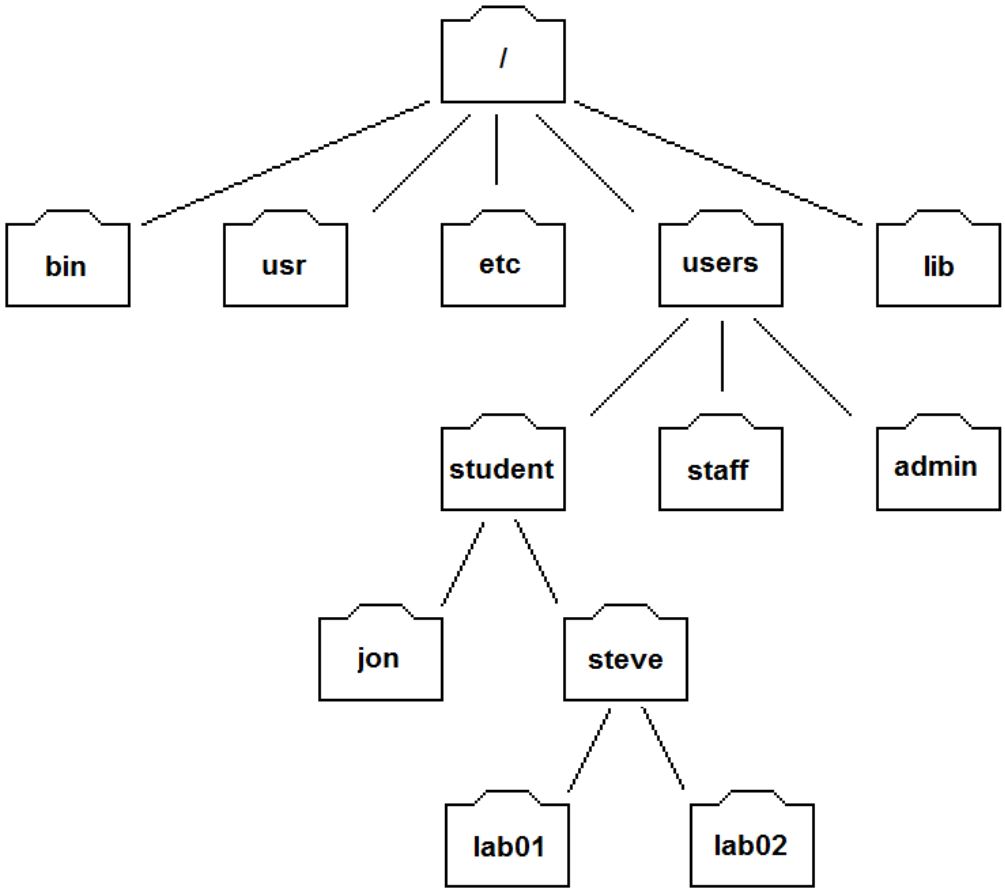
Consider the following directory hierarchy:



1. What is the absolute path to the directory named lab02?
2. If one is in the directory named lib, give a single command, using a relative path, to change to the directory named lab02.
3. Give the output seen if one is in the staff directory and types pwd.
4. What will the output be if one types ls -a while in the student directory? Assume there is no hidden file or folder.
5. One is currently in the lab1 directory. What directory will one be in after the following command executes?

   cd ../..

6. Suppose one is currently in the staff directory.
    a. Without leaving this directory, what sequence of commands can be used to create a new directory named lab03 in the jon directory, then create a new text file named greeting.java in this new directory and open it for editing? Finally, what additional command will rename greeting.java to HelloWorld.java?
    b. What sequence of commands will reverse the changes just made?
7. Suppose the lab01 directory contains a file named CoolTool.java. Give two commands for copying this file to the lab02 directory. The first should use only relative addressing, while the second should use absolute addressing, rename the file to Tool.java, and delete the original file, all at the same time.

This exircise is taken by http://math.oxford.emory.edu/site/cs170/probSetCli/ but I made little changes with file/folder names to make it a bit different.