Linux lab3

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Display the first 4 lines of /etc/passwd
 [igaber@localhost Documents]\$ head -n 4 /etc/passwd

```
[igaber@localhost ~]$ head -n 4 /etc/passwd
rootix:0:0:rooti/rooti/bin/bash
bin:xil:1:bin:/bin:/sbin/ologin
daemonix:2:2:daemoni/sbin/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
```

 Display the last 7 lines of /etc/passwd [igaber@localhost ~]\$ tail -n 7 /etc/passwd

```
[igaber@localhost -]$ tail -n 7 /etc/passwd
chrony:x:980:970:chrony system user:/var/tib/chrony:/sbin/nologin
dnsmagq:x:959:978:Dnsmagd DHCP and DNS server:/var/tib/dnsmasq:/usr/sbin/nologin
tcpdump:x:72:72::/;sbin/nologin
tcpdump:x:72:72::/sbin/nologin
igaber:x:1000:1000:1sram ambnamed gaber:/bin/bash
user!:x:1001:1002::/home/user!:/bin/bash
islam:x:1004:1004:1004:socoooooooooooooooo:/home/salma:/bin/bash
salm:x:1004:1004:1004:socoooooooooooooooo:/home/salma:/bin/bash
```

3) Remove dir11 in one step. What did you notice? [igaber@localhost ~]\$ sudo rm -r diri1/dirl Ls -l dir1 Can't remove because contian files

```
[igaber@localhost ~]$ sudo rm -r diril
[sudo] password for igaber:
rm: cannot remove 'diril':
```

4) Count the words in the /etc/passwd [igaber@localhost ~]\$ wc -w /etc/passwd

```
[igaber@localhost ~]$ wc -w /etc/passwd
96 /etc/passwd
```

5) Count the lines in /etc/ passwd [igaber@localhost ~]\$ wc -l /etc/passwd

```
[igaber@localhost ~]$ wc -l /etc/passwd
40 /etc/passwd
```

6) Using vi/vim write your CV in a file mycv. Your CV should include your name, age, school, college, experience, ... [igaber@localhost ~]\$ vim mycv

igaber@localhost ~]\$ vim mycv



7) Open mycv file using vim command then:

Without using arrows state how to:

a) Move the cursor down one line at a time.

[igaber@localhost ~]\$ vim mycv

press esc then use i

b) Move the cursor up one line at a time.

using k or Using 'ctrl + p'

c) Search for the word age

using /age

Note after / name of think you want

After search we use :noh to remove highlight

d)Step to line 4 (assuming that you are in line 1 and the file is more than 5 lines).

Mention number before G

4G

first number of line and G for go

e) Delete the line you are on and line 5.

Standing on line 2, use the command "dd" to delete the current line, followed by ":5d" to delete line 5.

U for undo

f) How to step to the end of the line and change to writing mode in one step.

using A

g) copy line 2 to the end of the file

Go to line 2

2G

Yank the line

УУ

Move to the end of the file

G

Paste the lines

Ρ

h) delete the school name using the visual mode

Go to the line containing the school's name.

Enter visual mode:

ν

Highlight the school's name, then press:

Ы

i) Enable numbering lines in vim

:set number

8) [igaber@localhost ~]\$ touch ~/myfile

[figaber@localhost =]\$ touch =/myfile [figaber@localhost =]\$

a)first to check islam is exist or not

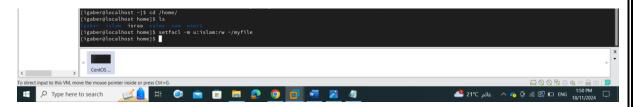
[igaber@localhost ~]\$ cd /home/

[igaber@localhost home]\$ ls

igaber islam israa salma sam user1

then make permission

[igaber@localhost home]\$ setfacl -m u:islam:rw ~/myfile



b) Create a user named intern

[igaber@localhost home]\$ sudo useradd intern [sudo] password for igaber:

[igaber@localhost home]\$ ls

igaber intern islam israa salma sam user1

```
[rigober@localnost home]s such outerand intern
[sudo] password for igaber:
[sigober@localhost home]s is
[gaber intern islam israe salma sam user]
[rigober@localhost home]s is
```

c) Prevent user intern from accessing myfile

[igaber@localhost home]\$ setfacl -m u:intern:--- ~/myfile

[igaber@localhost home]\$ ls -l

7) Display the number of users who are currently logged in to the system. [igaber@localhost home]\$ who | wc -l

igaber@localhost home]\$ who | wc -l

8) A) Display lines 7 to line 10 of /etc/passwd file [igaber@localhost home]\$ sed -n '7,10p' /etc/passwd or [igaber@localhost ~]\$ head -n 10 /etc/passwd |tail -n 4 /etc/passwd

Use head or tail only

```
igaber@localhost home]$ sed -n '7,10p' /etc/passwd
hutdown:x6:0sihutdown:/abin:/abin/shutdown
alt:x7:0sihalt:/sbin/sbin/halt
alt:x8:12:2sail:/yar/spool/mail:/sbin/nologin
perator:x:11:0:operator:/root:/sbin/nologin
```

b) Change the permissions of oldpasswd file to give the owner read and write permissions and for group write and execute and execute only for the others (using chmod in 2 different ways)

Change your default permissions to be as above.

Unmask 046

c) File: -rw-r--r- (644)

Directory: drwxr-xr-x (755)

d)

[igaber@localhost home]\$ umask

0022

[igaber@localhost home]\$ umask 0077

[igaber@localhost home]\$ mkdir testdir

mkdir: cannot create directory 'testdir': Permission denied

[igaber@localhost home]\$ touch testfile

touch: cannot touch 'testfile': Permission denied

[igaber@localhost home]\$ ls -ld testdir testfile

ls: cannot access 'testdir': No such file or directory

ls: cannot access 'testfile': No such file or directory

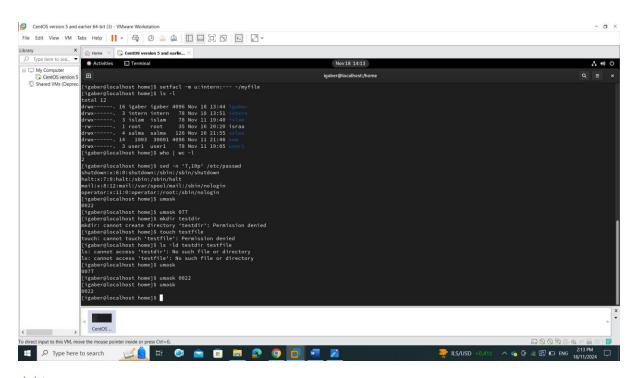
return mask to original

[igaber@localhost home]\$ umask 0022

[igaber@localhost home]\$ umask

0022

wrong



right

