

LinuxLab01

2. What is the different between cat and more command?

- cat ⇒ displays file contents, show all the pages at a time.
- more ⇒ shows page by page, only one page at a time.

3. What is the difference between rm and rmdir using man?

- rm: used to remove the directory and its content.
- rmdir: used to remove the empty directory.

4. Create the hierarchy under your home directory:

```
File Edit View Search Terminal Help

[afnan@cloud ~]$ mkdir docs
[afnan@cloud ~]$ touch docs/mycv
[afnan@cloud ~]$ mkdir dir1
[afnan@cloud ~]$ mkdir dir1/[afnan@cloud ~]$ mkdir dir1/[afnan@cloud ~]$ mkdir dir1/[afnan@cloud ~]$ mkdir dir1/[afnan@cloud ~]$ touch dir1/[afnan@cloud ~]$ mkdir dir1/[afnan@cloud ~]$
```

5. Remove dir11 in one-step. What did you notice? And how did you overcome that?

rmdir

we can't delete dir11 using command "rmdir because dir11 in not an empty directory.

.

To overcome that we use the command (rm -r dir11)

• rm

```
[afnan@cloud dir1]$ | afnan@cloud dir1]$ | afnan@cl
```

6. Then remove dir12 using rmdir –p command. State what happened to the hierarchy

(Note: you are in your home directory).

```
[afnan@cloud ~]$ rmdir -p dir1/dir12
[afnan@cloud ~]$ ls
Desktop Documents Music Pictures Templates
docs Downloads mydocs Public Videos
[afnan@cloud ~]$
```

7. Copy the /etc/passwd file to your home directory making its name is mypasswd.

```
[afnan@cloud ~]$ cp /etc/passwd mypasswd
[afnan@cloud ~]$ ls
Desktop Documents Music mypasswd Public Videos
docs Downloads mydocs Pictures Templates
[afnan@cloud ~]$
```

8. Rename this new file to be oldpasswd.

```
[afnan@cloud ~]$ mv mypasswd oldpasswd
[afnan@cloud ~]$ ls
Desktop Documents Music oldpasswd Public Videos
docs Downloads mydocs Pictures Templates
[afnan@cloud ~]$
```

9.The output of the command pwd was /home/user. Write the absolute and relative path for

the file mycv

- Absoulate path: cd /home/afnan/docs/mycv
- Relative path: ./docs/mycv

10. You are in /usr/bin, list four ways to go to your home directory

```
[afnan@cloud ~]$ cd /usr/bin
[afnan@cloud bin]$ cd ~/
[afnan@cloud ~]$
```

```
[afnan@cloud ~]$ cd /usr/bin
[afnan@cloud bin]$ cd ~
[afnan@cloud ~]$
```

```
[afnan@cloud ~]$ cd /usr/bin
[afnan@cloud bin]$ cd
[afnan@cloud ~]$
```

11.List Linux commands in /usr/bin that start with letter w

```
[afnan@cloud ~]$ cd /usr/bin
[afnan@cloud bin]$ ls w*
w watchgnupg wget whiptail wnck-urgency-monitor wvtag
wait wavpack whatis who word-list-compress wvunpack
wall wc whereis whoami write
watch wdctl which withsctp wvgain
[afnan@cloud bin]$
```

12.Display the first 4 lines of /etc/passwd

```
[afnan@cloud bin]$ head -4 /etc/passwd
root:x:0:0:root:/root:/bin/bash
bin:x:1:1:bin:/bin:/sbin/nologin
daemon:x:2:2:daemon:/sbin:/sbin/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
[afnan@cloud bin]$
```

13.Display the last 7 lines of /etc/passwd

```
[afnan@cloud bin]$ tail -7 /etc/passwd
gdm:x:42:42::/var/lib/gdm:/sbin/nologin
clevis:x:977:976:Clevis Decryption Framework unprivileged user:/var/cache/clevis
:/sbin/nologin
gnome-initial-setup:x:976:975::/run/gnome-initial-setup/:/sbin/nologin
pesign:x:975:974:Group for the pesign signing daemon:/var/run/pesign:/sbin/nolog
in
sshd:x:74:74:Privilege-separated SSH:/var/empty/sshd:/sbin/nologin
tcpdump:x:72:72::/:/sbin/nologin
afnan:x:1000:1000:Afnan:/home/afnan:/bin/bash
[afnan@cloud bin]$
```

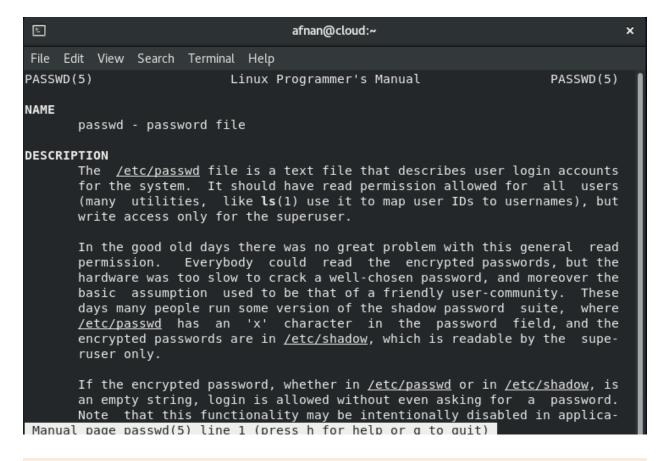
14.Display the man pages of passwd the command and the file sequentially in one command.

```
[afnan@cloud ~]$ man -a passwd
```

```
2
                                   afnan@cloud:~
                                                                              ×
File Edit View Search Terminal Help
PASSWD(1)
                                User utilities
                                                                    PASSWD(1)
NAME
       passwd - update user's authentication tokens
SYNOPSIS
       passwd [-k] [-l] [-u [-f]] [-d] [-e] [-n mindays] [-x maxdays] [-w
       warndays] [-i inactivedays] [-S] [--stdin] [-?] [--usage] [username]
DESCRIPTION
       The passwd utility is used to update user's authentication token(s).
       This task is achieved through calls to the Linux-PAM and Libuser API.
       Essentially, it initializes itself as a "passwd" service with Linux-PAM
       and utilizes configured password modules to authenticate and then
       update a user's password.
       A simple entry in the global Linux-PAM configuration file for this ser-
       vice would be:
       # passwd service entry that does strength checking of
       # a proposed password before updating it.
Manual page passwd(1) line 1 (press h for help or q to quit)
```

15.Display the man page of the passwd file.

```
[afnan@cloud ~]$ man 5 passwd
[afnan@cloud ~]$
```



16.Display a list of all the commands that contain the keyword passwd in their man page.

```
[afnan@cloud ~]$ man -k passwd
```