**Getting Started with C++ software development in Linux using command lines**

**Command Description**

**ls** list current directory

**cd** *directory* change current directory, “**cd ..**” goes up one level

**mkdir** *directory* create a new sub directory

**man** *command* manual help info page on *command*

**vim** *filename* easiest to use text editor for beginners

Hit “I” to enter insert mode. Use arrow keys to move around and change or add text. Hit “esc” (escape) to exit insert mode. Hit “:” and “w” to write out and save the modified file.

Hit “:q!” to exit – but write out new version first

**g++**  *csourcefile.cc* compile C++ source file and output object file to *a.out* (default)

**g++** *csourcefile.cc –o mycobjectfile* - output sent to *cobjectfile* (not a.out)

./*mycobjectfile* run compiled code in file

Control C used to stop a program

Up/down arrow scroll back to a previous command (might save some typing)

**Note:** The **#include “stdafx.h”** in Windows VS C++ source code should be deleted for Linux. Sometimes there are minor changes needed in include files when you switch to another compiler or OS. WinSCP can be used to upload files from a PC to Jinx. Also just use “**int main()**” on Jinx as the \_TCHAR Unicode character type is not defined.