

Course: CIS68C1**Homework:** Week #4**Due:** 6pm Monday, October 21st

Instructions

The goal of this assignment is to learn about parts of the UNIX filesystem.

1. What are the major and minor numbers of the devices associated with the virtual terminals (ie. recall Ctrl-Alt-F1, etc.)?
2. What is the relationship between **/bin** and **/usr/bin** in Red Hat Linux?
3. What are the last two fields in **/etc/fstab**?
4. What does the command below do?

```
dd if=/dev/fd0 of=/home/joeuser/fd-image bs=1k count=1440
```

5. Compare and contrast copying a file to a floppy with **mcopy** vs. **cp** (don't you just love compare/contrast questions?).
6. How would you determine approximately how many system administration commands are available on a UNIX system? What command line would accomplish this?
7. What is the list of all the unique major numbers in use by the system? Hint: A quick shell pipeline will uncover the answer quite easily.
8. Which devices are associated with the first 10 devices in the sorted list from the previous question?