

**Homework: /SI110/The Cyber Battlefield/Operating System Extras**

1. For each of the following Windows shell commands, what is the equivalent command in Unix:

a. dir \_\_\_\_\_

b. cd \_\_\_\_\_

c. del \_\_\_\_\_

d. Notepad \_\_\_\_\_

e. type \_\_\_\_\_

2. Suppose on your laptop you have two command shells open. One is a regular command shell that you just opened. The other is the window that popped up when you ssh'd into your rona account (after you logged in). If you start a program (it doesn't matter which one) in each shell, is your laptop's CPU executing both programs? Explain.

3. Suppose you make an account for your friend on your notebook, so she can use it while hers is being repaired. Being a savvy SI110 student, she changes her password immediately after you create the account, and you don't know what it is. A week later, she dies in a tragic King Hall poisoning incident. Her last words were "There's a Swiss bank account number stored under my account on your notebook. I want you to have the 3.5 million dollars in it."

a) You open up a command shell and try to "dir" her home directory to view its contents and start searching for the number. However, the command fails. Why?

b) What will you have to do to find and view the file containing the bank account number.

4. You are going to go on a filesystem scavenger hunt. Your goal is to find a "token" file. The token is proof that you found what you're searching for. You'll have to use the basic Unix commands ls, cd and cat to find and follow clues and, ultimately, report back what was in the token file. So ...

Login to rona and look in the directory /home/si110/start for your first clue.

When you're done, tell me what the token is.

**NOTE:** It's not random words! When you've found it you'll know!

a. What's in the token file?

b. Briefly describe the steps you took to find it.

c.  Check this box to certify that you actually logged into rona and gave the commands to find the token yourself. Recall from the course policy that "fingers-to-keyboard work must be your own" on homework, no matter how much help you might get.