Computer Lab Notes

# References

Lab Information Website:

**http://tux.cs.unlv.edu/**

Mrs. Lee Misch’s Lab Manual:

**http://tux.cs.unlv.edu/lab\_man/linuxmanual.pdf**

Linux Command Reference Sheet: **http://tux.cs.unlv.edu/refs/linux\_commands.html**

C++ Reference Website:

**http://www.cplusplus.com/reference/**

# Logging Into Bobby

LINUX:

1. Open a terminal.
2. Type **ssh username@bobby.cs.unlv.edu**
3. SSH may give an authenticity warning. Type **yes** to continue.
4. Enter your password.

WINDOWS:

1. Open SSH client program: Secure Shell Client.
2. Hit SPACEBAR or ENTER key.
3. Type **bobby.cs.unlv.edu** into the hostname field.
4. Type your login name in the username field.
5. SSH may give an authenticity warning. Select **yes** to continue.
6. Enter your password.

# Linux Commands

**pwd** – prints the current directory

**cd** – get back to your home directory

**cd directory** – go to a directory

**cd ..** – go to upper directory

**man command** – learn how to use this command

**cat filename** – display entire contents of a file

**more filename** – display contents of file on page at a time

**mv oldname newname** – rename a file

**rm filename** – delete a file

**emacs filename** – edit a file

**vi filename** – edit a file

**command > filename** – standard output to file

**command < filename** – standard input from file

**cp sourcefile destination\_file** – copy contents of sourcefile into destination\_file (create destination\_file if it does not exist)

**ls** – list contents of current directory

**ls directory\_name** – list contents of directories

**mkdir directory\_name** – create a directory

**mv oldname newname** – rename a directory

**rmdir directory\_name** – delete directory

**rm –rf directory\_name** – delete a directory tree

**lpr filename** – print file to default printer

**lpq** – list print jobs

# Compiling

Compile a C program: **gcc filename.c**

Compile a C++ program: **g++ filename.cpp**

Execute your compiled program: **./a.out**

OR

Compile a C program: **gcc -o filename.o filename.c**

Compile a C++ program: **g++ -o filename.o filename.cpp**

Execute your compiled program: **./filename.o**

# Sending Exercises to Me

Use this command to email your exercises to me: **mail -s "Your Name (first and last), Exercise #number, Lecture #number, Lab #number" -c username@unlv.nevada.edu jeung-sook.williams@unlv.edu < filename**

Example: mail -s "John Smith, Exercise #1, Lecture #1001, Lab #1004" -c smithj2@unlv.nevada.edu jeung-sook.williams@unlv.edu < exercise1.cpp

\*Please type **Exercise #number** in the subject line exactly as shown (replacing number with the number of the exercise) and do not misspell Exercise or type the wrong exercise number.