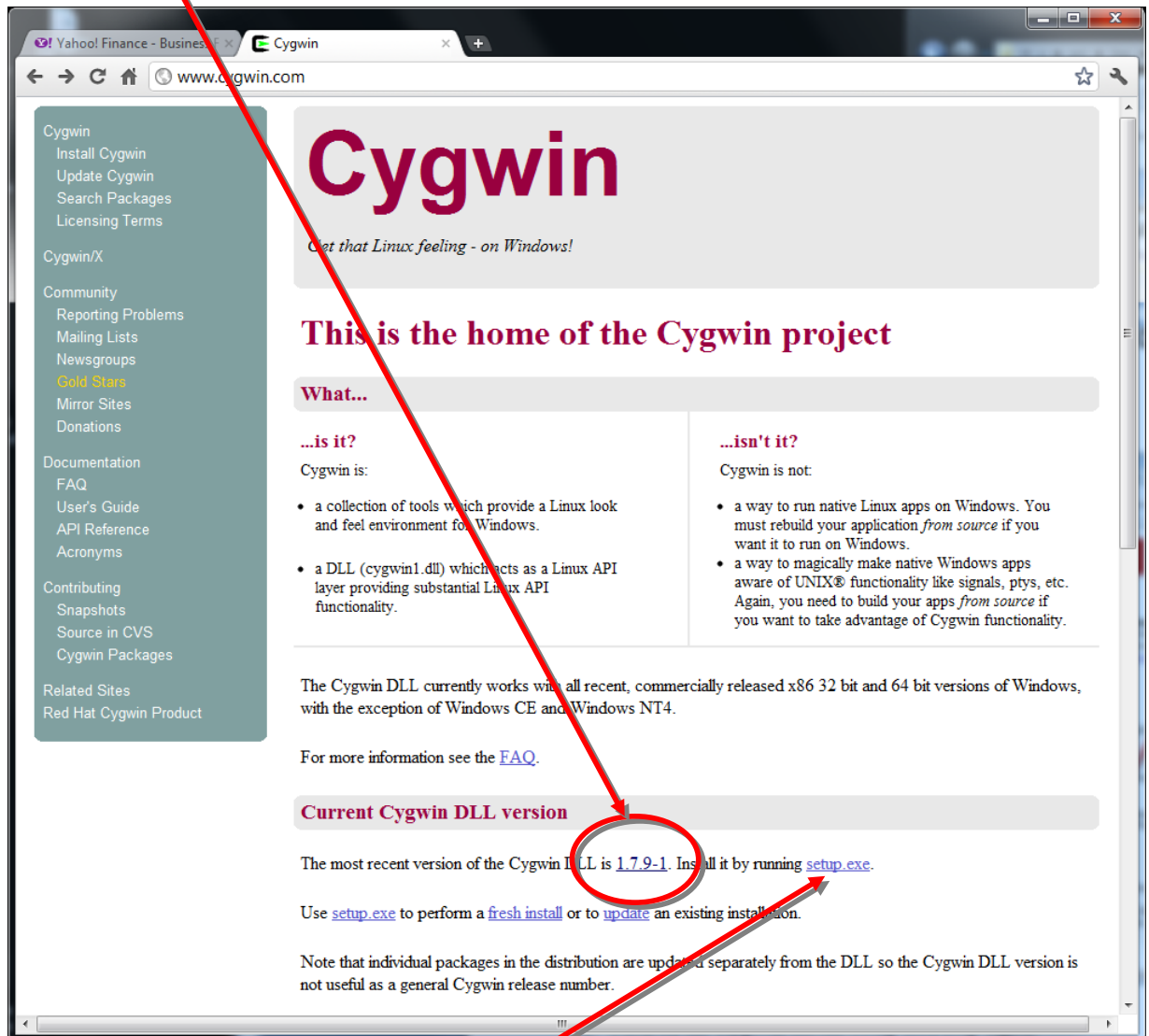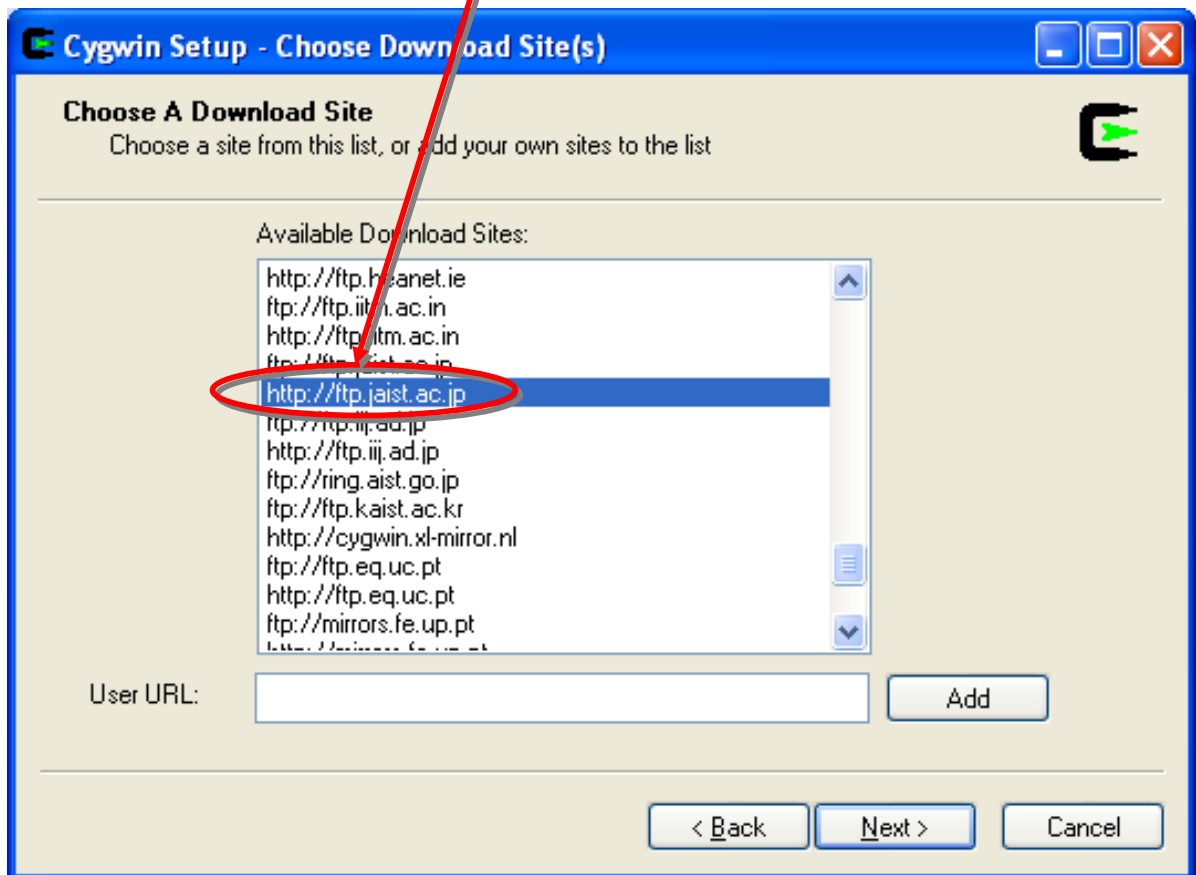# CygWin 1.7.9-1 Installation for Computer Graphics with OpenGL
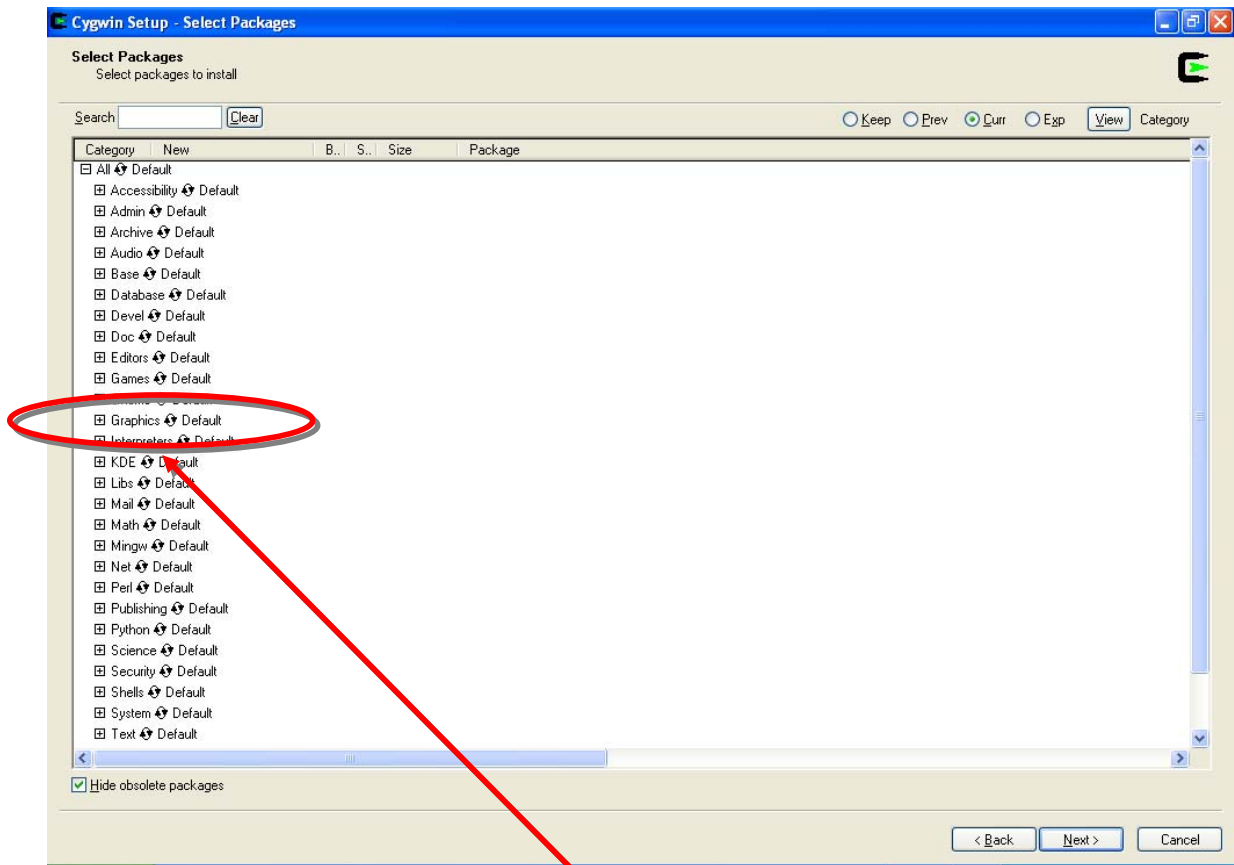
1. Go to: www.cygwin.com



2. Click on the CygWin Install setup link.

3. Download the setup.exe file in your favorite temporary location on your computer. Please choose this carefully because you may have to run setup again from the same place and you do not want to lose the previously installed packages. Mine is under C:\setup\cygwin.

4. Open the folder where you saved your setup.exe (eg. C:\setup\cygwin).

5. Double-click on setup.exe and run it. Follow the instructions and press **Next**.

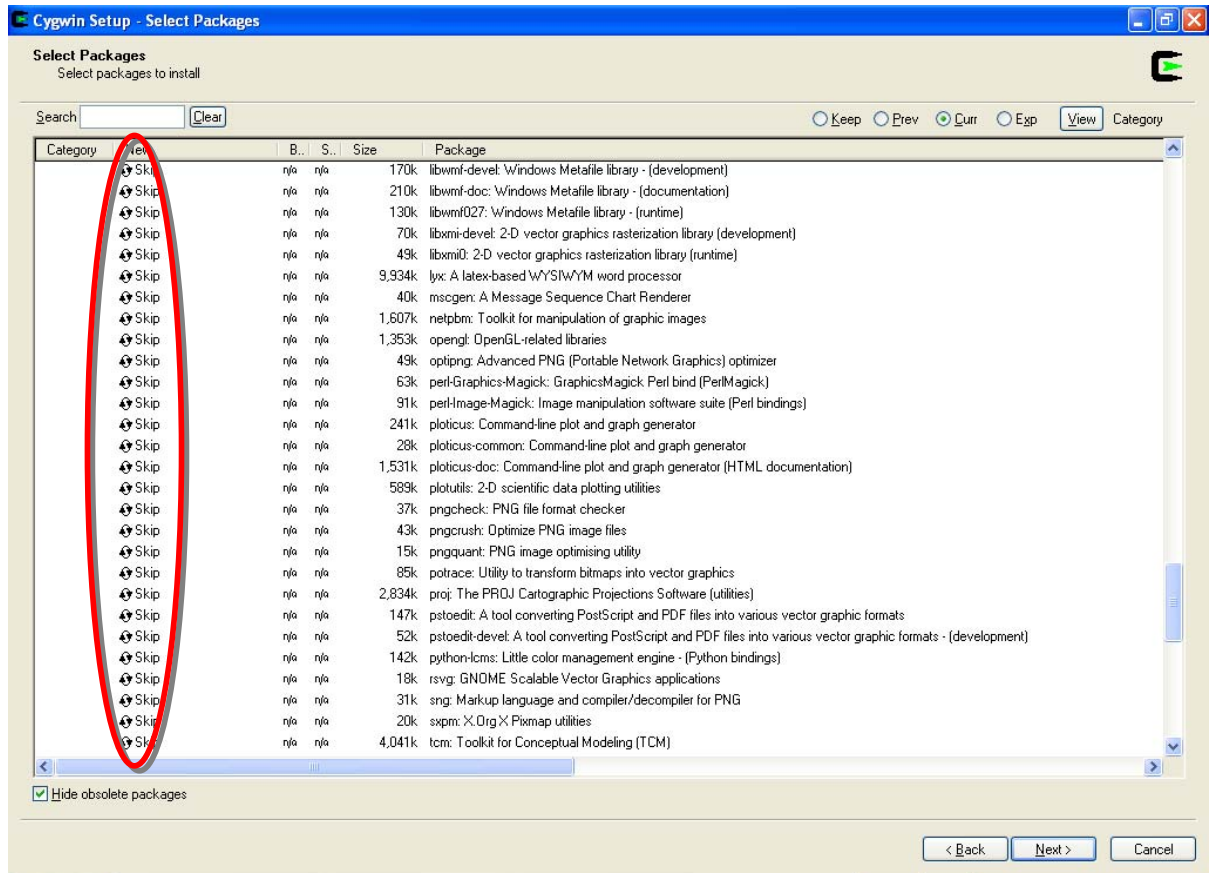6. When you get to the screen for selected the mirror site, select the Japanese mirror server at http://ftp.jaist.ac.jp:



   **Well done. Good choice!**

7. Now, wait until setup downloads the configuration files. When it is done, it will open the package table of contents. This is where you select optional packages. The base kernel is small. However, additional packages are skipped for efficiency. So, you must go through the list and choose what you want to have additionally selected. Here are the software categories.

8. The most important categories for us are "Graphics" and of course the compilers.

9. Most packages are skipped, ie not installed by default. See, nothing is installed if the label "Skip" appears in the "New" column:
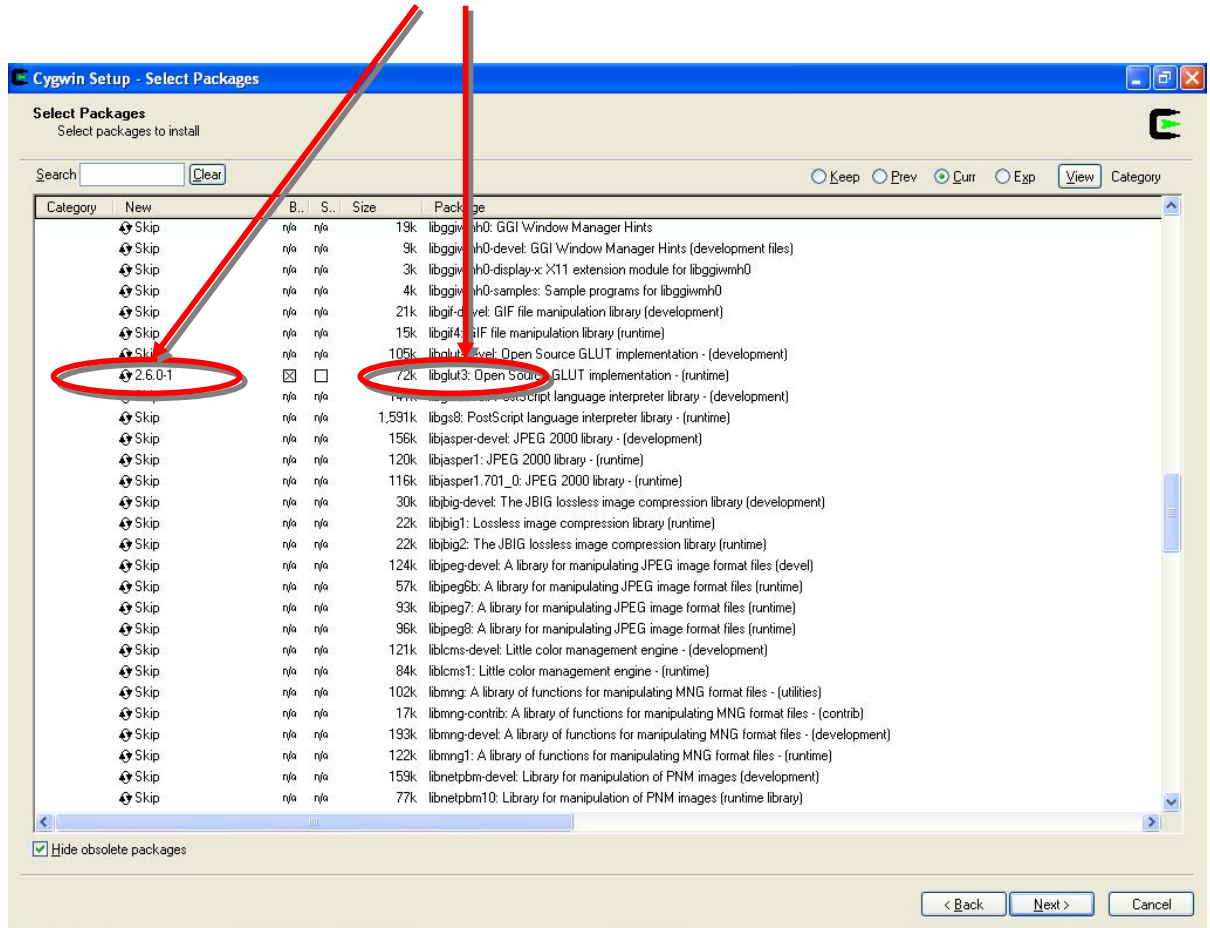
10. But, you can change that!

11. How?

12. Click on "Skip"!
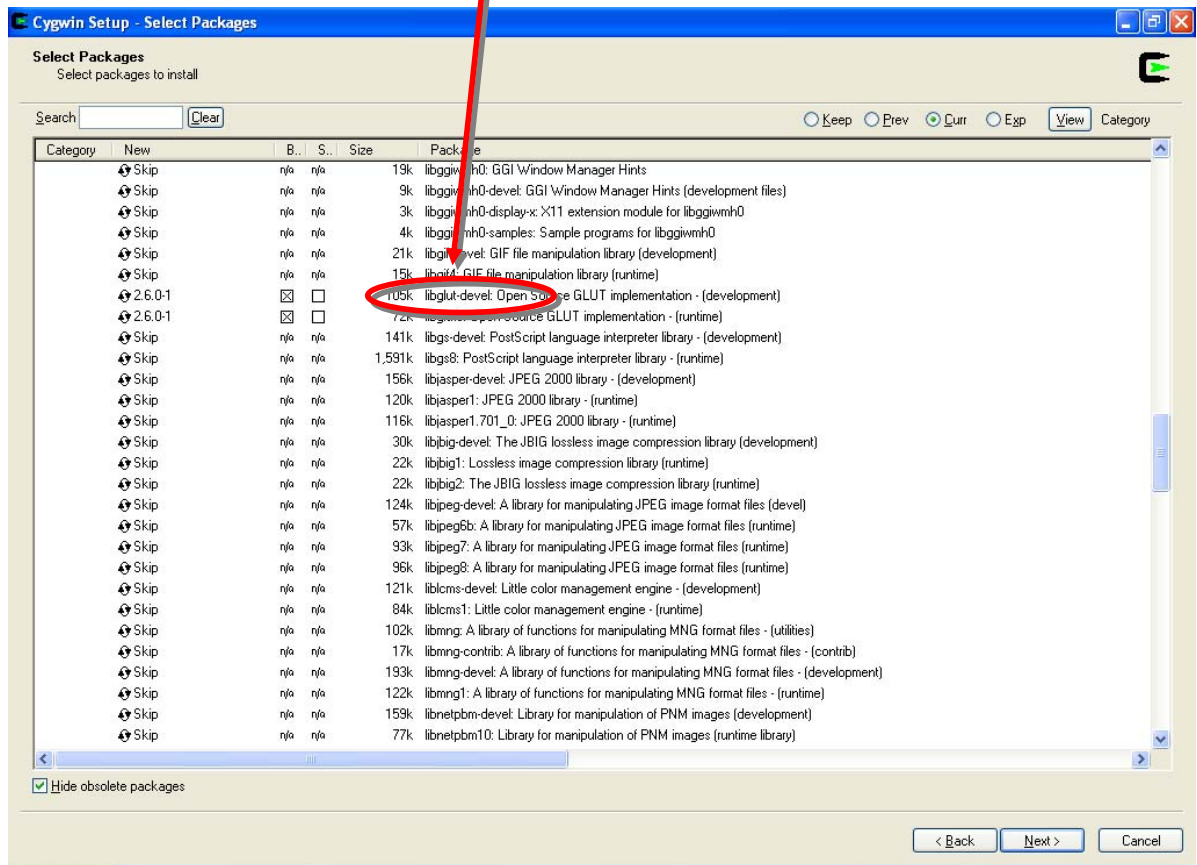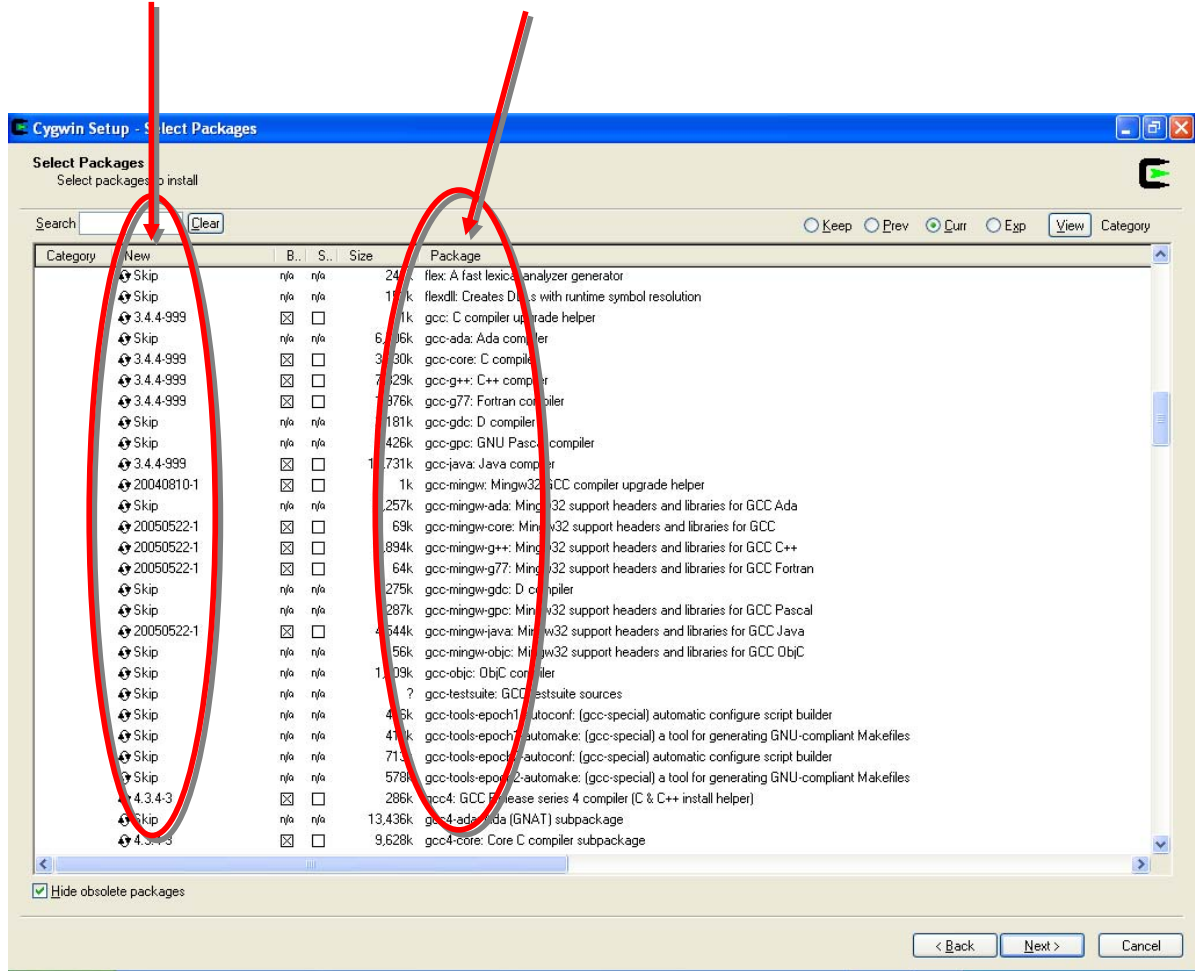


13. Guess what? This is your favorite OpenGL API!
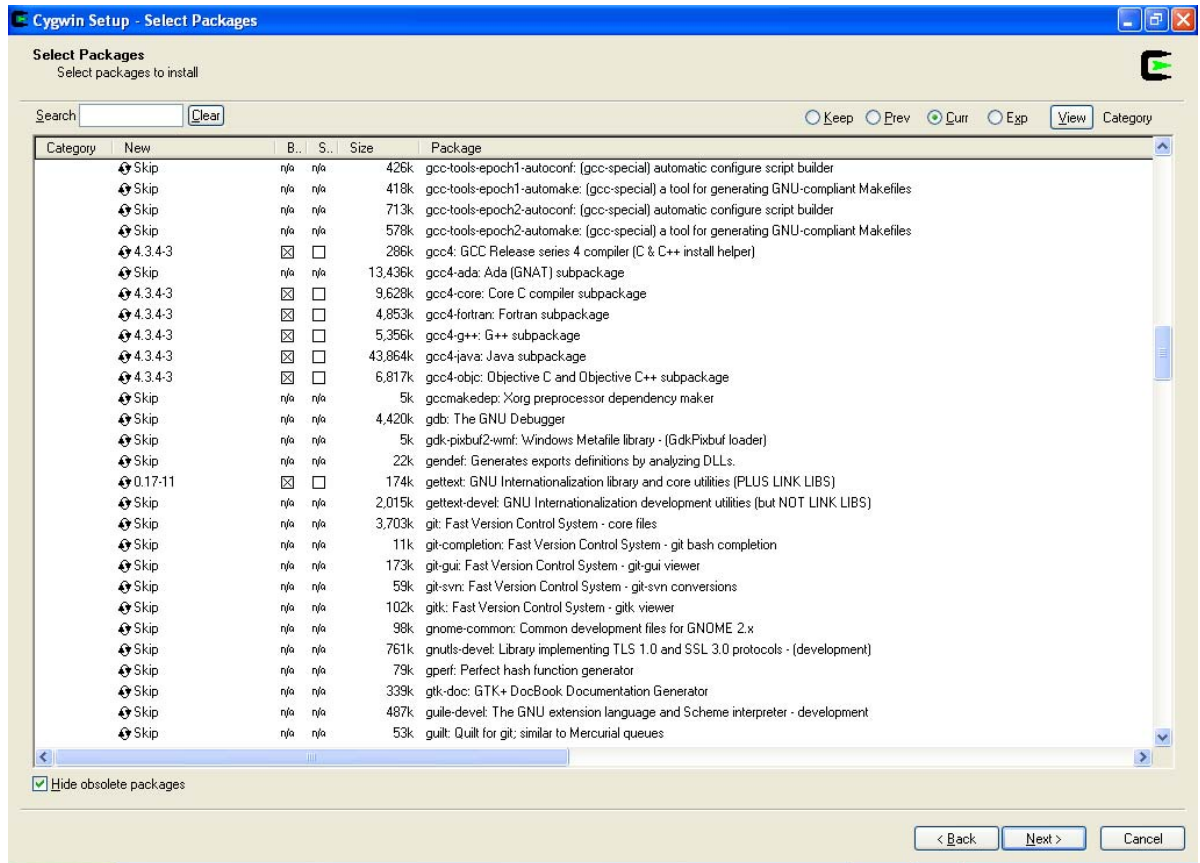
14. Make sure, you also select GLUT library!

15. Oh, and there could be more! Select them all, just in case!

16. And… don't forget the compilers (gcc, g++) and make utilities under *mingw*

17. After all this hard work, just press Next and go for a coffee break!



18. If it works great! If not, wash, rinse, repeat (ie do it again)!

19. And… don't forget to try it out – download lab01.zip from the lab page, unzip it go into any one example and "make" it.

20. When all else fails, come and see me!

**George – signing off – Good Night and Good Luck!**

**E.O.D.**