

CSS342 Data Structures, Algorithms, and Discrete Mathematics I

Autumn 2017

Lab 0: Using Linux Environment 101

Goal

Walk-through scenario to get familiarized with Linux system and compiling in Linux

Instructions

1. Download Winscp and Putty, OR MobaXterm

If you choose MobaXterm, use the Installer edition

2. Connect to the Linux Servers (open Putty or MobaXterm)

If you are using MobaXterm: click sessions, then ssh

Hostname: uw1-320-lab.uwb.edu

Note that "lab" may be replaced with the machine number, for it to work for example uw1-320-04.uwb.edu

User name: your UWNet ID

password: UWNet password

port number: 22

3. Get `8queens.cpp` and put it in your Linux account home folder

4. Open putty (or MobaXterm) program

type the follows commands

1) `g++ 8queens.cpp` (This will compile 8queens.cpp)

2) `./a.out` (This will run the compiled program)

5. Copy the results to a text file, as result.txt

6. Get `space.cpp` and put it in your Linux home folder

7. Compile and run `space.cpp` file through putty (or MobaXterm) (explain you need to enter specific number)

1) `g++ space.cpp`

2) `./a.out 3 10 23 1 4 2 5` (This runs the program and passes the numbers as arguments. You can see how they are used in the program by looking at space.cpp.)