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 <u>filename</u>.c**

Compile a C++ program: **g++ <u>filename</u>.cpp**

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

OR

Compile a C program: **gcc -o <u>filename</u>.o <u>filename</u>.c**

Compile a C++ program: **g++ -o <u>filename</u>.o <u>filename</u>.cpp**

Execute your compiled program: **./<u>filename</u>.o**

Sending Exercises to Me

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

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 #<u>number</u>** 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.