CS120 Lab 1

Heyan Huang

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Introduce Myself

- Name: Heyan Huang
- Major: Statistics & Computer Science
- Experience: OPT Statistical industry experience, & 2 years cs course study, I use Emacs editor during lab sections;
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- Technical Help: 211 CSAC, mainly MTWF hours, try to find me there~ !!

Lab Rules

Quiz:

- At the beginning of the lab, you will have short answer quizs;
- Count up to 15% for final score, as well as indicating attendence;

No Late:

- Labs are due at the end of lab section;
- Homeworks are due on followed Monday;

Turn-in Requirements:

- for Lab and for Homeworks;
- electronic versions is required;
- hard copy as an extra;
- Electronic copy can be checked in through "cscheckin" command. Specify filename and course folder, eg. "cs120"

Lab Rules

- No talking to neighbors; Either raise your questions or answer mine;

- I promote independent & inspiring thinking. You are free to ask questions with consideration for classmates.

- If you are doing lab sections well, I will be more than happy to teach you some other skills, like introducing Emacs editor, including some practical interview questions and coding practise in lab section.

- If you have difficulty with lab or homework, I am willing to help in CSAC, and I would feel happy to see you make progress.

Linux Commands

pwd: **p** rint **w** orking **d** irectory

ls: **l** i **s** t files and Directories

mkdir: **m** a **k** e **dir** ectory

cd: **c** hange your working **d** irectory

- The "." symbol refers to the working directory;
- The ".." symbol refers to the working directory's parent directory;
- The "./" symbol means execute script from my current directory. Dot (.), or current directory is never on the PATH (echo $PATH to check this) for security reasons and it never should be.

script: make typescript of terminal session

Programming Environment Introcution

1. Use putty to log into wormulon.cs.uidaho.edu. Use your Vandal Username and password to log on.
2. Use the mkdir command to create a directory called labs.
3. Use the cd command to move into the new labs directory.
4. Use emacs/nano to create a file called fortune.cpp and write the Fortune Teller program in the file. Add a block of comments to the beginning of the program that lists your name, section number, date, and the assignment number.
5. Use g++ to compile the Fortune Teller program. You may need to type ./a.out to run the program.

Sample Program

1. Modifications: Print a welcome message at the beginning of the program; Change the program so that the fortunes are different. Make up your own fortunes, try to keep them interesting.

2. Script: Use the script (make typescript of terminal session) command to create a printable output file. The command script lab1output will create a file called lab1output.

3. View Results: use the commands pwd and ls to show the current directory and its contents. Finally, use the exit command to end the script.

4. Final: Now You have a file called fortune.cpp containing the Fortune Teller program and a file called lab1output containing a 'transcript' of you running the Fortune Teller program and the pwd and ls commands. Print both files (using the lpr command) and turn them in.