LW: Setting up your Linux for CSCE 121

# For the first week only, you can complete this labwork on your own and do not have to attend lab to get credit.

We will be using a common compiling environment for all students in the class, regardless whether you use macOS, Windows, or a Linux distribution. The way we have decided to do this is to have all students compile in a command line environment. You will use your Linux terminal.

# Installing gcc, a C++ Compiler

1. Use your package manager to install gcc-g++
   1. Debian / Ubuntu:  
        
      sudo apt install build-essential
   2. RedHat / CentOS:  
        
      sudo yum install make automake gcc gcc-c++ kernel-devel
   3. Fedora:  
        
      sudo dnf @development-tools  
      sudo dnf group install "C Development Tools and Libraries"
   4. Arch:  
        
      sudo pacman -S base-devel
   5. Other: ask your instructor or TA
      1. Note: We are unlikely to know this outright. But, we will help you figure it out.

# Acknowledgment

Link to acknowledgement of completion is in eCampus.

# Text Editor Installation (optional)

You will want a text editor with syntax highlighting. Although it is not strictly necessary, it really makes reading code much easier.

## Text editor options for Linux:

* vi / vim
* emacs
* gedit
* nano / pico
* kate
* [Brackets](http://brackets.io/)
* [Light Table](http://lighttable.com/)
* [Sublime](https://www.sublimetext.com/)
* [Geany](https://www.geany.org/)
* [Visual Studio Code](https://code.visualstudio.com/)