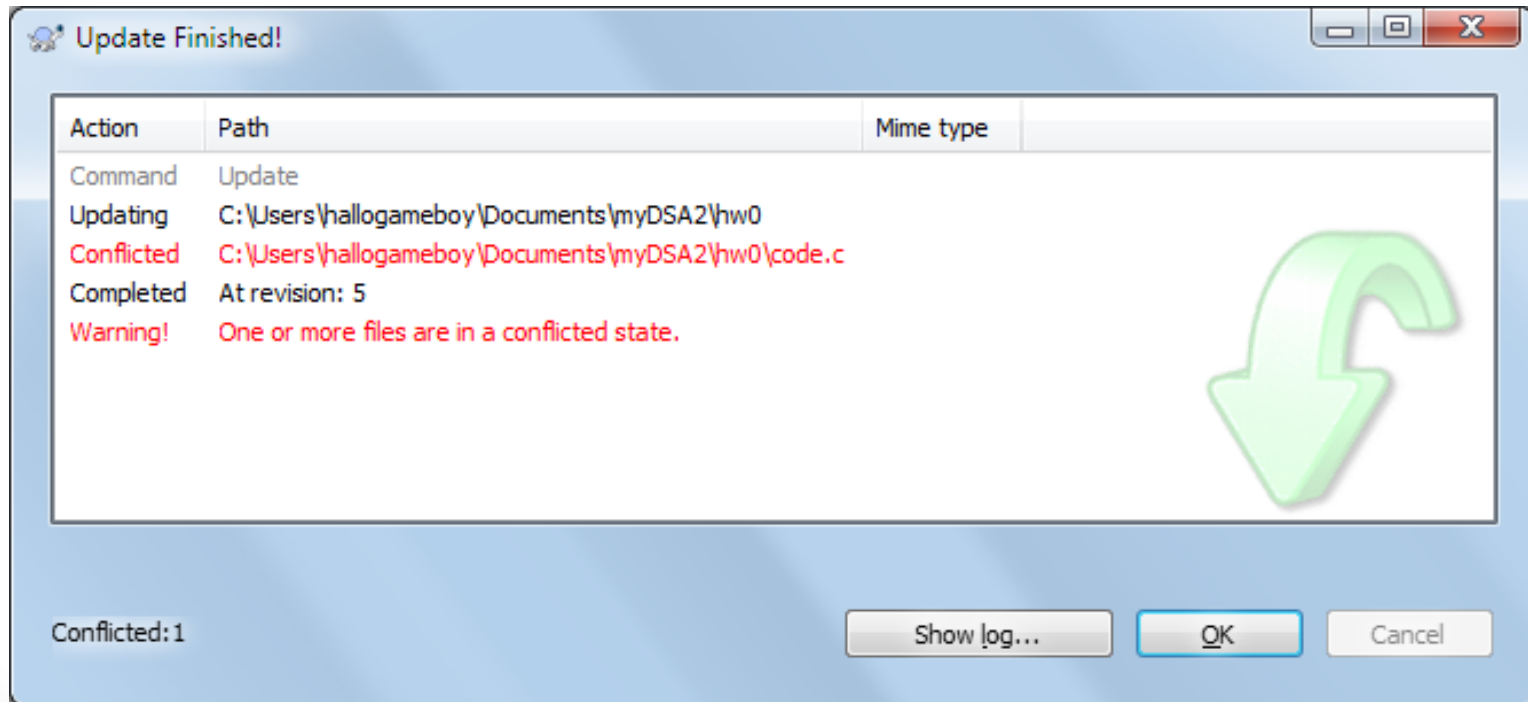


Something about SVN and make

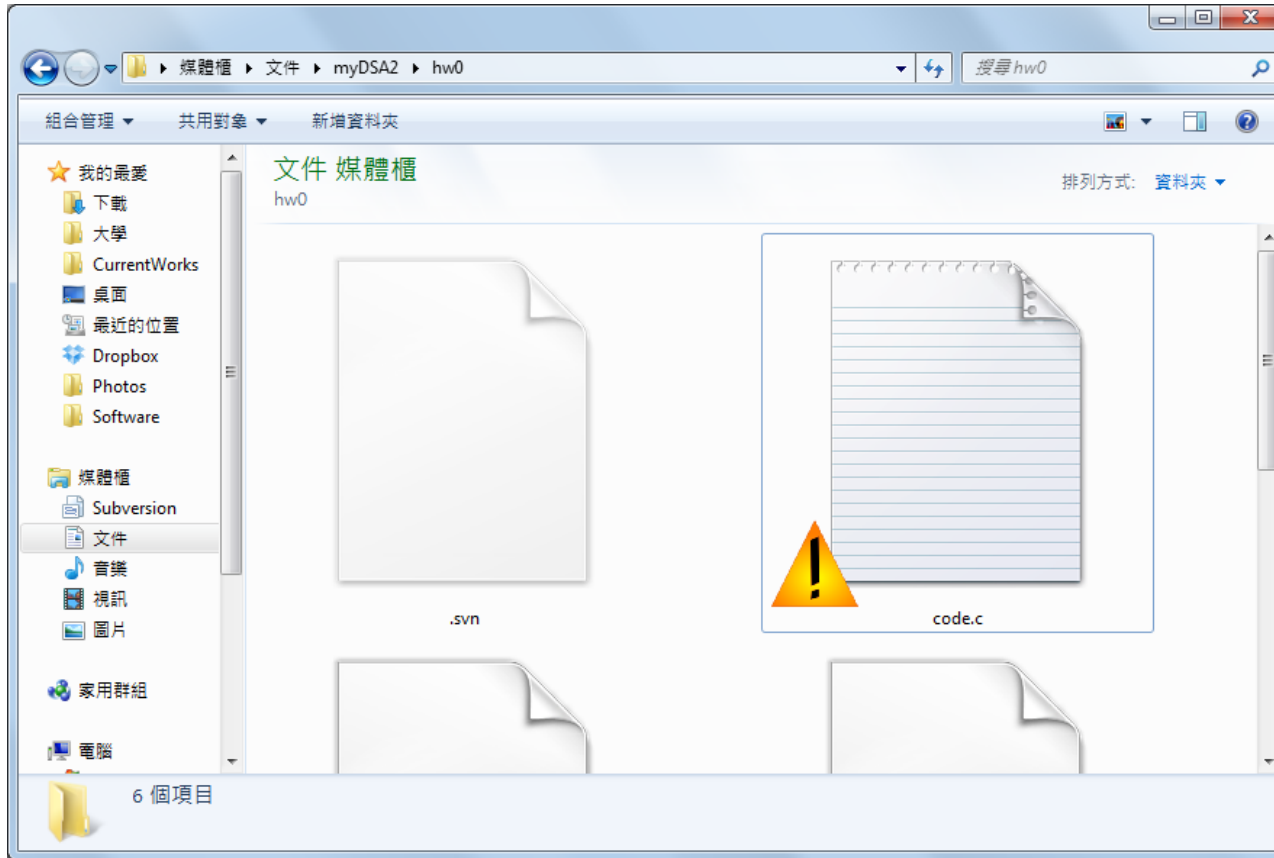
Conflict?!

# Update! But... Conflict?

- The conflict case will happen in the case updating/submitting file which has been edited by someone(somewhere) else.
- The reason is that the local files are different from the files in the repository.



# Conflicted File?!



# Content Difference

- The differences between local file and the file in the repository will be represented in the local file.

Repository Version.

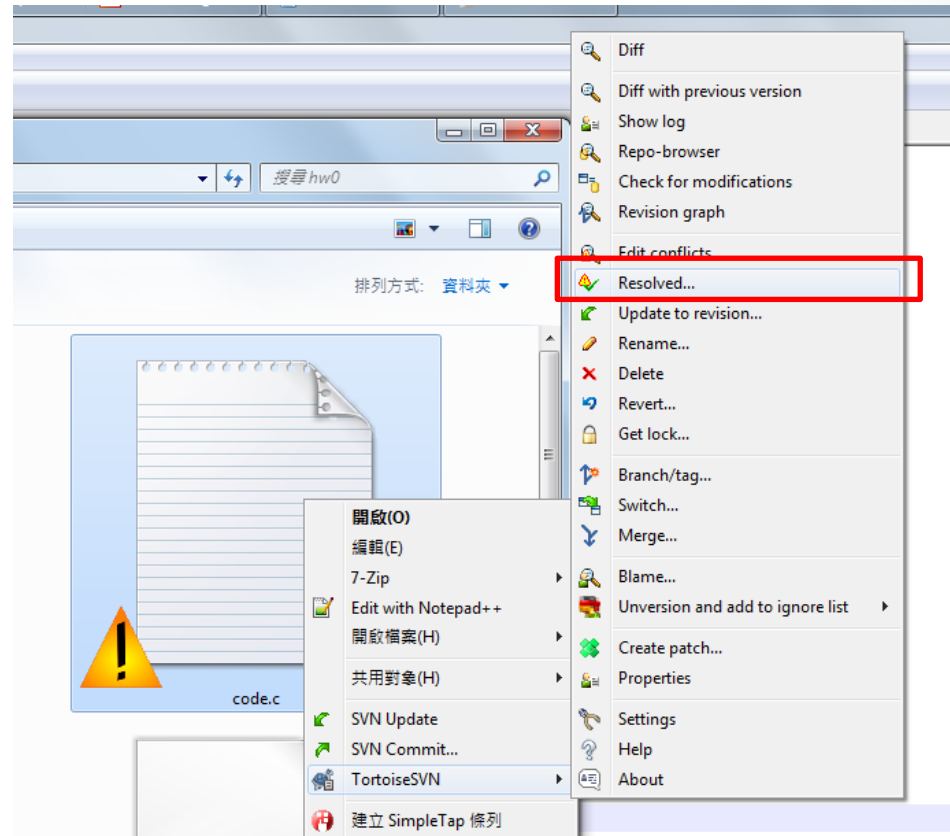
```
11 faskj
12 <<<<<< .mine
13
14
15 sadjkf
16 aakjsd
17 fasdjkf
18 dsajkf
19 dsajf
20 ajskdf
21 jsakdfa
22 sjdkfsajd
23 kf
24 jdsak
25 =====
26
27
28
29 kadjf
30 ksadflsa
31 daskjdfa
32 sdfkjalsdf
33 asdfkjsad
34 fasjdkf
35 sadkjfsadkf
36 jsakdfjkas
37 djfsakdjfksadj
38 ajskdfjkasdkf
39 kj>>>>>>> .r5
40
```

Local Version.

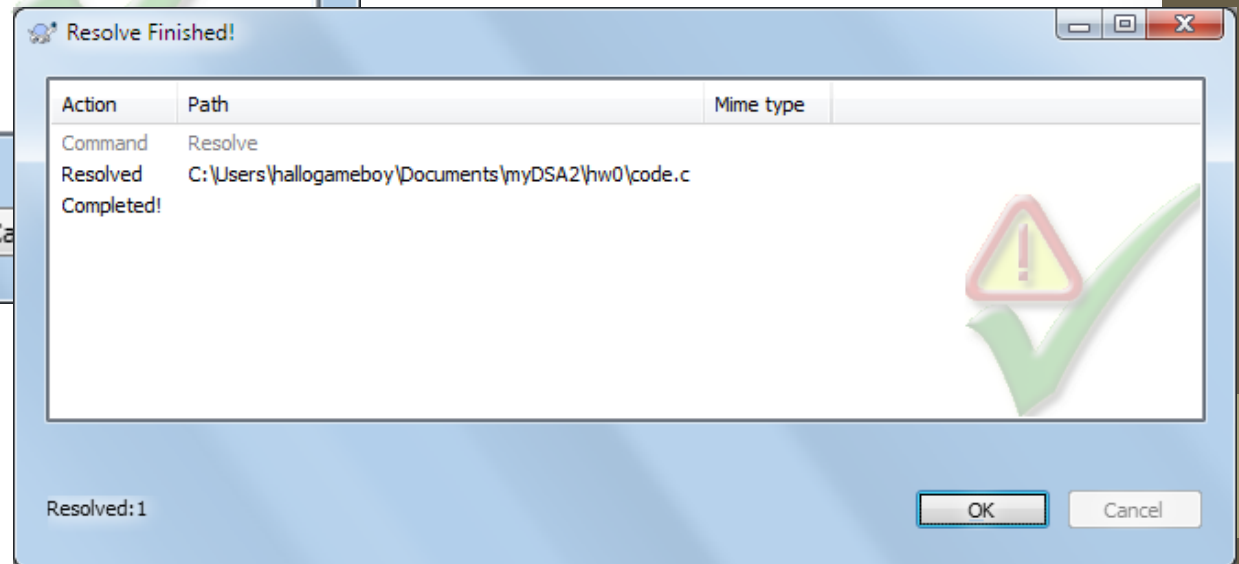
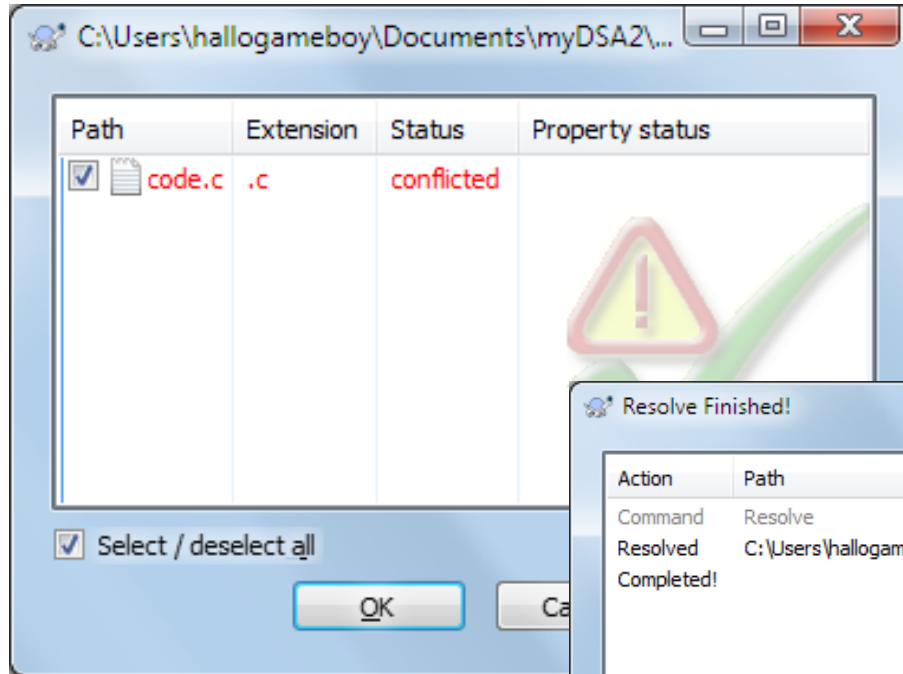
# Fix code and make it resolved

- To solve this condition, we may fix the code into a correct version.
- Then we can make code “Resolved” and cancel the conflicted case.

```
12  
13 blablabla  
14  
15 I am correct code!!
```

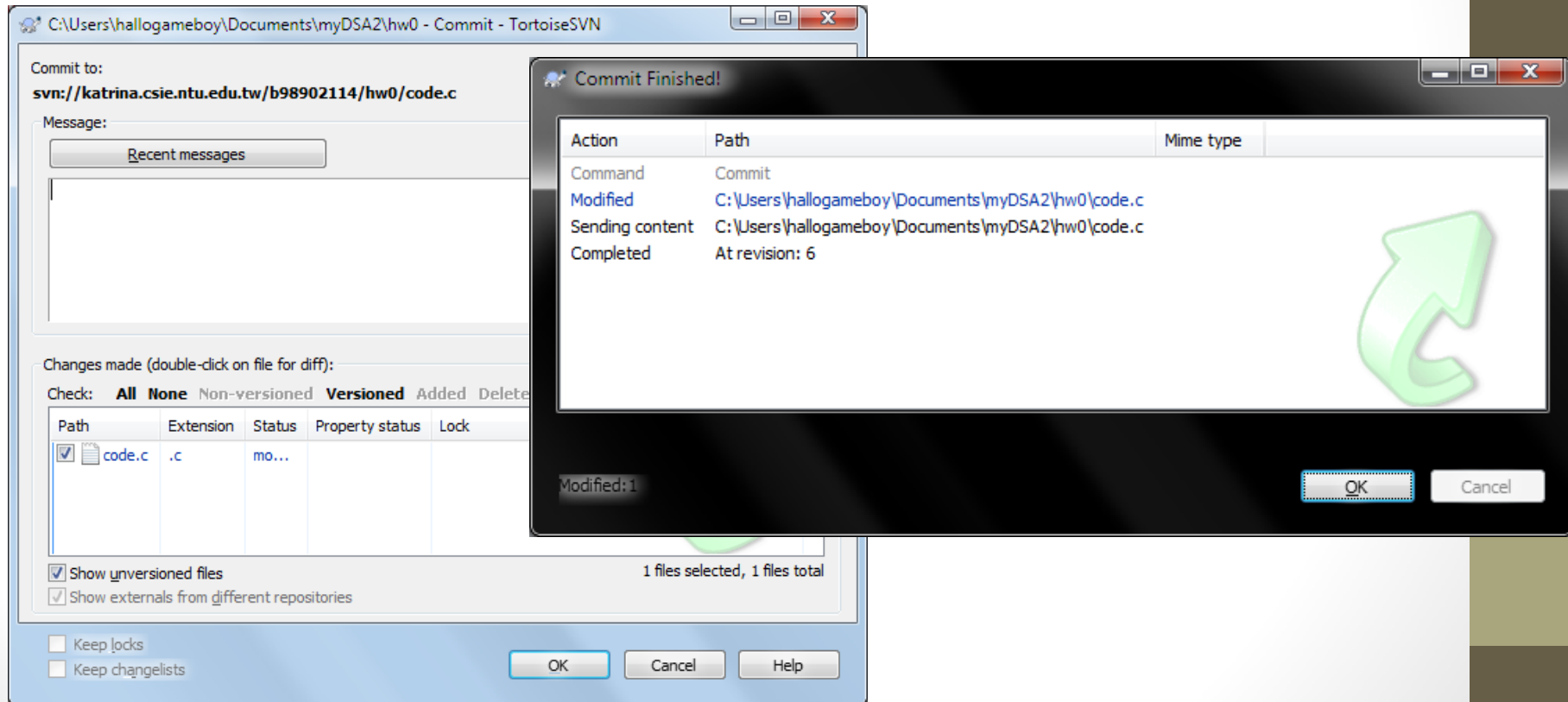


# Fix code and make it resolved(cont'd)



# Commit the files regularly.

- The “Resolved” only cancel the status of the files.
- We have to commit the file into the repository as normal.

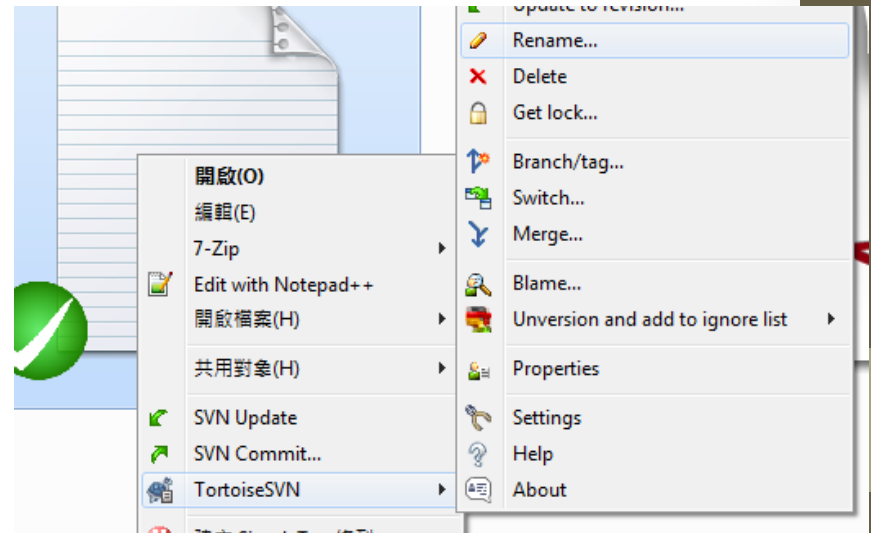




# Alterations in SVN

# Sync Issue between local & Repo.

- The side of repository CANNOT sync any alteration of local side all the time.
- So we should follow the SVN way to make alterations.
- Such as:
  - 1. add (add)
  - 2. rename (mv)
  - 3. delete (rm)
- After you do the alterations, the alterations will be synced with the commit operation.



Use SVN in worksataion

# SVN in command line

- 1. `svn checkout svn://katrina.csie.ntu.edu.tw/booxxxvvv/`  
`svn co svn://katrina.csie.ntu.edu.tw/booxxxvvv/`
- 2. `svn commit -m 'I am comment>///<'`  
`svn ci -m 'I am comment>///<'`
- 3. `svn add file.c`
- 4. `svn rm file.c`
- 5. `svn ls svn://katrina.csie.ntu.edu.tw/booxxxvvv/`  
`svn ls svn://katrina.csie.ntu.edu.tw/booxxxvvv/blabla/`
- 6. `svn log`
- 7. `svn resolved code.c`
- 8. `svn revert -r ?`
- 9. `svn help`  
`svn help blabla`

**Make in Windows**

# Common Problem

- 1. The C compiler
  - We can install the compiler package such as MinGW(<http://www.mingw.org/>)
  - The easier way is installing some IDE with compilers such as Dev-Cpp(<http://www.math.ncu.edu.tw/~jovice/c++/boards/devcpp.htm>)
- 2. Path Issue
  - When we use the compile command in command line directly, the directory of the compiler should be in the path.

# Use Dev-Cpp as an example...

The screenshot shows the Windows System Control Panel window with the 'Advanced' tab selected. The 'Environment Variables' section is open, showing a list of system variables. A context menu is open over the 'path' variable, and a dialog box is used to add a new user variable.

**1. 「電腦」右鍵**

**2. 點「內容」**

**3. 選「進階」**

**4. 點「環境變數」**

**5. 新增**

**6. 輸入名稱: path**

**變數值: C:\Dev-cpp\bin**

**7. 確定**

變數	值
path	C:\Program Files (x86)\Wim\vim73;C:\Mi...
TEMP	%USERPROFILE%\AppData\Local\Temp
TMP	%USERPROFILE%\AppData\Local\Temp

變數名稱(N):	變數值(V):
path	C:\Dev-cpp\bin