

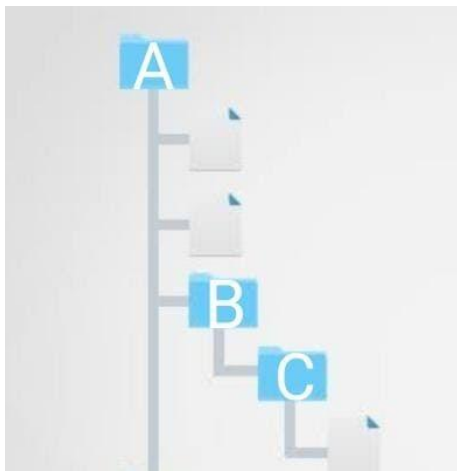
Linux

Assignment 1:

- When we create a user, some hidden files are generated in the directory of the same user at that time. How is it done?

Answer- ls -a

- Make subdirectories inside a parent directory by using single mkdir command (refer figure given below)



Answer- mkdir -p a1/a2/a3/a4

- tac command vs cat command

Answer- Cat command, acronym for **Concatenate**, is one of the most used commands in linux systems. The most basic usage of the command is to read files and display them to **stdout**, meaning to display the content of files on your terminal.

On the other hand, a lesser known and less used command in linux systems is tac command. **Tac** is practically the reverse version of cat command (also spelled backwards) which prints each line of a file starting from the bottom line and finishing on the top line to your machine standard output.

Assignment 2:

- Change the Umask value for any user permanently.

Answer- Backup the /etc/login.defs file and open it for editing.

Update the umask setting and save the file.

Add a new user and check the default permissions of home directory.

Restore the original configuration file back

- Add a new user without using adduser & useradd command

Answer- Add an entry for the user in /etc/passwd file.

Add an entry for the group in /etc/group file.

Create the home directory for the added user.

Set the new user password using the passwd command.

- Can we change the Umask value to 0888.
 - If yes, then how. If not then why ?

Answer- No, as permissions are till 7 only

- How to add a new user with a Unique user id (e.g 1345) & check out the unique Id of that user.

Answer- adduser xyz|id

- How to change the group of any folder
 - After this checkout the group name of the files present in that folder.
 - Try to change the group of the folder & the files present in the same folder using a single command

Answer- chgrp www-data filename

a) ls -l

b) chgrp www-data filename|ls -l

Assignment 3:

- Create & compress the file with bzip2.

Answer- cat filename

bzip2 -z filename

- What should be the argument to be given to unzip that file.

Answer- unzip file.zip

- Read a file & show the data on terminal using file input & output redirection

Answer- Input redirection- cat < file.txt

Output redirection- cat > file.txt

- How to change the shell of user to “/bin/sh” at the time of adding the user

Answer- usermod-shell bin/bash accountname