UNIX / BSD / Linux Cheatsheet

Login to server
  from *nix machine   ssh username@hostname
  from Windows   powershell – ssh
              bitvise
              moba xterm

Logout of the server
  Type "exit" and hit <ENTER> to quit a ssh session.

Directory commands
  Change to directory   cd *dirname*
  Goto home directory   cd
  Make a new directory   mkdir *dirname*
  Remove a directory   rmdir *dirname*
  Move a directory   mv *olddirname newdirname*
  Rename directory   mv *olddirname newdirname*

File commands
  Copy a file   cp *filename copyname*
  Delete a file   rm *filename*
  Move a file   mv *oldfilename newfilename*
  Rename a file   mv *oldfilename newfilename*

Compile a C program with Clang
  Compile to a.out   clang *progname*
  Compile to *name*   clang -o *name progname*
  Enable warnings   clang -Wall *progname*

Compile a C++ program with Clang
  Same as C except replace "clang" with "clang++"

Note: on the CS server gcc and g++ invoke clang.

Terminal multiplexer
  tmux – see tmux(1) by typing *man tmux* in the shell

Manual pages
  Searching for man pages apropos *keyword*
  Viewing the man page   man *keyword*
              Use PGUP and PGDN or arrow keys to navigate
              Type "q" to quit

Anytime you see a keyword followed by parentheses with a number, that is a reference to a man page. For example, in CS 360 we will use the coding style described in style(9) for all of our programs. Type "man style" to view this man page.