

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:

```
sok ~/Desktop 13:42 mkdir red-lab1
```

```
sok ~/Desktop 13:42 cd red-lab1/
```

```
sok ~/Desktop/red-lab1 13:44 mkdir dir1
```

```
sok ~/Desktop/red-lab1 13:44 mkdir dir1/dir11
```

```
sok ~/Desktop/red-lab1 13:45 mkdir dir1/dir12
```

```
sok .../Desktop/red-lab1/dir1 13:45 touch dir11/file1
```

```
mkdir1 mkdir1g
```

```
sok ~/Desktop/red-lab1 13:46 mkdir docs
```

```
sok ~/Desktop/red-lab1 13:46 touch docs/mycv
```

```
sok ~/Desktop/red-lab1 13:47 ls docs/
```

```
./ ../ mycv
```

a

```
sok .../Desktop/red-lab1/dir1 13:52 rm -r dir11/
trash: Volume of file: /
trash: Trash-dir: /home/sok/.local/share/Trash from volume: /
trash: 'dir11/' trashed in ~/.local/share/Trash
```

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/
```

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.

```
sok .../Desktop/red-lab1/docs 13:58 cp /etc/passwd ~/mypasswd
```

```
sok .../Desktop/red-lab1/docs 13:59 cd ~
```

```
sok ~ 13:59 ls
./                .gitconfig       .profile
../              git_push.sh*     Public/
.bash_history     .gnupg/          .quokka/
.bash_logout     .ipython/        Resume16-9-2023.pdf
.bashrc@         itipro/          snap/
.bashrc.bak      ITI-resources/   .ssh/
.bridge/         JS_Day05/        .sudo_as_admin_successful
.cache/          .lessht          .swp
code/            .local/          .swp
.config/         .minikube/       Templates/
Desktop/         .mozilla/        test.cpp
Documents/       Music/           tetx
.dotnet/         mybash/          .thunderbird/
Downloads/       mypasswd         Videos/
file.txt         new.txt          .viminfo
.file.txt.swp    .nvidia-settings-rc .vscode/
first*          output/         .wallaby/
Fundmentalsofcpp/ .pam_environment .wget-hsts
get-pip.py       Pictures/        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

```
sok ~ 14:06 cd /usr/bin/
sok /usr/bin 14:06 cd ../../home/sok/
sok ~ 14:07 cd /usr/bin/
sok /usr/bin 14:07 cd /home/sok
sok ~ 14:07 cd /usr/bin/
sok /usr/bin 14:40 cd ~
sok ~ 14:40 cd /usr/bin/
sok /usr/bin 14:40 cd ../../home/sok/
sok ~ 14:40 cd /usr/bin/
sok /usr/bin 14:40 cd /home/sok/
sok ~ 14:40 cd /usr/bin/
sok /usr/bin 14:40 cd -
/home/sok
sok ~ 14:41 |
```

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.

