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

-Cat print all the text of the file more print as your screen

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

- -rmdir deletes the empty dirs
- -rm deletes the files or the dirs with -r if dirs containing a files or sub dirs

4. Create the following hierarchy under your home directory:

```
~/Desktop
                              mkdir red-lab1
sok
                       13:42
                       13:42
                               cd red-lab1/
sok
       ~/Desktop
 sok
       ~/Desktop/red-lab1
                                13:44
                                        mkdir dir1
       ~/Desktop/red-lab1
                                        mkdir dir1/dir11
sok
                                13:44
      ~/Desktop/red-lab1
                                        mkdir dir1/dir12
sok
                                13:45
      .../Desktop/red-lab1/dir1
                                    13:45
                                             touch dir11/file1
sok
      ~/Desktop/red-lab1
                                       mkdir docs
sok
                               13:46
sok
      ~/Desktop/red-lab1
                               13:46
                                       touch docs/mycv
      ~/Desktop/red-lab1
                               13:47
                                       ls docs/
sok
        mycv
```

a

b rmdir -p deletes the parent dirs if its empty after deleting the subdirs

```
sok ~/Desktop/red-lab1 13:53 rmdir -p dir1/dir12/
sok ~/Desktop/red-lab1 13:54 ls
./ ../ docs/
```

 \mathbf{C}

```
sok ~ 13:55 cd Desktop/red-lab1/docs/
sok ~ 13:57 cd /home/sok/Desktop/red-lab1/docs/
```

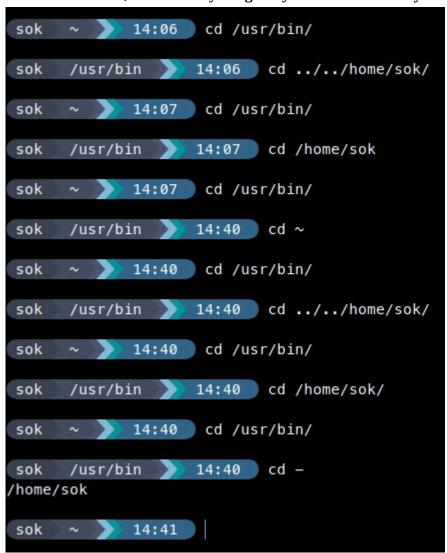
5-Copy the /etc/passwd file to your home directory making its name is mypasswd.

```
.../Desktop/red-lab1/docs 13:58 cp /etc/passwd ~/mypasswd
sok
      .../Desktop/red-lab1/docs
                                    13:59
sok
                                            cd ∼
sok
      ~ 13:59 ls
                   .gitconfig
                                         .profile
                   git_push.sh*
                                        Public/
./
bash_history
                                         .quokka/
                   .gnupg/
.bash_logout
                   .ipython/
                                         Resume16-9-2023.pdf
.bashrc@
                   itipro/
                                         snap/
.bashrc.bak
                   ITI-resources/
                                         .ssh/
                                         .sudo_as_admin_successful
.bridge/
                   JS_Day05/
.cache/
                   .lesshst
                                         . SWO
                   .local/
code/
                                         . SWD
config/
                   .minikube/
                                         Templates/
Desktop/
                   .mozilla/
                                         test.cpp
Documents/
                   Music/
                                         tetx
                   mybash/
                                         .thunderbird/
.dotnet/
Downloads/
                   mypasswd
                                        Videos/
file.txt
                   new.txt
                                         .viminfo
.file.txt.swp
                   .nvidia-settings-rc
                                        .vscode/
first*
                                         .wallaby/
                   output/
Fundmentalsofcpp/
                   .pam_environment
                                         .wget-hsts
                   Pictures/
get-pip.py
                                        work/
get-pip.py.1
                   .pki/
                                         .zoom/
get-pip.py.2
                   play_ground/
```

6-Rename this new file to be oldpasswd.

```
sok ~ 13:59 mv mypasswd oldpasswd
```

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



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

```
sok ~ 14:54 head -4 /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
sok ~ 14:55
```

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

```
sok ~ 14:55 tail -7 /etc/passwd
pulse:x:125:132:PulseAudio daemon,,,:/run/pulse:/usr/sbin/nologin
gnome-initial-setup:x:126:65534::/run/gnome-initial-setup/:/bin/false
hplip:x:127:7:HPLIP system user,,,:/run/hplip:/bin/false
gdm:x:128:134:Gnome Display Manager:/var/lib/gdm3:/bin/false
sok:x:1000:1000:sok,,,:/home/sok:/bin/bash
nvidia-persistenced:x:129:137:NVIDIA Persistence Daemon,,,:/nonexistent:/usr/sbin/nologin
debian-tor:x:130:138::/var/lib/tor:/bin/false
```

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

```
sok ~ 14:57 man passwd ; cat passwd
[bat error]: 'passwd': No such file or directory (os error 2)

sok ~ 14:58 man passwd ; cat /etc/pas
passwd passwd-

sok ~ 14:58 man passwd ; cat /etc/passwd
```

12-Display the man page of the passwd file.

```
sok ~ 14:59 man passwd
```

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