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

Cat: view content of files

More: view the content but divide into pages

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

rm: remove files &

rmidir: remove only the empty directory

4. Create the following hierarchy under your home directory:

dir1 docs
dir11 dir12 mycv

```
-basn: ca: nome: No such file or directory
[root@Alaa-khaled ~]# pwd
[root@Alaa-khaled ~]# cd /home
[root@Alaa-khaled home]# ls
alaa Alaa_Khaled bob harry natasha sara sysadms
[root@Alaa-khaled home]# mkdir dirl
[root@Alaa-khaled home]# ls
[root@Alaa-khaled home]# mkdir dir1/dir11
[root@Alaa-khaled home]# mkdir dir1/dir12
[root@Alaa-khaled home]# touch dir1/dir11/file1
[root@Alaa-khaled home]# mkdir docs
[root@Alaa-khaled home]# touch docs/mycv
[root@Alaa-khaled home]# ls
[root@Alaa-khaled home]# ls dir1
[root@Alaa-khaled home]# ls dir1/dir11
file1
[root@Alaa-khaled home]# ls docs
```

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

```
[root@Alaa-khaled home]# cd dir1
[root@Alaa-khaled dir1]# rm -rf dir11
[root@Alaa-khaled dir1]# ls
dir12
[root@Alaa-khaled dir1]#
```

4.b. Then remove dir12 using rmdir -p command. State what happened to the hierarchy (Note: you are in your home directory).

```
[root@Alaa-khaled dir1]# cd ..
[root@Alaa-khaled home]# cd dir1
[root@Alaa-khaled dir1]# rmdir -p dir12
[root@Alaa-khaled dir1]# ls
[root@Alaa-khaled dir1]#
```

4.c the output pwd /hom/user write Absolute and relative path for mycv

Absolute : cd home/docs/mycv

Relative cd

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

```
[root@Alaa-khaled docs]# cd ../..
[root@Alaa-khaled /]# cp -i etc/passwd /home/mypasswd
[root@Alaa-khaled /]# ls /home/
alaa Alaa_Khaled bob dir1 docs harry mypasswd nata
[root@Alaa-khaled /]#
```

6. Rename this new file to be oldpasswd.

```
[root@Alaa-khaled /]# mv /home/mypasswd /home/oldpasswd
[root@Alaa-khaled /]# ls /home/
alaa Alaa_Khaled bob dirl docs harry natasha oldpasswd
[root@Alaa-khaled /]#
```

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

Cd

Cd ../../home/alaa

Cd /home/alaa

```
[root@Alaa-khaled home]# cd $HOME
[root@Alaa-khaled ~]# pwd
/root
```

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

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

```
[root@Alaa-khaled home]# 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
[root@Alaa-khaled home]#
```

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

```
[root@Alaa-khaled home]# tail -7 /etc/passwd
tcpdump:x:72:72::/:/sbin/nologin
alaa:x:1000:1000:alaa khaled :/home/alaa:/bin/bash
natasha:x:1001:1002::/home/natasha:/bin/bash
harry:x:1002:1003::/home/harry:/bin/bash
sara:x:1003:1004::/home/sara:/sbin/nologin
Alaa_Khaled:x:1004:1005::/home/Alaa_Khaled:/bin/bash
bob:x:2112:2112::/home/bob:/bin/bash
[root@Alaa-khaled home]#
```

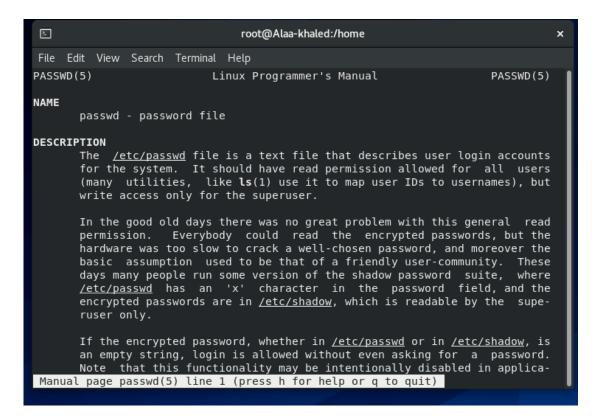
11. Display the man pages of passwd the command and the file sequentially in one command

```
[root@Alaa-khaled ~]# man -a passwd
--Man-- next: passwd(5) [ view (return) | skip (Ctrl-D) | quit (Ctrl-C) ]
^C
[root@Alaa-khaled ~]#
```

And quit I used q

12. Display the man page of the passwd file.

If y man --neth of man --usage for mor
[root@Alaa-khaled home]# man 5 passwd
[root@Alaa-khaled home]# ______



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

Man -k passwd