console tab.
- Change output or execute any action using custom groovy scripts or plugins
- Filter out unwanted lines.
- Fold output.
- Play sounds on matches.
- Clear Console on matches.
- Tail files\*.