

Development environment for C

Recommended software

Compiler:

- **GCC** - “The GNU Compiler Collection includes front ends for C, C++, Objective-C, Fortran, Java, Ada, and Go, as well as libraries for these languages (libstdc++, libgcj,...). GCC was originally written as the compiler for the GNU operating system. The GNU system was developed to be 100% free software, free in the sense that it respects the user's freedom.”

Text editor

- It's up to you to chose. I've been using GNU Emacs since 1997 so I am kind of used to that. I'll get you started using Emacs if you want to.

GCC / Windows

Install cygwin and gcc. Cygwin is “a large collection of GNU and Open Source tools which provide functionality similar to a Linux distribution on Windows.”

- <https://www.cygwin.com/>
- <https://cygwin.com/install.html>

Make sure to install gcc (any version is ok).

Editor / Windows

- Emacs
- Notepad++
- jedit

GCC / GNU/Linux

Install gcc

- Debian/Ubuntu: `sudo apt-get install gcc`
- RedHat/Fedora: `sudo yum install gcc`

Editor / GNU/Linux

- Emacs
- vi/vim
- gedit

GCC / MacOS

Install “Command Line Tools for Xcode”, which is available in Apple’s developer page.

Editor / MacOS

TextWrangler