

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

→ cat command displays the whole content of the file on the terminal .

→ more command makes file paging and displays only the content of the first page on the terminal with option to display more by pressing enter ,and to display the whole file content by pressing space.

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

→ rm to remove files .

→ rmdir to remove directory .

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

```
abdoalmany@abdoalmany-Lenovo-Ideapad-510-15IKB:/etc$ sudo cp -t /home passwd
abdoalmany@abdoalmany-Lenovo-Ideapad-510-15IKB:/etc$ cd /home
abdoalmany@abdoalmany-Lenovo-Ideapad-510-15IKB:/home$ ls
abdoalmany  passwd
abdoalmany@abdoalmany-Lenovo-Ideapad-510-15IKB:/home$ mv passwd mypasswd
mv: cannot move 'passwd' to 'mypasswd': Permission denied
abdoalmany@abdoalmany-Lenovo-Ideapad-510-15IKB:/home$ sudo mv passwd mypasswd
abdoalmany@abdoalmany-Lenovo-Ideapad-510-15IKB:/home$ ls
abdoalmany  mypasswd
```

5. Rename this new file to be oldpasswd.

```
abdoalmany@abdoalmany-Lenovo-Ideapad-510-15IKB:/home$ sudo mv mypasswd oldpasswd
abdoalmany@abdoalmany-Lenovo-Ideapad-510-15IKB:/home$ ls
abdoalmany  oldpasswd
```

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

→ cd /home

→ cd ~ ; cd ..

→ cd / ; cd home

→ cd .. ; cd .. ; cd home

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

```
abdoalmany@abdoalmany-Lenovo-Ideapad-510-15IKB:/usr/bin$ ls w*
w          whereis          wkhtmltopdf      write
wall       which            wmf2eps          wsrep_sst_common
watch      whiptail         wmf2fig          wsrep_sst_mariabackup
watchgnupg who              wmf2gd           wsrep_sst_mysqldump
wbmptopbm  whoami          wmf2svg          wsrep_sst_rsync
wc          whoopsie        wmf2x            wsrep_sst_rsync_wan
wdctl      whoopsie-preferences word-list-compress
wget       winicontoppm    wpa_passphrase
whatis     wkhtmltoimage   w.procps
```

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

→ sudo head -n4 passwd

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

→ sudo tail -n7 passwd

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

→ sudo man passwd ; cat passwd

11. Display the man page of the passwd file.

→ man passwd

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

```
abdoalmany@abdoalmany-Lenovo-Ideapad-510-15IKB:~$ man -k passwd | grep "passwd"
chgpasswd (8)          - update group passwords in batch mode
chpasswd (8)           - update passwords in batch mode
fgetpwent_r (3)        - get passwd file entry reentrantly
getpwent_r (3)         - get passwd file entry reentrantly
gpasswd (1)            - administer /etc/group and /etc/gshadow
grub-mkpasswd-pbkdf2 (1) - generate hashed password for GRUB
openssl-passwd (1ssl)  - compute password hashes
pam_localuser (8)      - require users to be listed in /etc/passwd
passwd (1)             - change user password
passwd (1ssl)          - compute password hashes
passwd (5)             - the password file
passwd2des (3)         - RFS password encryption
unshadow (8)           - combines passwd and shadow files
update-passwd (8)      - safely update /etc/passwd, /etc/shadow and /etc/group
```