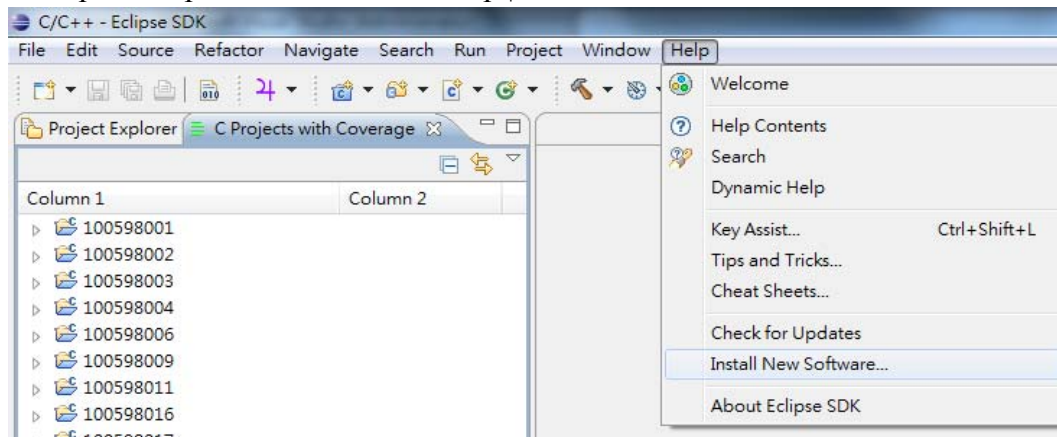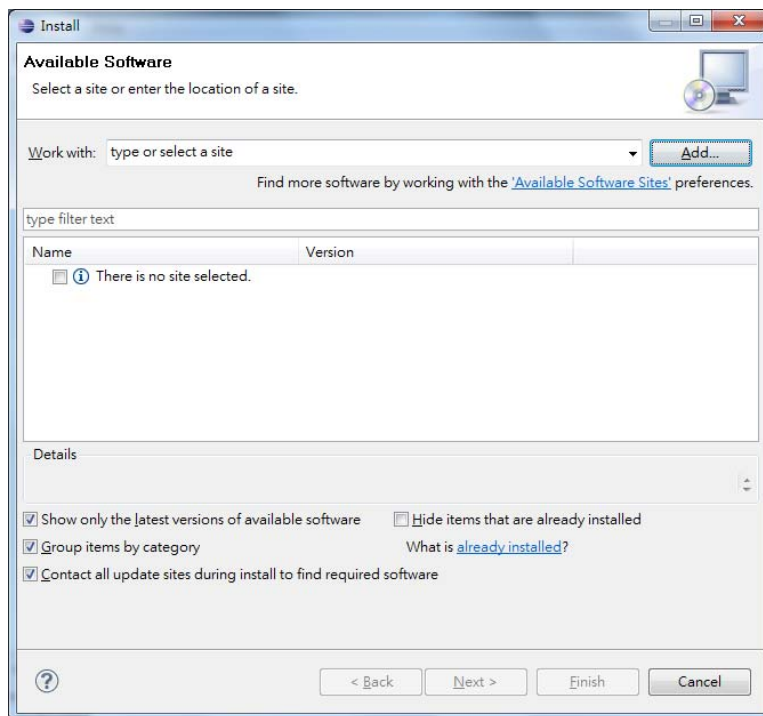# gcov plugin for Eclipse
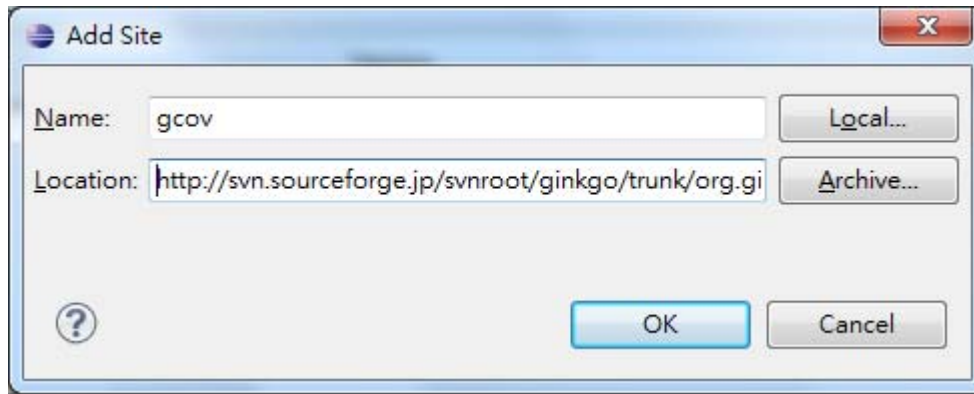
1. Open Eclipse and Select the "Help | Install New Software"
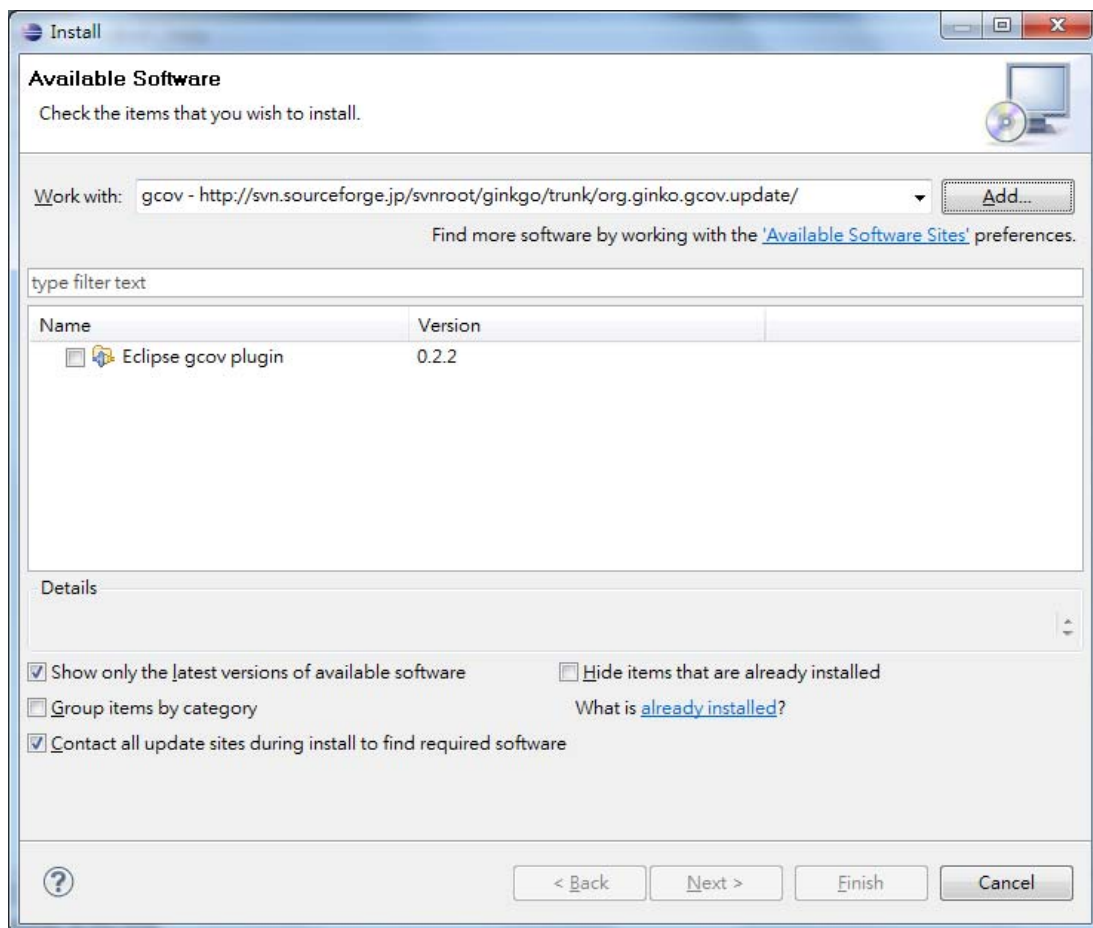

2. Click "Add" button

3. Fill in "gcov" in " Name" field and "http://svn.sourceforge.jp/svnroot/ginkgo/trunk/org.ginko.gcov.update/" in "Location" field
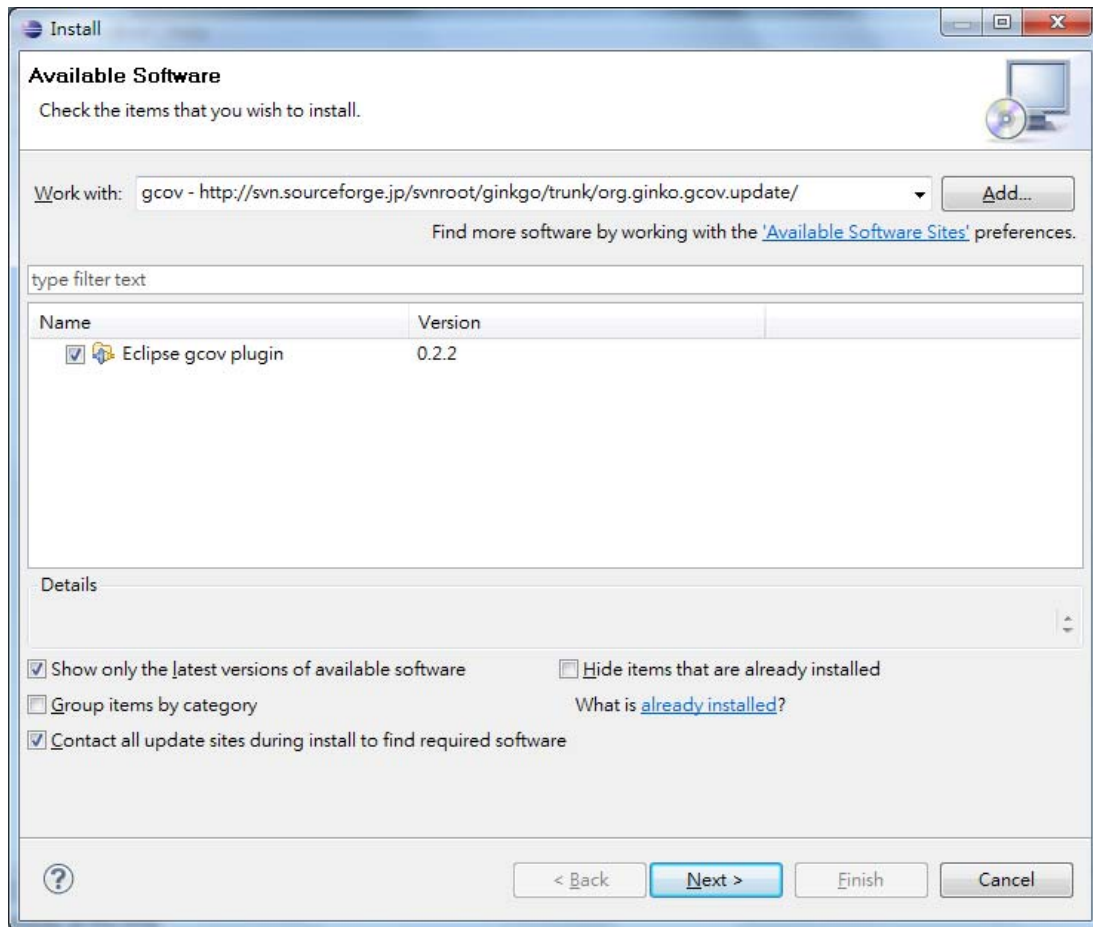
4. Click "OK" button

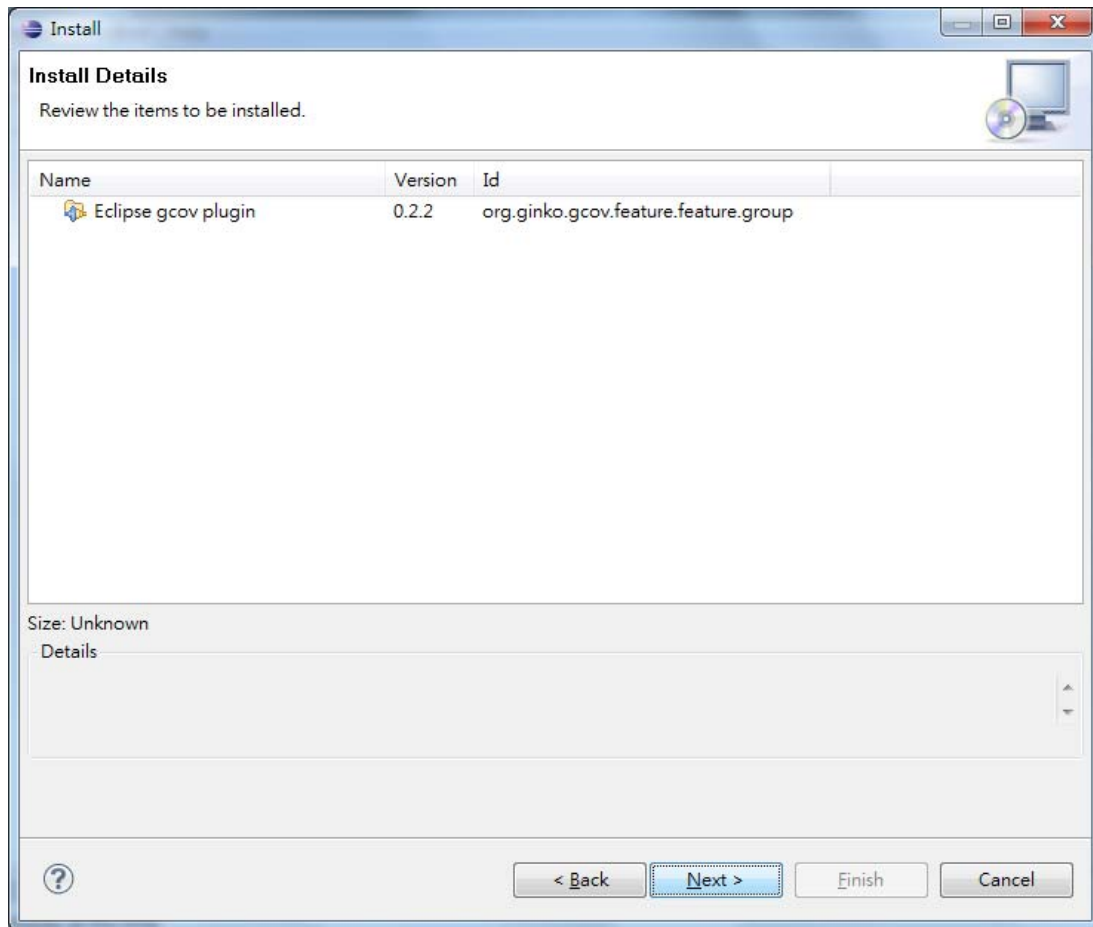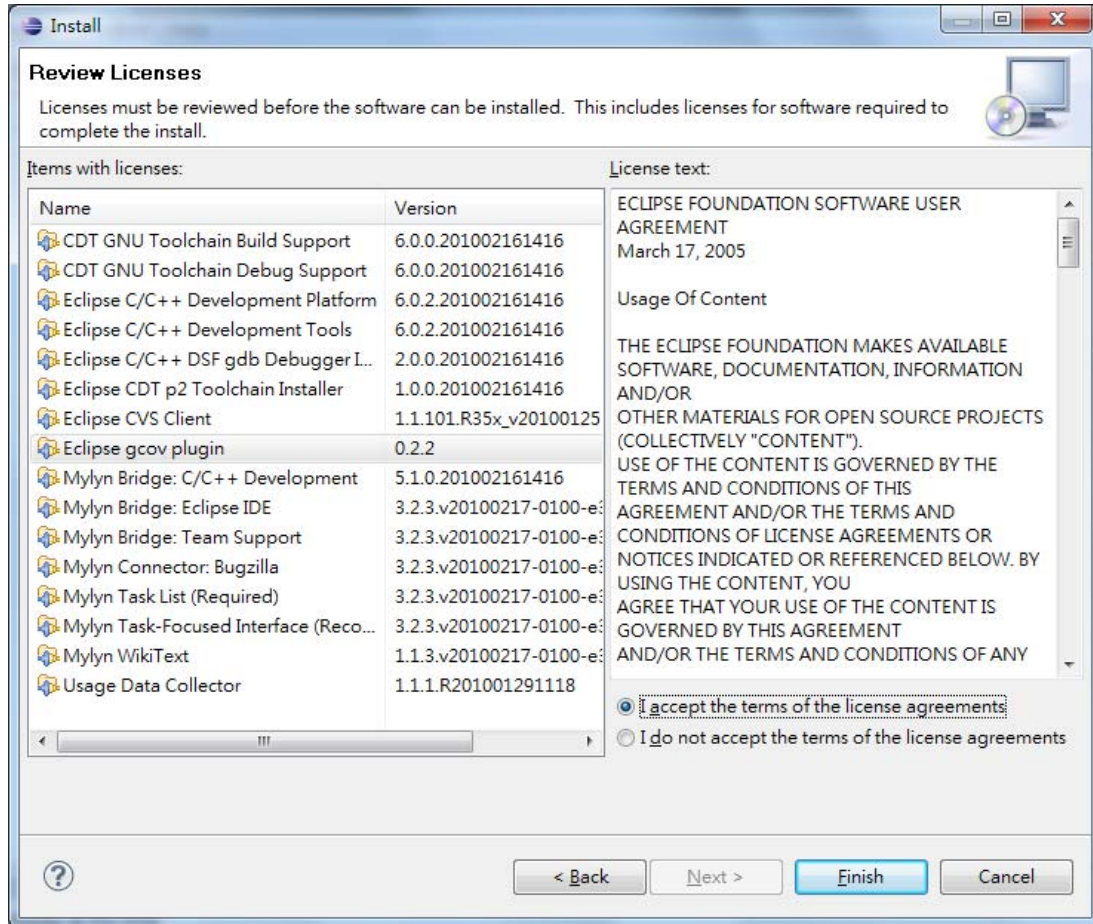5. Make sure the "Group items by category" check box is unchecked

6. Check the "Eclipse gcov plugin" and Click "Next" button

7. Click "Next" button

8. Select "I accept the terms of the license agreements" radio button and click "Finish" button

9. Restart the Eclipse

10. Right-Click on the project, and select "Properties"
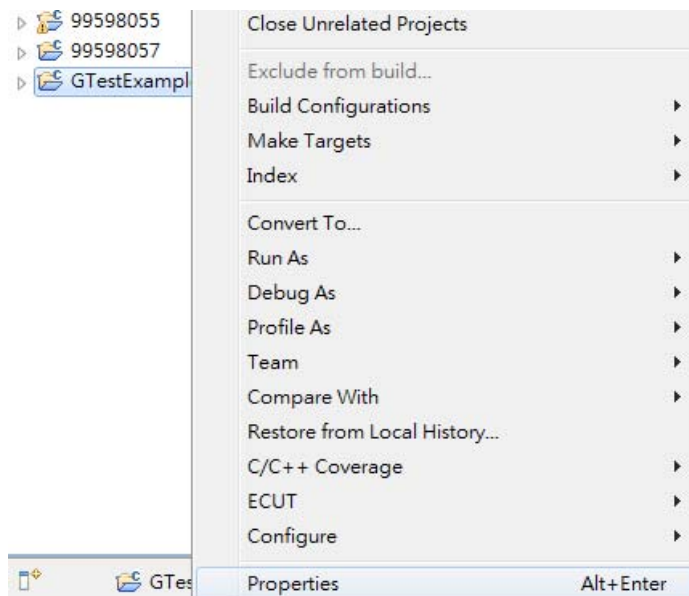
11. Select "C Coverage" from the right side, and check the "Activate nature"
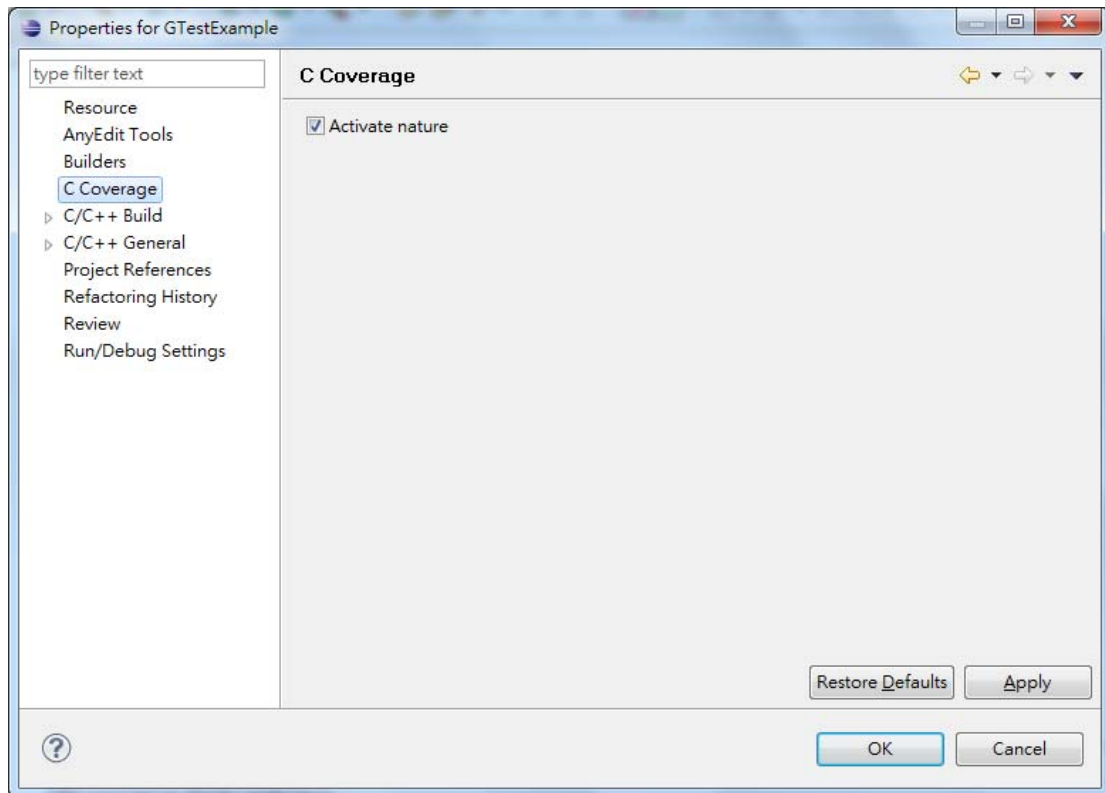
12. Select "C/C++ Build | Settings" from the right side, select "GCC C++ Compiler |
    Miscellaneous" from the "Tool Setting", and append " -fprofile-arcs
    -ftest-coverage" to the tail of "Other flags"
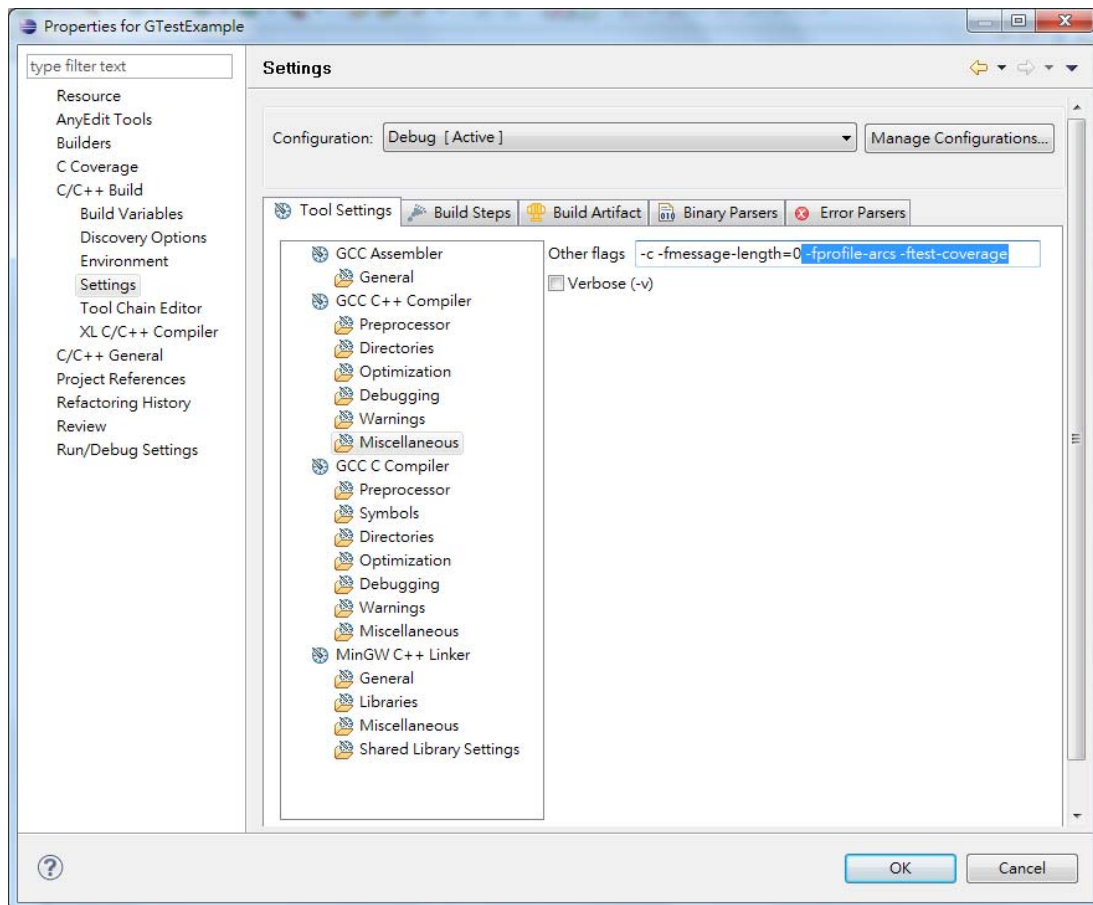
13. Select "GCC C Compiler | Miscellaneous" from the "Tool Setting", and append
    " -fprofile-arcs -ftest-coverage" to the tail of "Other flags"
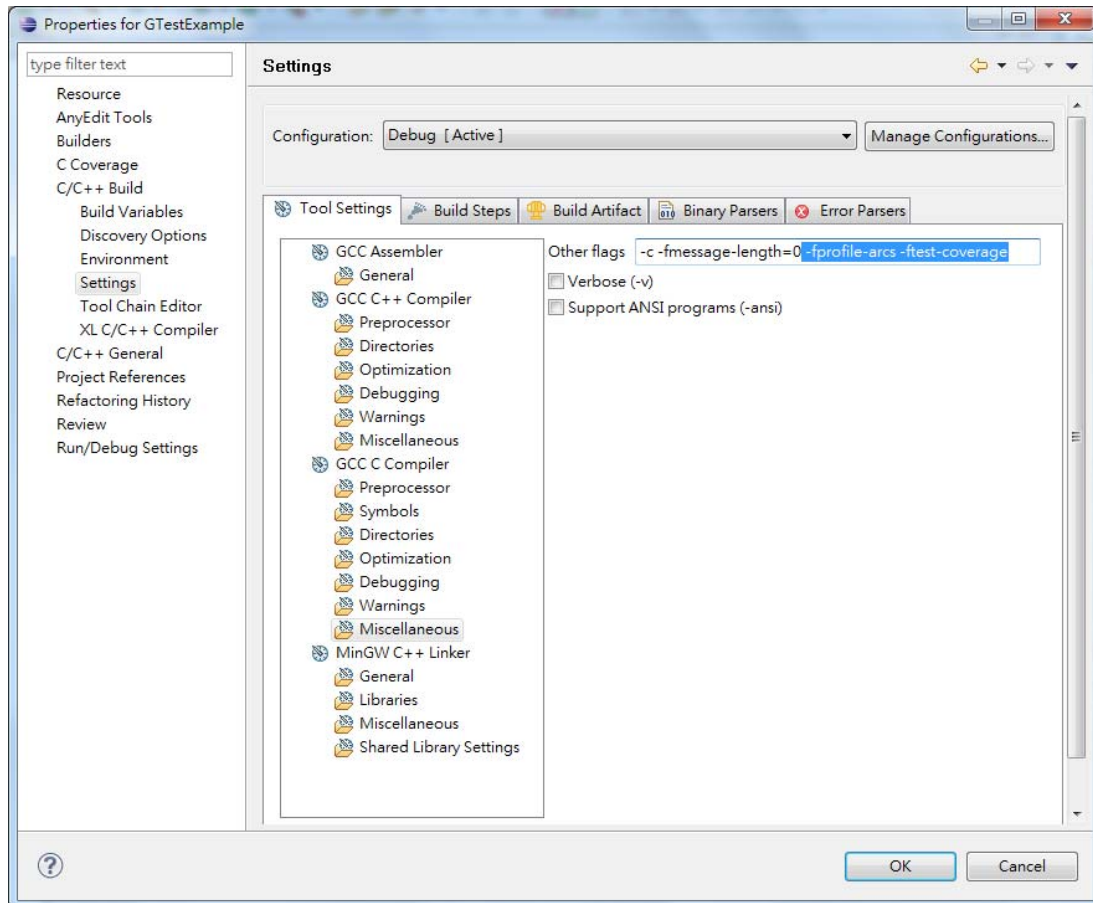
14. Select "MinGW C++ Linker | Miscellaneous" from the "Tool Setting", and append " -fprofile-arcs -ftest-coverage" to the tail of "Other flags"
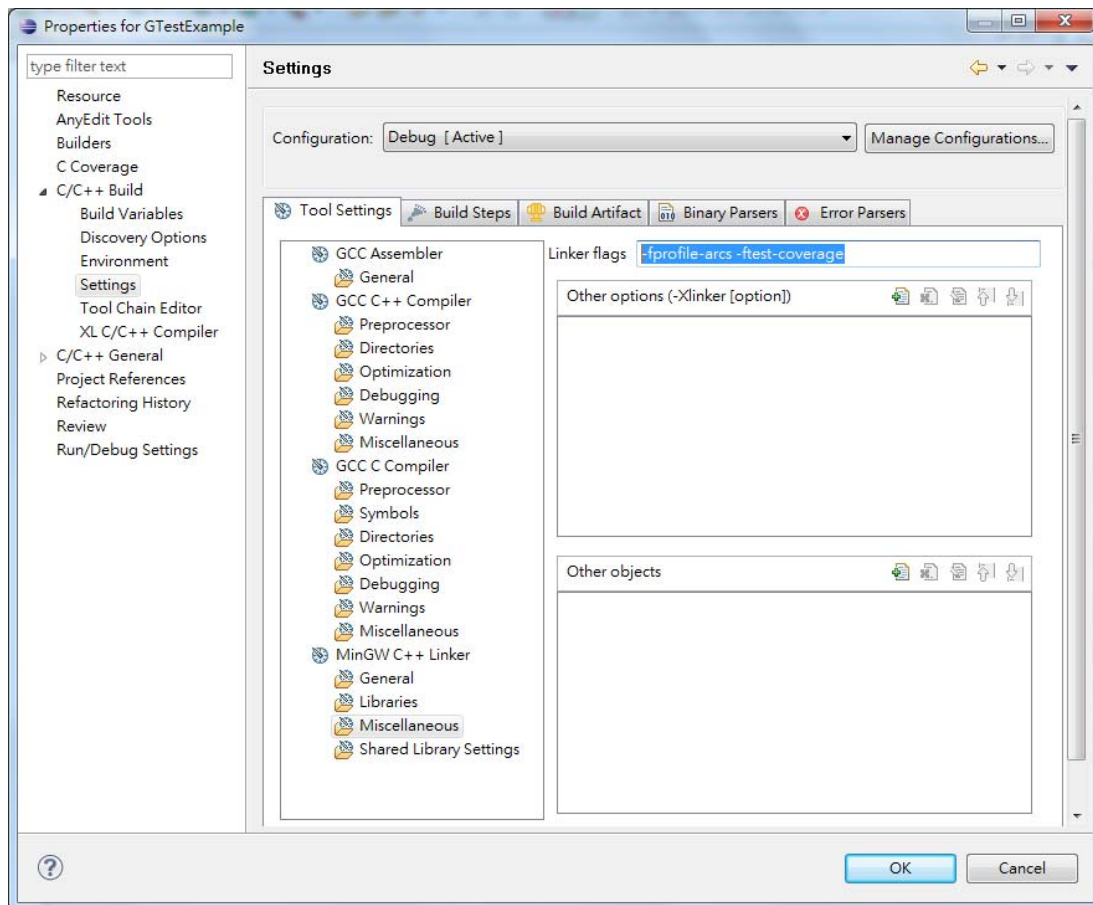
15. Click "OK" button

16. Select "Window | Show View | Other…"
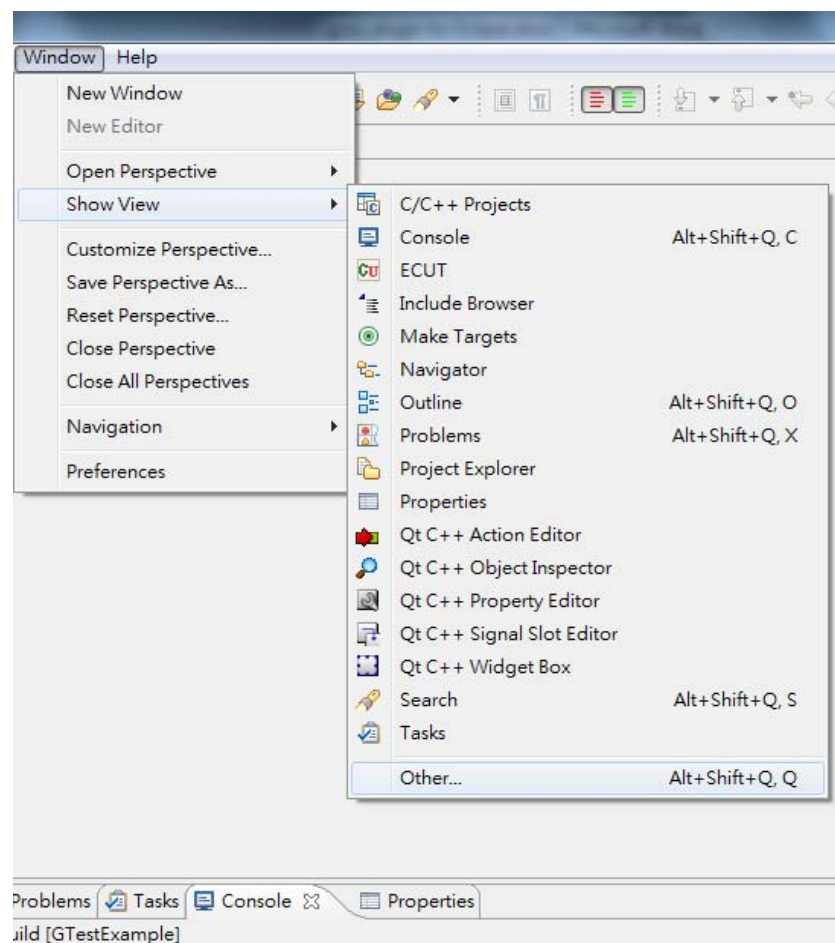
17. Select "C Projects with Coverage", and click "OK" button

18. Re-Build your project via "Project | Build Project"

19. Execute your program via "Run | Run"

20. Right-click on your project, and select "Refresh"

21. Double-Click a CPP file to show the code coverage

File   Edit   Source   Refactor   Navigate   Search   Run   Project   Window   Help

Project Explorer | C Projects with Coverage ⋈   main.cpp ⋈

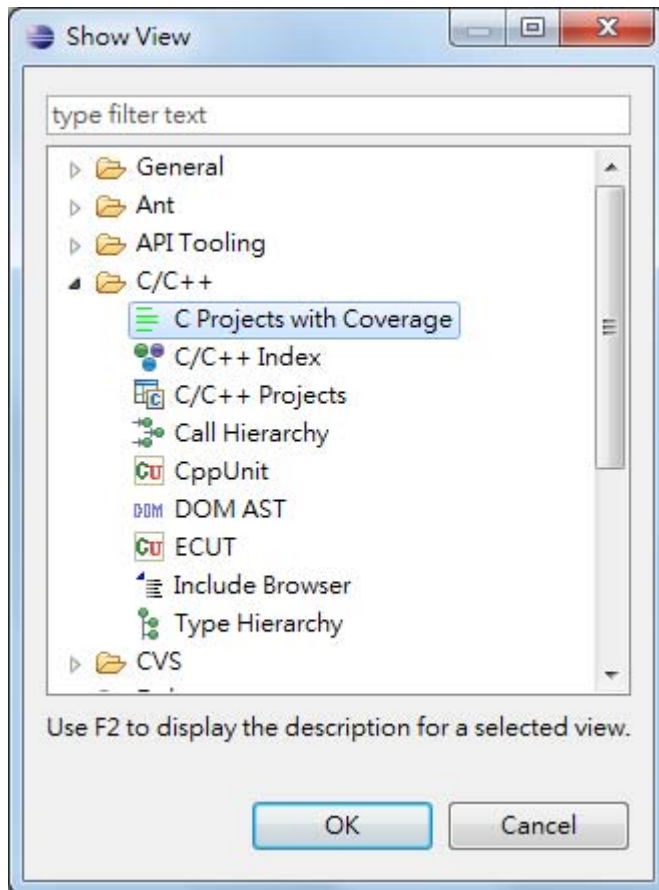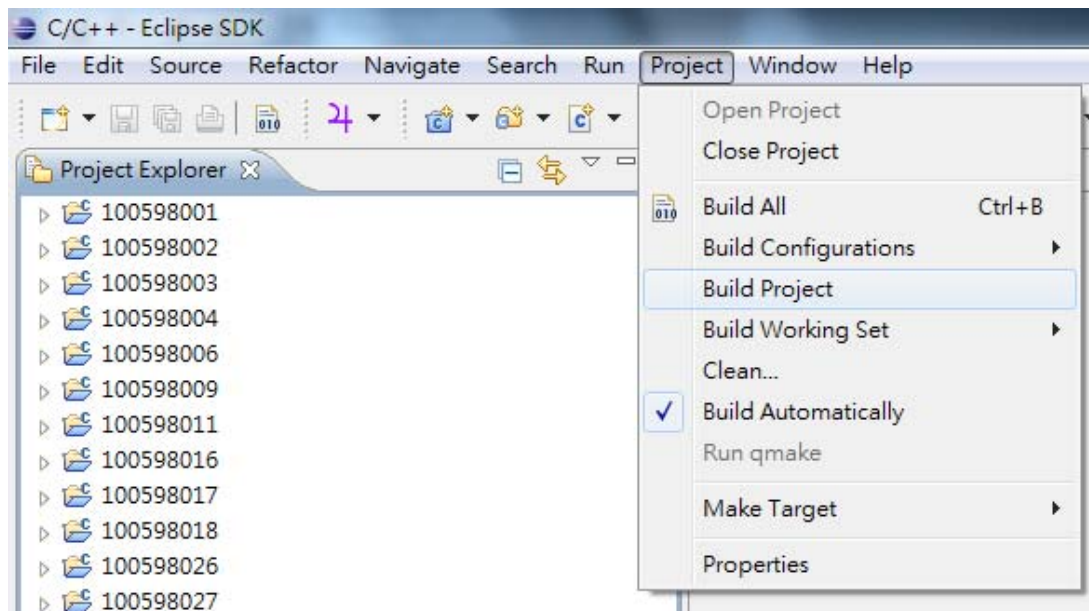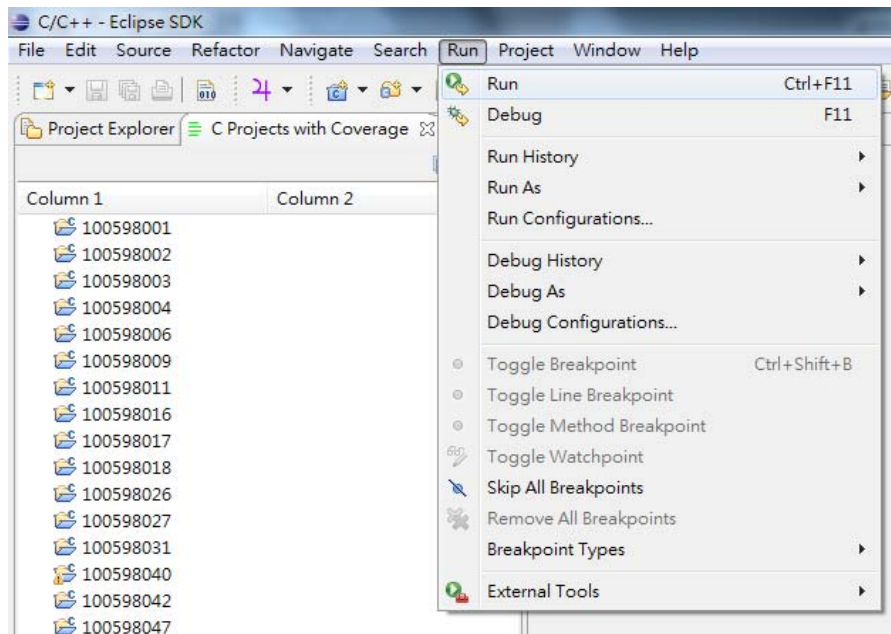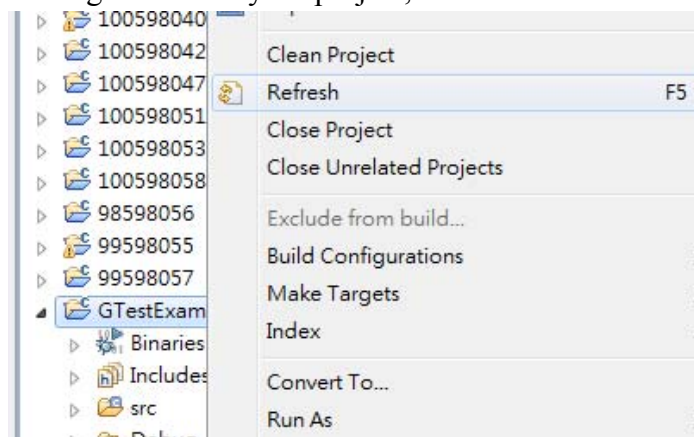| Column 1	Column 2
▷ 100598001	
▷ 100598002	
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▷ 100598051	
▷ 100598053	
▷ 100598058	
▷ 98598056	
▷ 99598055	
▷ 99598057	
▲ GTestExample	
▷ Binaries	
▷ Includes	
▲ src	
▷ main.cpp	
▷ sample1_unittest	
▷ sample1.cc	
▷ sample1.h	

```cpp
1 /*
2  * main.cpp
3  *
4  *  Created on: 2011/10/6
5  *      Author: SnowWolf725
6  */
7
8 #include <iostream>
9 #include <gtest/gtest.h>
10
11 int main(int argc, char * argv[])
12 {
13     testing::InitGoogleTest(&argc, argv);
14     int result = RUN_ALL_TESTS();
15     if(result == false)
16         return true;
17     else
18         return false;
19 };
20
```

Problems | Tasks | Console ⋈ | Properties

gcov console

```
File 'c:\mingw\bin\..\lib/gcc/mingw32/4.5.2/in
Lines executed:0.00% of 16
Branches executed:0.00% of 16
Taken at least once:0.00% of 16
Calls executed:0.00% of 19
```