

Lab 01

```
$ cd /class-files/gilden
$ cd lab01
$ ls
    lab01.cpp
$ cat lab01.cpp
$ cd ~                      (this is the same as: cd /home/youruserid)
$ mkdir lab01
$ cp /class-files/gilden/lab01/lab01.cpp lab01
$ g++ -c lab01.cpp          (****when this compiles correctly, you will see:
$ ls
    lab01.o
$
$ g++ lab01.o
$ a.out
```

```
$ /class-files/gilden/230submit    (used to submit your work)
```

For this assignment, submit your working version of lab01.cpp, lab01.o, and a.out

**** /class-files/gilden/lab01/lab01.cpp contains the original version of the program for hw01. It will NOT compile. You should make the necessary changes for it to compile. Once it compiles successfully, you will be able to complete the rest of the steps.

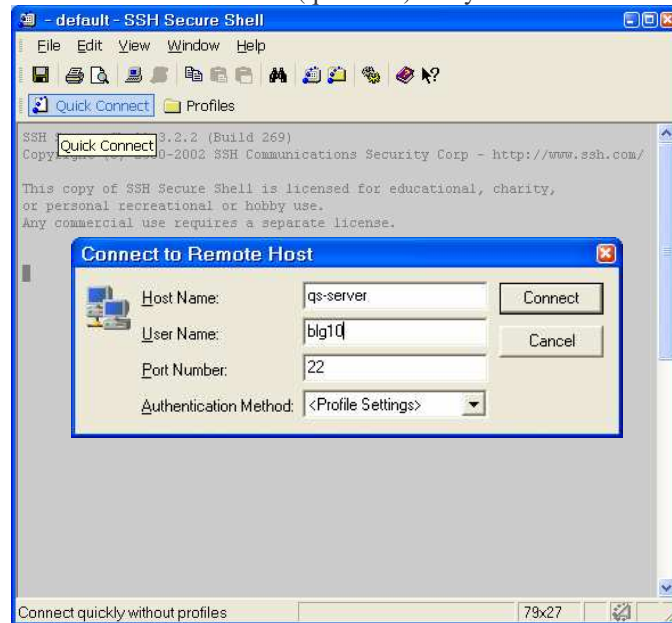
Basic Linux Commands

> mkdir <u>dirname</u>	<i>(make a directory)</i>
> rmdir <u>dirname</u>	<i>(remove a directory)</i>
> cd <u>dirname</u>	<i>(change to new directory)</i>
> cd	<i>(change to home directory)</i>
> pwd	<i>(print working directory)</i>
> ls	<i>(list files in current directory)</i>
> ls <u>filenames</u>	<i>(list selected files in current directory)</i>
> cat <u>filenames</u>	<i>(print contents of files)</i>
> more <u>filenames</u>	<i>(print contents of files by screenful)</i>
> rm <u>filenames</u>	<i>(remove files)</i>
> cp <u>file1</u> <u>file2</u>	<i>(copy a file)</i>
> mv <u>file1</u> <u>file2</u>	<i>(move (rename) a file)</i>
> clear	<i>(clear screen)</i>
> lpr <u>filenames</u>	<i>(print files)</i>
> <u>command</u> > <u>filename</u>	<i>(redirect output to a file)</i>
> <u>command</u> < <u>filename</u>	<i>(redirect input from a file)</i>
> <u>command1</u> <u>command2</u>	<i>(pipe (redirect) output to input)</i>
> pico <u>filename</u>	<i>(edit a file)</i>
> emacs <u>filename</u>	<i>(edit a file)</i>
> vi <u>filename</u>	<i>(edit a file)</i>
> g++ -c <u>name.cpp</u>	<i>(compile but do not link a c++ module)</i>
> g++ <u>names.o</u>	<i>(link precompiled c++ modules)</i>
> g++ <u>names.cpp</u>	<i>(compile and link a c++ program)</i>
> a.out	<i>(execute a compiled program)</i>
> history	<i>(list last 500 commands)</i>
> script <u>filename</u>	<i>(makes a file of everything printed to the screen; end with exit)</i>
> man <u>topic</u>	<i>(get information about <u>topic</u>)</i>
> <u>/home/blg10/mydir/pgm.cpp</u>	<i>(example of an absolute pathname)</i>
> <u>mydir/mypgm.cpp</u>	<i>(example of a relative pathname)</i>
> <u>../blg10/mydir/pgm.cpp</u>	<i>(example of a relative pathname)</i>
> <u>fil*</u>	<i>(example of a wildcard filename)</i>
> <u>*name</u>	<i>(example of a wildcard filename)</i>
> <u>fi*me</u>	<i>(example of a wildcard filename)</i>
> <u>[abc]*.cpp</u>	<i>(example of a wildcard filename)</i>

Connecting from other campus labs

(1) Open SSH Secure Shell Client

(2) Click “Quick Connect” and enter Host Name (qs-server) and your HSU User Name.



(3) Enter your password . Hit enter twice. Then you’re connected. To exit, type
> exit

Connecting from home

If you have an internet connection at home, you can download the SSH software and connect from home.

Get the software from:

<http://www.humboldt.edu/~help>

Click “Software” under Tech Guides on the right

Once you have installed the software, follow the instructions above to connect.

For Host Name, use: qs-server.humboldt.edu