

1. Install Ubuntu OS using virtual machine.

Done.

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

cat: print on the terminal the content of a given file (all content) then quits automatically.

more: print on the terminal the content of a given file, but divided in pages, such that you can read pages of the file. We use space to go to further page and b to go to upper page. When you reach the end of the file the command quits automatically.

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

rm - removes files only by default.

rmdir - removes empty directories by default.

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

```
cp /etc/passwd /home/dina/mypasswd
```

5. Rename this new file to be oldpasswd.

```
mv ~/mypasswd ~/oldpasswd
```

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

1- cd ~/

2- cd /home/dina

3- cd ../../home/dina

4- cd ../../../../home/dina

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

```
ls /usr/bin | grep ^w
```



```
(base) dina@dina-Satellite-L50-B:~$ ls /usr/bin | grep ^w
w
wall
watch
watchnupg
wayland-scanner
wbmptopbm
wc
wget
whatis
whereis
which
who
whoami
whoopsie
whoopsie-preferences
winicontoppm
word-list-compress
wpa_passphrase
w.procps
write
(base) dina@dina-Satellite-L50-B:~$
```

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

```
head -n4 /etc/passwd
```

```
File Edit View Search Terminal Help
(base) dina@dina-Satellite-L50-B:~$ head -n4 /etc/passwd
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
(base) dina@dina-Satellite-L50-B:~$
```

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

```
tail -n7 /etc/passwd
```

```
File Edit View Search Terminal Help
(base) dina@dina-Satellite-L50-B:~$ tail -n7 /etc/passwd
colord:x:116:121:colord colour management daemon,,,:/var/lib/colord:/usr/sbin/nologin
hplip:x:117:7:HPLIP system user,,,:/var/run/hplip:/bin/false
geoclue:x:118:122::/var/lib/geoclue:/usr/sbin/nologin
pulse:x:119:123:PulseAudio daemon,,,:/var/run/pulse:/usr/sbin/nologin
gnome-initial-setup:x:120:65534::/run/gnome-initial-setup:/bin/false
gdm:x:121:125:Gnome Display Manager:/var/lib/gdm3:/bin/false
dina:x:1000:1000:dina,,,:/home/dina:/bin/bash
(base) dina@dina-Satellite-L50-B:~$
```

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

```
man passwd;cat /etc/passwd or man passwd && cat /etc/passwd
```

11. Display the man page of the passwd file.

```
man /etc/passwd
```

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

```
man -k passwd
```