

CS 279 - Week 15 Lab Exercise - 12-9-2014

Deadline

Due by the end of lab on 12-9-2014.

How to submit

Submit your files for this lab using `~ah270/279submit` on **nrs-labs**, with a homework number of 95

Purpose

Practice with some of the commands from the Week 15 lecture.

Important notes

- You are expected to work in **pairs** for this lab; this means **two** students at **one** computer and **one** keyboard, one typing, and the other suggesting what to type. Both are expected to be engaged and involved in what is going on, and **each** file that you create should have **both** of your names in it.

Students who do not work in pairs may not receive credit for the lab exercise (although if an odd number of students requires it, there may be one authorized trio -- the same guidelines apply).

- If you have a question during lab, and I am helping another pair, add one or both of your names to the "Next:" list on the board, and I will get to you as soon as I can.
- Your answers may be posted to the course Moodle site.

Activities

Boot under OpenSuSE in the lab.

Let's compare/contrast the output of a few of the commands discussed on Monday.

Open a local terminal, and write a script `lab15-local.sh` that includes the following [feeling free to add blank lines or underlines for readability as desired]:

- `echo` or `printf` a message including both of your names, and indicating that you are about to run some commands on the openSuSE side of a lab computer.
- `echo` or `printf` a message indicating that you are about to run the `date` command, and then run the `date` command, with at least two format descriptors of your choice
- `echo` or `printf` a message indicating that you are about to run the `cal` command, and then run the `cal` command with a month and year of your choice
- `echo` or `printf` a message indicating that you are about to run the `uname` command, and then run the `uname` command with the `-a` option

- `echo` or `printf` a message indicating that you are about to run the `df` command, and then run `df --` you may use arguments if you choose, or you can run it with no arguments.
- `echo` or `printf` a message indicating that you are about to run the `du` command, and then run `du` twice on a non-empty directory of your choice. Run it once with the `-a` option and once with the `-s` option.
- `echo` or `printf` a message indicating that you are about to run the `printf` command with some format descriptors, and then run the `printf` command, with at least two format descriptors of your choice

Run `lab15-local.sh "locally"`, redirecting the output into a file `lab15-local.txt`; then, `sftp` this script to `nrs-labs`, `cp` it into a version `lab15-nrs-labs.sh` and modify it as necessary to run there (you'd need to change the argument directories for the `du` calls, for example), and run this revised version of the script there, redirecting its output into a file `lab15-nrs-labs.txt`.

Submit your resulting versions of `lab15-local.sh`, `lab15-local.txt`, `lab15-nrs-labs.sh`, and `lab15-nrs-labs.txt`.