

All of the work in this project is my own! I have not left copies of my code in public folders on university computers. I have not given any of this project to others. I will not give any portion of this project to others taking this class. I realize that the penalty for turning in work that is not my own can range from an "F" in the class to dismissal from Trinity University.

Print Title _____ Time Required = _____ Hrs.

Signature _____ (pledged)

Print Title _____ Time Required = _____ Hrs.

Signature _____ (pledged)

Linux Command Homework

Individual/Team (1-2 Persons) Homework Assignment
Turn In One Copy Per Person
5 Points

Answers To These Questions Must Be Handwritten; No Electronic Solutions Will Be Accepted!

Don't just write in the answers! Practice each of these commands on and make sure that they work on the computer!

bit	byte	file	directory/folder	directory/folder
ASCII	hardware	software	operating system	graphical user interface
editor	text file	compiler	programming language	binary/executable file
Telnet				

- 1] _____ a collection of digital information (0's and 1's).
- 2] _____ a graphical user interface is one which contains icons, pictures, and buttons to facilitate processing.
- 3] _____ terminal connections to UNIX systems run with a command line interface.
- 4] _____ a special file used as a container in which to hold other files and/or directories.
- 5] _____ an ASCII file containing information.
- 6] _____ a collating sequence to associate a seven bit character string with the more commonly used characters. A = 1000001 B = 1000010 C = 1000011
- 7] _____ physical components of the computer and devices attached to the computer.
- 8] _____ a software program which controls the resources and processing of a computer.
- 9] _____ a software program used to create, display, and/or edit text files; they do not permit the normal word processing features such as margin control, font selection, underscore, bold, etc.
- 10] _____ a software program used to create, display, and/or edit document files; they enable the user to create documents which contain (1) margin choices, (2) font choices, (3) style choices [bold,

UNIX I Lab

underline, etc], (3) color choices, (4) graphic insertion, etc.

- 11] _____ a series of instructions that tell the computer hardware what to do.
- 12] _____ a formal language (often English-like) used by computer scientists to create instructions for the computer hardware.
- 13] _____ a collection machine language instructions that enable the computer to perform some function. Examples might include Excel, Lotus, Quatro, Word, Word Perfect , Corel, PaintShop, and Paint. The answer is not Software!
- 14] _____ a computer program which converts high level instructions into binary machine language.
- 15] _____ A program used to provide a terminal interface with a central computing system.
- 16] List at least three examples of operating systems with graphical user interfaces. _____

- 17] List at least three examples of operating systems with graphical user interfaces. _____

- 18] List at least three operating systems. _____
- 19] _____ (T/F) The Telnet application supports mouse interaction as well as drag & drop processing.
- 20] What is the purpose of directories and folders? _____
- 21] What is the name of the editor available on most IBM PC systems? _____
- 22] Name one of the two dominant Word Processors. _____
- 23] Name at least three programming languages. _____
- 24] What is the name of the editor available on most UNIX systems? _____
- 25] What is the name of the editor available on most Macintosh systems? _____
- 26] ASCII is an acronym for _____
- 27] GUI is an acronym for _____
- 28] A bit -may either be a _____ or a _____.
- 29] How many bits are there in a byte? _____
- 30] A _____ is the amount of space necessary to store one character.
- 31] What is your UserName? _____
- 32] On which UNIX systems are you authorized to login ? _____
- 33] List at least one connection that you can provide to Telnet in order to logon. _____

Hint: **rattler.cs.utexas.edu**

34] After Telnet connects to the host, what two pieces of information must you supply in order to login?

35] Once logged into a UNIX system, how do you log off the system? _____

36] How do you clear the screen? _____

37] _____ (T/F) The UNIX password is case sensitive.

38] What characters may be used in a valid UNIX file name?

39] A list of potential file names appears below (one to a line). Circle those which are valid! X-out those which are invalid!

123
ABC
A
Hot Dog
Good\Stuff
Good_Stuff
GoodStuff
PrayerSometimesHelpsWhenTakingExams

40] A file/directory name may be _____ to _____ characters in length

41] How can you get a brief display of all non-hidden files? _____

42] How can you get a brief display of all files? _____

43] How can you get a long file display of all non-hidden files? _____

44] How can you get a long file display all files? _____

45] The long file display listing includes some things not found in the brief display. List at least three items unique to the long listing. _____

46] How can you evoke the vi editor to create a file, called **NoteToDoc.txt**. _____

47] The UNIX systems often contain two electronic mail systems. Name one of them. _____

48] How can you display the contents of a file, called **NoteToDoc.txt**. _____

49] How can you duplicate file **NoteToDoc.txt**? Call the duplicate **Note1.txt** _____

50] How can you print a file, called **NoteToDoc.txt**, on the default printer? _____

51] How can you print a file, called **NoteToDoc.txt**, on printer called **atlas2**? _____

52] How can you change the name of file **NoteToDoc.txt** to **Note2.txt** _____

53] How can you erase file **Note2.txt** _____

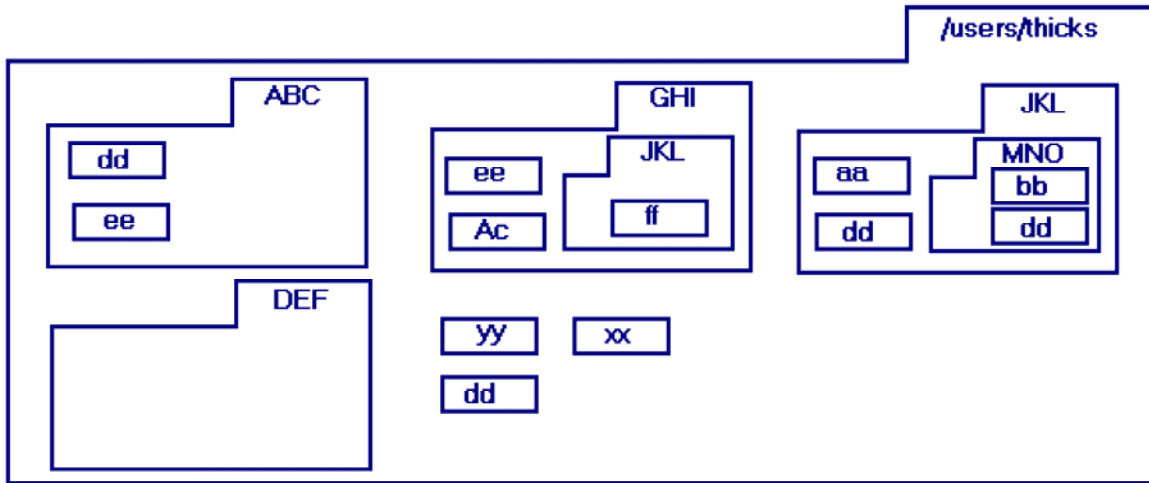
54] How can you get a long file display of all non-hidden files that begin with a **Th**? _____

55] How can you erase all files that end with a **.c**? _____

56] How can you get a brief display of all non-hidden files that begin with a **Th** and end with **.f** ? _____

57] What is the name of your root directory! _____

58] Name at least one computer on which you can login. _____



Use the Drawing above for the following questions. Assume that the root directory for the user is **/users/thicks**

59] How do you make the root directory the active directory (no matter what the active directory)?

60] Assume that **/users/thicks** is the active directory. How do you make **JKL** the active directory?

61] Assume that **/users/thicks** is the active directory. How do you make **MNO** the active directory?

62] Assume that **/users/thicks/JKL/MNO** is the active directory. How do you make **JKL** the active directory?

63] Assume that **/users/thicks/JKL** is the active directory. How do you make **/users/thicks** the active directory?

64] Assume that **/users/thicks** is the active directory. How do you make **/users** the active directory?

65] Assume that **/users/thicks** is the active directory. How do you create a directory called **Java**?

UNIX I Lab

66] Assume that **/users/thicks** is the active directory. How do you create a directory called **Java** (within the /users/thicks folder)?

67] Assume that **/users/thicks** is the active directory. How do you create a directory called **Java** (within the /users/thicks/DEF folder)?

68] What is the complete path for folder **DEF**? _____ Folder **DEF** contains _____ folders called _____ . Folder **DEF** contains _____ files called _____

69] What is the complete path for folder **JKL**? _____ Folder **JKL** contains _____ folders called _____ . Folder **JKL** contains _____ files called _____ .

70] What is the complete path for folder **MNO**? _____ Folder **MNO** contains _____ folders called _____ . Folder **MNO** contains _____ files called _____

71] What is the complete path for file **ee**? _____

72] What is the complete path for file **bb**? _____

Be able to define any one of the following: (You Need Not Do So On This Assignment Sheet)

bit	byte	file	directory/folder	directory/folder
ASCII	hardware	software	operating system	graphical user interface
editor	text file	compiler	programming language	binary/executable file
Telnet				

73] Those Labs labeled "Individual Assignment" are to be done separately by each individual. Using a pen, each individual is to print his/her Title at the top of this document in the space provided and sign it. Those Labs labeled "Team Assignment" may be done as a team or individually. Using a pen, each individual on the team is to print print his/her Title at the top of this document in the space provided and sign it.

Turn in the following:

A] Turn in one hand-written copy of this lab per person.

B] Nothing will be graded until this lab form is submitted. Staple the pages. Fold the lab Horizontally (like a hot dog) and write your name nice and large on the outside. Place it on the professor desk before the beginning of lecture on the day it is due. All assignments are due the next class period unless otherwise designated on the schedule page.