# **Basic Linux Commands Assignments**

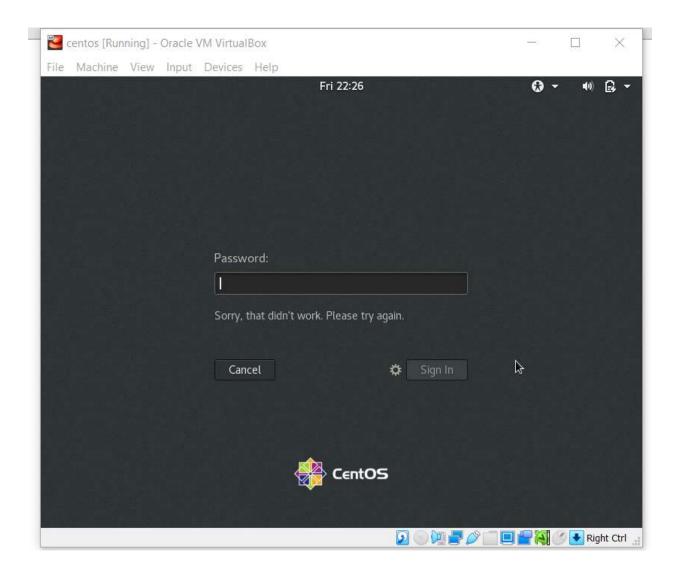
Assignment date: 9th OCT 2022

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## Assignment-1: Connect and disconnect with login Access

- 1) What happens when you login a non-existent users or username?
- → It will allow to write username on first step and password on next step but when we try to sign in, it won't allow and will show a message "Sorry, that didn't work. Please try again."

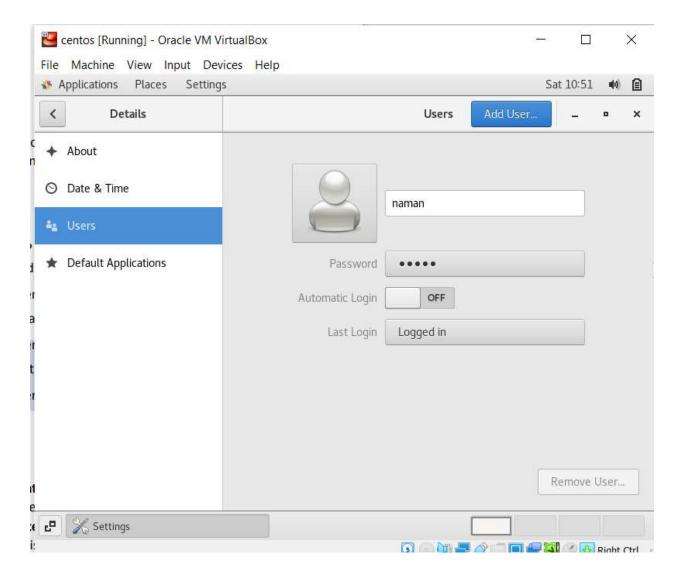


## **Assignment-2: Password changing**

1) Login into your account and then change password?

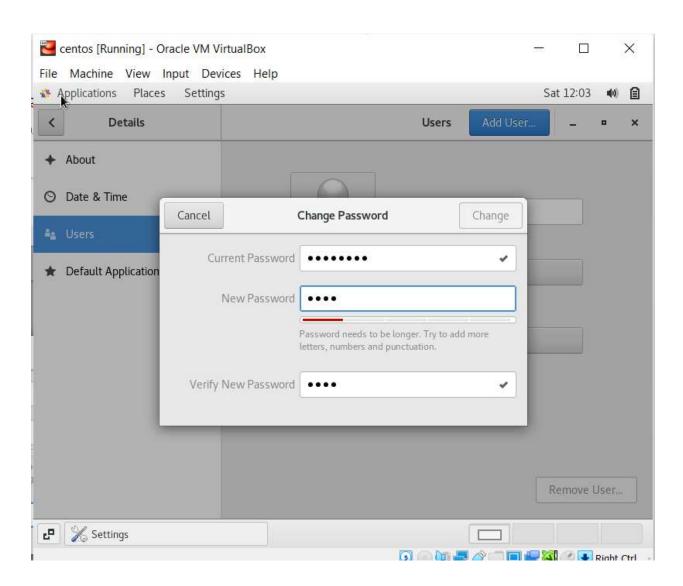
#### Change your password into IneuR0n#42 and hit the Enter key

→ First we need to unlock by entering root password, then we can change password. Same I did and I was able to change password.



#### Try again to change password but use like password 1234 or abcd

→ Not able to change password since new password is not fair enough as per password policy to be set as password.



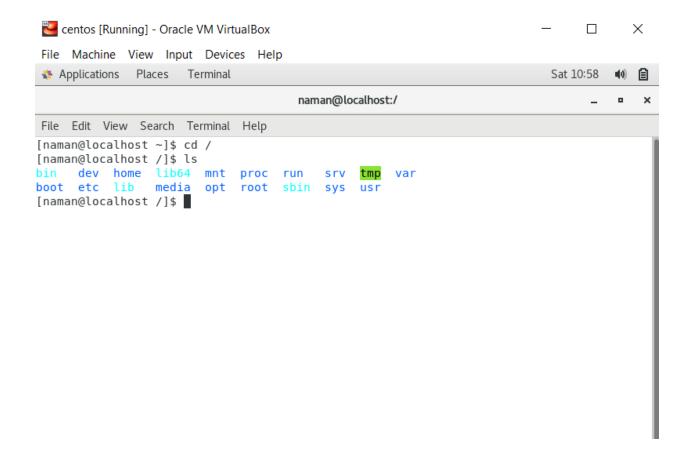
#### Try again to change password but now don't use any password just hit Enter key

→ Not able to change password, as we have not entered current as well as new password.

## **Assignment-3: Working with Directories**

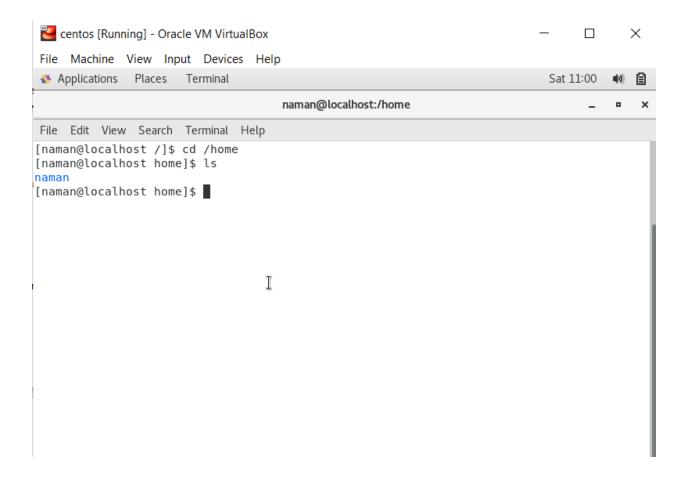
#### 1) Enter the command cd / and then ls and then hit Enter key

→ cd / will change our present working directory to root directory. After that ls will list files and directories under /



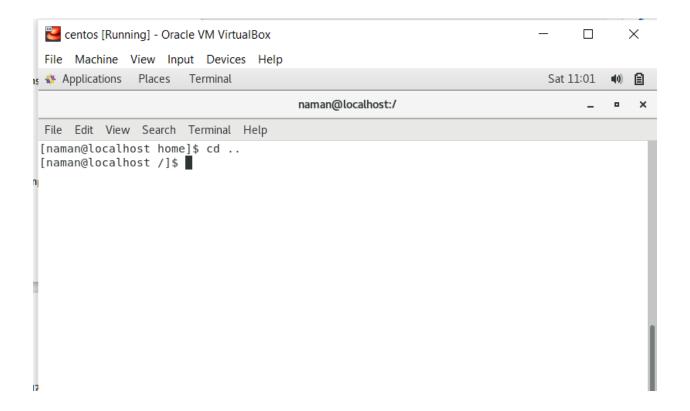
#### 2) Enter the command now cd /home and then hit Enter key

- → cd /home will change our present working directory to home directory. After that Is will list files and directories under /home.
- → A home directory is a file system directory on a multiuser operating system containing files for a given user of the system. With the home directory the user can store all their personal information, files, etc.



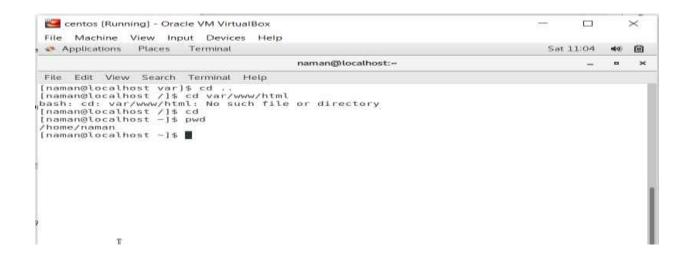
#### 3) Enter cd .. and hit Enter key [ Note: here we have space after cd then use double dot]

→ cd.. will change our present working directory to current directory's parent directory. So when we are on /home and if we do cd.. then our present working directory will be /



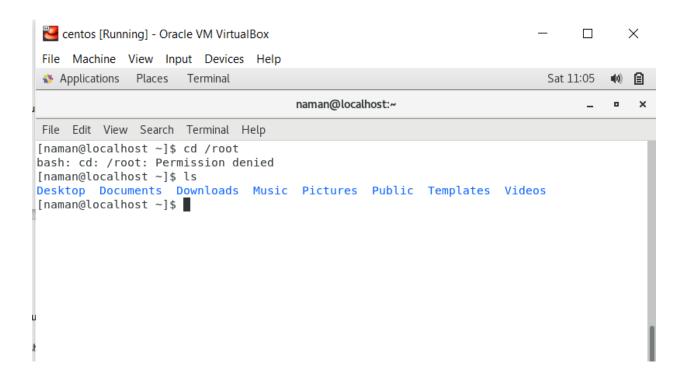
#### 4) Now enter cd /var/www/html and then type cd and hit Enter key

→ Able to get into /var but /var don't have any child directory called www. So it shows no such file or directory.

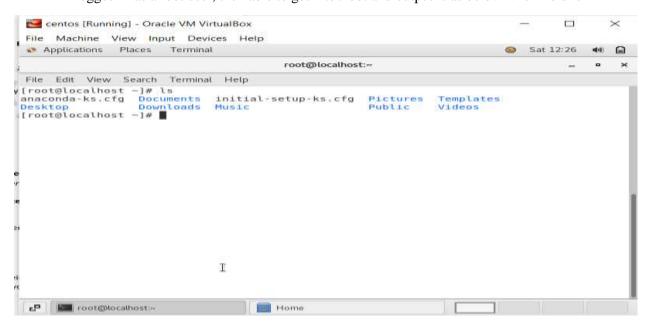


#### 5) Now type cd /root and then hit Enter key

→ Giving permission denied when logged in as a normal user.



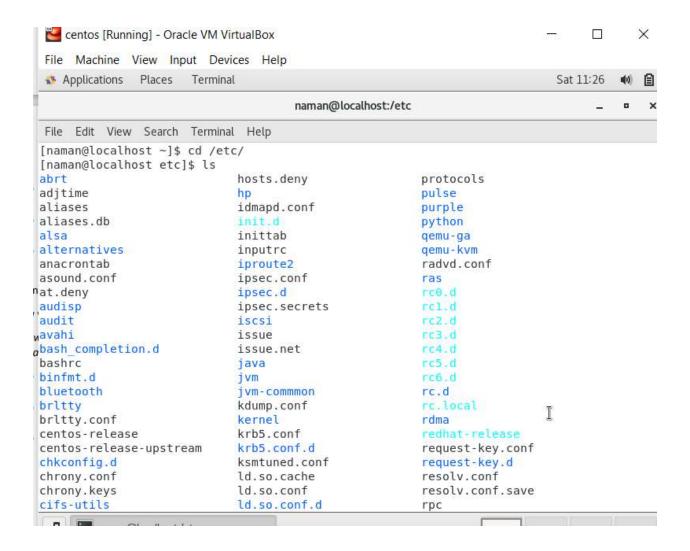
→ If logged in as a root user, then able to get into /root and output is as below when I did ls



## **Assignment-4: Working with File Listing**

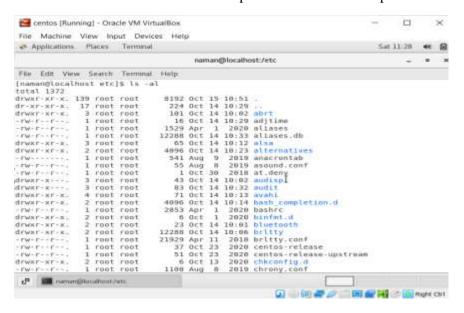
#### 1) Go to cd /etc and type ls

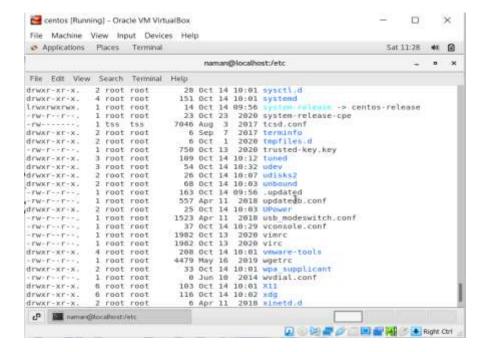
→ cd /etc will change our present working directory to /etc directory. And ls will list files and directories under /etc. ls won't show any hidden files (starting with .)



#### 2) Then type Is -al and hit Enter key

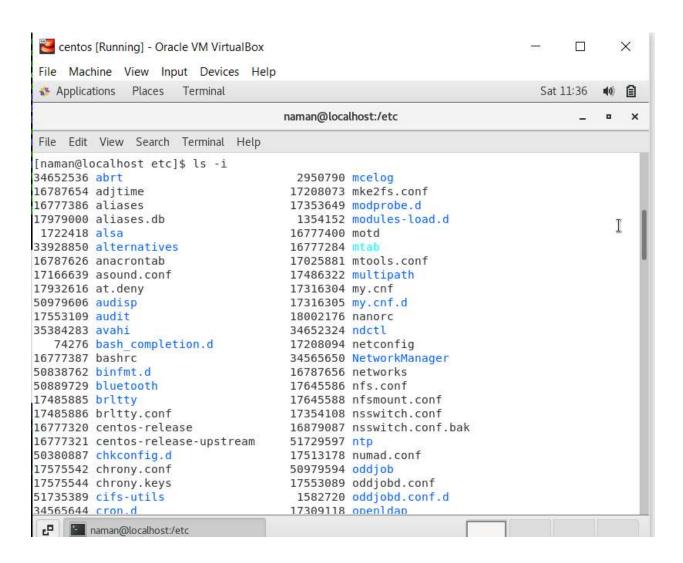
→ ls —al will show all files and directories, along with permissions and it will show hidden files/directories as well. Example we are able to see .updated file





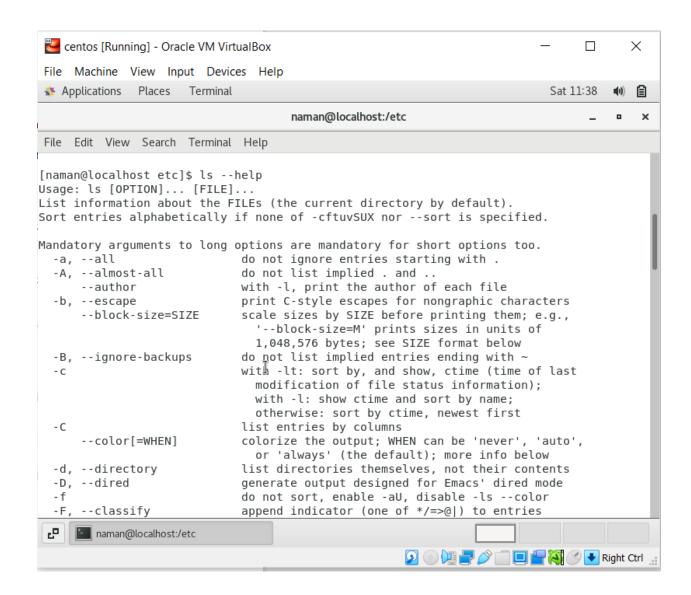
#### 3) Then use Is -i and hit Enter key

→ Sometimes you may want to know the inone number of a file. Use -i option to display inone number.



#### 4) Then use Is –help and see other options about Is command

→ it will show various options we can add as part of ls command



#### Additional performed options with ls:

Order Files Based on Last Modified Time Using ls –lt

Order Files Based on Last Modified Time (In Reverse Order) Using ls -ltr

Display One File per Line Using ls -1

Display File Size in Human Readable Format Using ls -lh

list all the files and directories without the owner details ls - g

list the files and directories separated by a comma ls-m

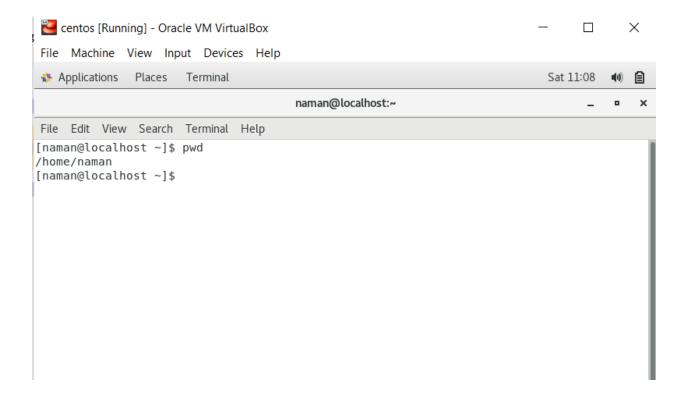
list files and directories sorted by file-size ls -lS

## Assignment-5: Know where you are and where you working

Here we use pwd, cd and ls as combine task to understand where you working on terminal and how you can switch from one directory to another one

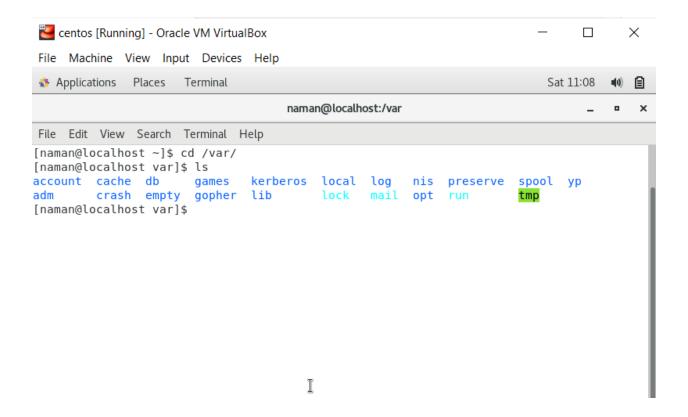
#### 1) Open terminal after restart the linux. Check which location you working, type pwd

→ pwd stands for Print Working Directory. So at any given point of time if we want to see where we are, we can use pwd.



#### 2) Now use cd /var and hit Enter key Do ls, and see what output comes,

→ ls will show directories/files under our pwd (/var)



## 3) Explore other help options of each command to learn more other things we can do with these commands

→ yes I did explored other commands(cat, echo, touch, cp, mv, diff, etc..) as well.

### **Assignment-6: Update CentOS machine**

- → I am logged in as root user, and I ran command yum update and it did updated. After that update also, I ran again and it showed below output like "No packages marked for update". So Machine is successfully updated (figure 1).
- → If we are logged in as a user, then yum update will ask to login as a root to perform this update. So we have to act root to perform yum update (figure 2).

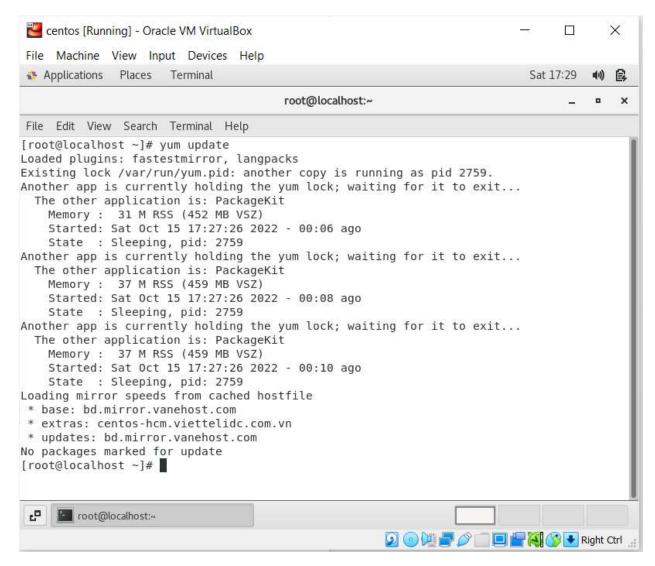


Figure 1- with root account

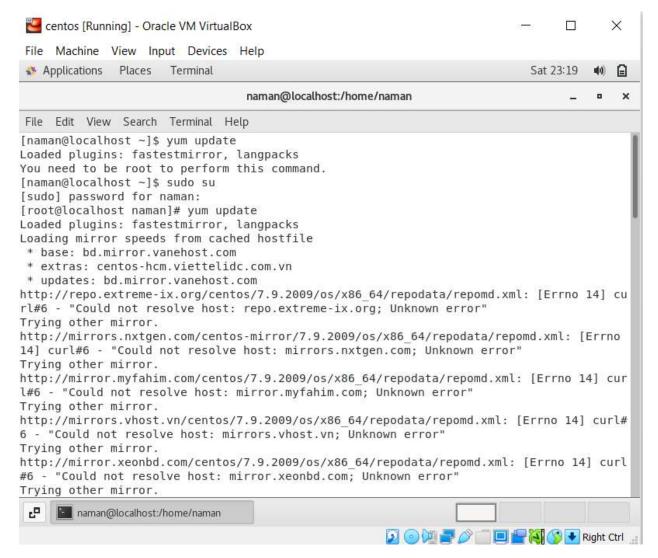


Figure 2- with user account

## Assignment-7: Install all the dependencies for making CentOS full screen

→ By adding necessary dependencies through terminal, now I am able to launch CentOS in full screen.

