



Compiler C++ files

[Ron Mak](#)

I've been pushing the source files of the C++ version of the Pascal compiler to the server: <http://www.cs.sjsu.edu/~mak/CS153/sources/> (<http://www.cs.sjsu.edu/~mak/CS153/sources/>)

To compile and run in Eclipse, you must first create a C++ project for a chapter, and then copy the chapter's source files into the project. You cannot make a project directly from a chapter.

If you are on Windows, you must use the GNU C++ compiler g++. The MinGW compiler is too stripped down to work on the compiler sources.

- Go to <https://cygwin.com> (<https://cygwin.com/>) to download the setup program in order to download and install Linux utilities that have been ported to Windows.
- Run the setup program and work your way to the Select Packages page.
- Select View by Category.
- Under "Devel", select binutils, cmake, cygwin-devel, gcc-core, gcc-g++, gdb, make
- Under "Editors", select "vim"
- Under "Interpreters", select m4
- Under "Shells", select bash, mintty
- Under "Utils", select diffutils

When you download these selections, other dependencies will also download and install. You may need to run setup multiple times to resolve missing libraries. Test by running g++ on the command line in the Cygwin shell, which uses bash.

You may need to reboot after installing the Cygwin utilities. As long as the Cygwin bin directory (e.g., C:\cygwin64\bin) is in your execution path, Eclipse should be able to find the g++ compiler. Be sure to select it and not the MinGW compiler whenever you create a new project.

Each chapter includes a makefile to enable you to compile and run on the command line.

Unread



[← Reply](#)