

**ITNW 2305 NOVELL LINUX SLES-12
PROFESSOR ONABAJO
LAB #2 UTILITIES LABS**

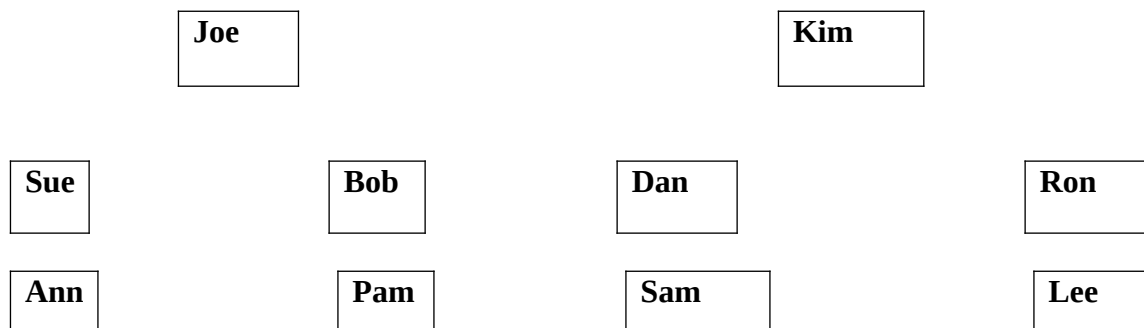
LASTNAME_____FNAME_____

PART I

- A. Make a file News1 with the following Text: (use any of the text editors)**
Public Key infrastructures (PKIs) are central security
Foundation for an Organization.
It provides the underlying mechanism that offer
confidentiality, Integrity, authentication and non-
repudiation
- B. List out the present permission of this file in the beginning**
Change the access permission using chmod
Give owner access permission read write and execute
Give a permission read/write for group but no execute
Give permission execute only to everyone else
- C List and print out the result of this operation**

PART II

Building the following Directory Structure / File System



PART III

Hard link & Soft Link

Using the two file systems that you built in Utility Lab #1

- A. Copy News1 from your root to Ann directory
Building a Hard Link between Ann and Pam so that Ann and Pam can share this document. Print out your result
- B Copy News2 from the root into Bob Directory
Also Build a Soft Link between Bob and Lee (in two different file system)
So that Bob and Lee can share this document News2 . Print out your result.

PART IV

Instructions:

Copy News1 from lab#0 above to file named memo

Perform the commands when memo does exist and when memo does not exist
Print or write out each command with explanation.

Standard Input, Standard Output & Standard Error

- A. What do the following commands do under the Bourne shell
 - (a) cat 1> letter 2 > save 0< memo
 - (b) cat 2> save 0 < memo 1> letter
 - (c) cat 1> letter 0< memo 2> &1
 - (d) cat 0 <memo | sort 1> letter 2 > /dev/null
 - (e) cat 2 > save 0 < memo | sort 1> letter 2> /dev/null

