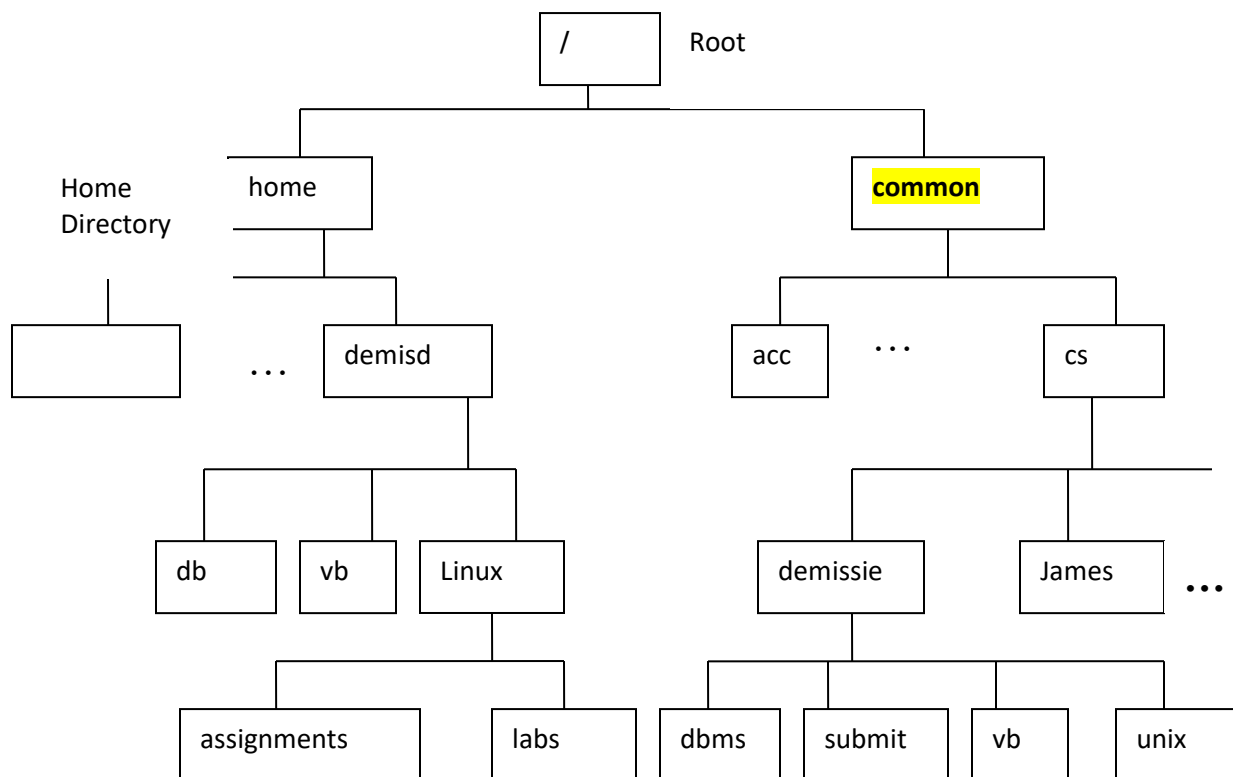


Linux Lab #4 (Optional)

Note: Before completing this assignment, please read/watch the following online resources:

- The Linux Cookbook: Tips and Techniques for Everyday Use - Files and Directories. (n.d.). Retrieved from http://dsl.org/cookbook/cookbook_8.html
- Linux File system Hierarchy. (n.d.). Retrieved from <http://www.tldp.org/LDP/Linux-Filesystem-Hierarchy/html/c23.html>
- *Linux Filesystem Hierarchy - Part One* [Video file]. (n.d.). Retrieved from <https://www.youtube.com/watch?v=460lxxYmZxQ>
- *Linux Filesystem Hierarchy - Part Two* [Video file]. (n.d.). Retrieved from <https://www.youtube.com/watch?v=WMaWG5ZRht4>

Direction: Please use the following directory structure to answer questions 1 and 2:



1. Write the absolute pathname to the common area (*highlighted in yellow*).

Answer:

2. If you are currently in the common area and you enter the following command: `cd ..`

Write the absolute pathname of your current location.

Answer:

3. If you include the following syntax at the end of a command line what will happen? The syntax is : “ | more”

Answer:

4. What is the difference between the “>” operator and the “>>” operator when used in conjunctions with the ‘cat’ command?

Answer:

5. Please provide the correct *chmod* command to set the following permissions: Use the entire command, Starting with *chmod* and ending with the filename.

-rwxr--r-- 1 demissie staff 3 Dec 12 07:44 junk.txt

Answer:

-r-xrwxr-x 1 demissie staff 3 Dec 12 07:44 junk.txt

Answer:

-rwxr-xr-x 1 demissie staff 3 Dec 12 07:44 junk.txt

Answer:

-rwxrwxrwx 1 demissie staff 3 Dec 12 07:44 junk.txt

Answer:

6. If your current directory is */home/mary/project1*, write the command to move to the */etc* directory directly under the root?

Answer:

7. After typing the *ls -a* command, you notice that there is a file whose filename begins with a dot (.). What does this mean?

Answer:

8. After typing the *ls -F* command, you notice a filename that ends with an asterisk (*). What does this mean?

Answer:

9. If `resume` is the name of a file in the home directory of the root of the files system and your present working directory is `home`, what is the relative name for the file named `resume`?

Answer:

10. What will the following wildcard regular expression return: `file[a-c]`?

Answer:

11. A user typed in the command `pwd` and saw the output `/home/jim/sales/pending`. How could that user navigate to the `/home/jim` directory?

Answer:

12. Sue's current directory in the directory tree is `/home/classmarks/linux`. She then types the command `cd ..`. What directory will appear if Sue types the `pwd` command?

Answer:

13. What does the `/var` directory contain?

Answer:

14. Given the following output from the `ls` command, how many files are linked with file1?

<code>drwxr-xr-x</code>	<code>3 root</code>	<code>root</code>	<code>4096 Apr 8 07:12 Desktop</code>
<code>-rw-r--r--</code>	<code>3 root</code>	<code>root</code>	<code>282 Apr 29 22:06 file1</code>
<code>-rw-r--r--</code>	<code>1 root</code>	<code>root</code>	<code>282 Apr 29 22:06 file2</code>
<code>-rw-r--r--</code>	<code>4 root</code>	<code>root</code>	<code>282 Apr 29 22:06 file3</code>
<code>-rw-r--r--</code>	<code>2 root</code>	<code>root</code>	<code>282 Apr 29 22:06 file4</code>
<code>-rw-r--r--</code>	<code>1 root</code>	<code>root</code>	<code>282 Apr 29 22:06 file5</code>
<code>-rw-r--r--</code>	<code>1 user1</code>	<code>sys</code>	<code>282 Apr 29 22:06 file6</code>

Answer:

15. If your current directory is `/home/bill/projects/acme/plans`, what is the safest way to change to the `/home/bill/projects/acme` directory?

Answer: