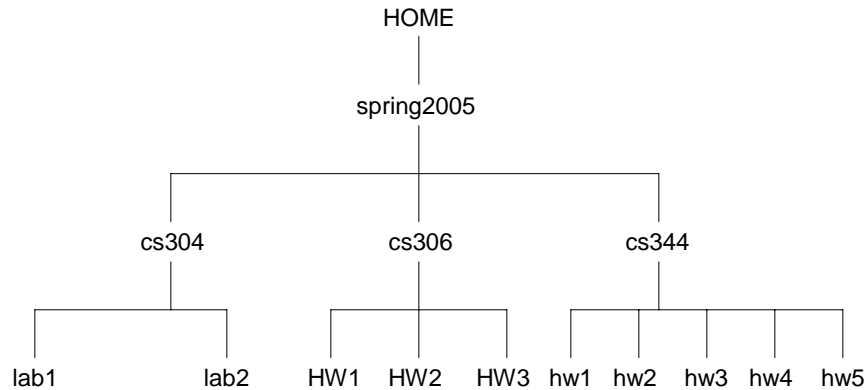


Spring 2005: CS 344 – UNIX Operating System Fundamentals
Homework-1

100 points. Individual work only. Due Feb 14, 2005.

1. Login to one of the SUN workstations and create the following directory structure in your home directory. [20 points]



2. Change directory to **hw1** (under the directory **cs344**) and execute the following commands and explain what action is performed when each of these commands are executed: [20 points]
 1. `ls -l /etc > file1`
 2. `cat /etc/motd > file2`
 3. `cat /etc/motd | wc -l >> file2`
 4. `cat file1 file2 > file3`
 5. `cat < file3`
3. Use the appropriate command to perform the following operations and for each item write down the command used: [60 points (4 points each)]
 1. display current time and date
 2. determine other users logged into the machine
 3. display the calendar for May, 2005
 4. display current directory
 5. copy **file2** from the directory **hw1** to the directory **hw2** and rename the file as **file1**
 6. copy **file3** from the directory **hw1** to the directory **hw3** and rename the file as **file1**
 7. display the top 15 lines of the file **file1** in the directory **hw3**
 8. copy all the files in the directory **hw1** to the directory **lab1** (under the directory **cs304**)
 9. change directory to **lab1** and list all the files in long format and sorted with the last file accessed being displayed last (latest file last)
 10. change directory to **hw4** and copy the file **file1** from directory **hw1** to the directory **hw4**
 11. list all the files, directories, and subdirectories starting from your home directory
 12. create a new directory called **tmp** in your home directory
 13. list all the files, directories, and subdirectories starting from your home directory and send the output to a file called **myfiles** in the directory **tmp**
 14. determine the number of lines in the file **myfiles**
 15. remove the directory **tmp** including all files in that directory using a single command

NOTE: Submit written or typed answers for questions 2 and 3 in class on the due date.