

Basic Linux Commands Assignments

Assignment-1

Connect and disconnect with login Access

- What happens when you login a non-existent users or username?
 - Provide Screenshot and What you understand, explain in short brief?
 Ans. User does not exist. User name which I am trying to log in is not exist.

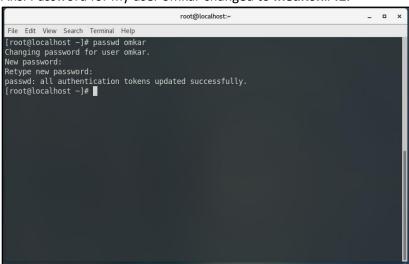


Assignment-2

Password changing

- Login into your account and then change password?
 - Change your password into *IneuR0n#42* and hit the Enter key
 - Explain what happen and give screenshot?

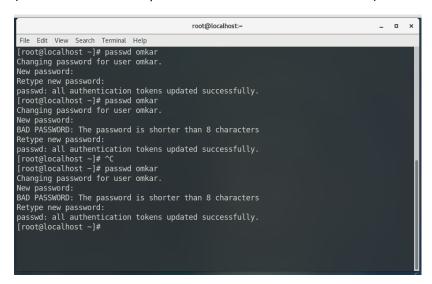
Ans. Password for my user omkar changed to IneuR0n#42.



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

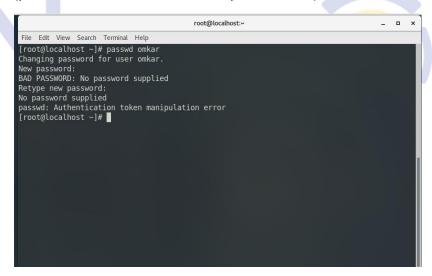
Explain what happen and give screenshot?

Ans. Password changed to 1234 but with a prompt of bad password. (BAD PASSWORD: The password is shorter than 8 characters)



- Try again to change password but now don't use any password just hit Enter key
 - Explain what happen and give screenshot?

Ans. Password for the use not changed with prompt 'No password supplied'. (passwd: Authentication token manipulation error)



Assignment-3

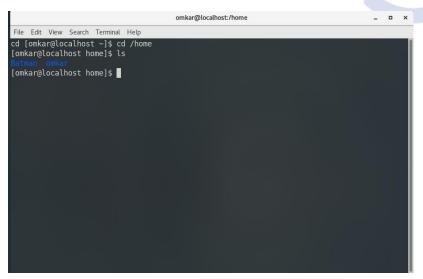
Working with Directories

- Enter the command cd / and then Is and then hit Enter key
 - o Take screenshot and explain what output we got?

Ans. command 'cd /' changes directory to the root directory. 'ls' command shows list of files and directories inside directory.



- Enter the command now **cd /home** and then hit **Enter** key
 - Do Is, provide screenshot and explain what is /home directory used for?
 Ans. Home directory contains user's personal files and information. Each user has its own directory.



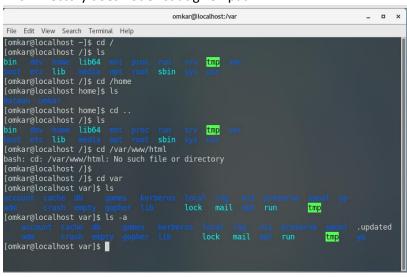
- Enter cd .. and hit Enter key [Note: here we have space after cd then use double dot]
 - o Check what happen and give screenshot?

Ans. Command used to move one directory up from current directory. Again we are in root directory.



- Now enter cd /var/www/html and then type cd and hit Enter key
 - o Explain what happen and give screenshot?

Ans. Directory does not exist at given path.



- Now type cd /root and then hit Enter key
 - Do Is, check any output we have on screen if yes then take screenshot?

 Ans.

```
omkar@localhost:~ _ _ _ _ ×

File Edit View Search Terminal Help

[omkar@localhost var]$ sudo cd /root

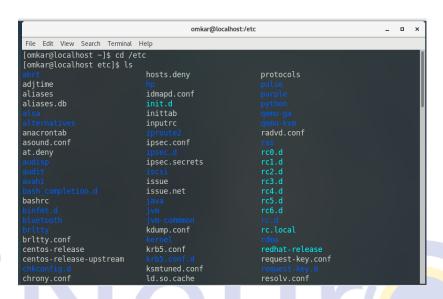
[sudo] password for omkar:
omkar is not in the sudoers file. This incident will be reported.
[omkar@localhost var]$ su root
Password:
su: Authentication failure
[omkar@localhost var]$ su root
Password:
[root@localhost var]# cd /root
[root@localhost -]# ls
anaconda-ks.cfg initial-setup-ks.cfg
[root@localhost -]# |
```

Assignment-4

Working with File Listing

- Go to cd /etc and type Is
 - o Take screenshot and explain what files you have seeing?
 - Take screenshot and explain what different output you found compare to previous command you used?

Ans. etc folder contains system's configuration files.



- Then type is -al and hit Enter key
 - o Take screenshot and explain what new file or directory you found?

Ans. '-al' show list of hidden files starting with . symbol and column wise details including file permissions, number of links to the file, owner and group information, size of file in bytes, date and time, file or directory name.

```
omkar@localhost:/etc
                                                                                                                                                                  File Edit View Search Terminal Help
 [omkar@localhost etc]$
[omkar@localhost etc]$ ls -al
                                                         8192 Oct 16 12:40

224 Oct 9 20:27

101 Oct 9 19:43 dbrt

16 Oct 9 20:12 adjtime

1529 Apr 1 20:20 aliases

12288 Oct 9 20:16 aliases.db
drwxr-xr-x. 140 root root
dr-xr-xr-x. 17 root root
drwxr-xr-x. 3 root root
-rw-r--r-. 1 root root
                                                       1529 Apr
12288 Oct
                           1 root root
                                                         4096 Oct 9 20:43 alternative 541 Jan 13 2022 anacrontab
                           1 root root
                                                            55 Aug 8 2019 asound.conf
1 May 18 21:24 at.deny
43 Oct 9 19:44 audisp
-rw-r--r--.
drwxr-x---.
                           1 root root
                                                            83 Oct
71 Oct
                                                                            9 20:16
9 19:52
                           4 root root
                                                         2853 Apr
6 Sep
                                                                            1 2020 bashrc
1 20:27 binfat
                           1 root root
drwxr-xr-x.
                               root root
                                                             23 Oct
                                                        12288 Oct
                                                                            9 19:45
                               root root
                                                        21929 Apr 11
```

- Then use Is -i and hit Enter key
 - Now see what different output its shows and take screenshot?
 Ans. Prints index number of each file.

```
omkar@localhost:/etc
                                                                                                                                       п ×
 File Edit View Search Terminal Help
[omkar@localhost etc]$
[omkar@localhost etc]$ ls -i
34489888
                                                           50931816 modu
16778463 motd
16778449 alíases
18559014 aliases.db
                                                           16777284 mtab
17007714 mtools.conf
17447425 asound.conf
17490812 at.deny
                                                           17005523 my.cnf
1303890 my.cnf
1820758
34549135
                                                            1660998
                                                           17747413 NetworkM
17562199 networks
    78055
16778450 bashrc
                                                           17724278 nfs.conf
17747444 nfsmount.conf
                                                           17562625 nsswitch.conf
16904514 nsswitch.conf.bak
18068125 brltty.conf
16777343 centos-release
                                                           17820947 numad.conf
18019730 oddjob
50442672
18068087 chrony.conf
```

- Then use **Is -help** and see other options about **Is** command
 - o Explore it and try with other attribute we can use with Is command

Assignment-5

Know where you are and where you working

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

- Open terminal after restart the linux
 - Check which location you working, type pwd and take screenshot



- Now use **cd /var** and hit **Enter** key
 - o Do Is, and see what output comes, give screenshot?



• Do explore other help options of each command to learn more other things we can do with these commands

ls	Command show list of files and directories without any detail information.
ls -r	List files in reverse order.
ls -t	shows files by last modified, last edited file shows first here.
ls -1	shows one file per line.
ls -l	list of files and directories with detail information including file permission,
	number of links, file size, file owner, group, last modified date and time.
ls -ld	works same as Is -I command but shows details of particular single file only. Ex.
	Ls -id /var
ls -a	shows all the files including hidden files starting with . or
ls -i	shows inode number of file. It is unique to every file and can not be same for
	other file in same file system.