

Unix Homework 4

CS 6014 Introduction to Computation as a Research Tool

February 2013

Due: 13 Feb. 2013

Information for Submission Requirements:

The requested information specified in the tasks below will be typed or pasted into the Collab textbox (i.e., no files to upload).

Background:

For this assignment, you will need to understand the following Unix topics:

- echo (See Unix Tutorial Eight)
 - Unix/shell/environment variables (See Unix Tutorial Eight)
 - chmod (See Unix Tutorial Five)
 - printenv (See Unix Tutorial Eight)
 - export (See Unix Tutorial Eight)
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Tasks:

1. **Obtain and paste into the textbox the values of the following environment variables:**
 - a. LOGNAME
 - b. HOSTNAME
 - c. HOME
 - d. PS1
2. The PS1 variable holds information for your interactive prompt in a terminal window. Use the export command to change your PS1 variable to "\$LOGNAME @ \$HOSTNAME >>> ".
3. Perform the following steps:
 - a. Make a directory called unix_hw4.
 - b. Copy the file /share/apps/tutorials/unix/New_catjokes into this directory.
 - c. Make the file New_catjokes executable only by you. (**Paste into the Collab textbox the command you used to change the permissions.**)
 - d. Run the New_catjokes script.

4. Carefully perform the following steps:
 - a. Change your environment variable PATH so that \$HOME/bin is first in the list. Note: Only make this change in a terminal window.
 - b. Change to a directory that has a moderate number of files in it.
 - c. Run the list command, ls, with any options that you wish and **paste the output into the Collab text box.**

Note: You are on your honor to do your own work on this assignment.