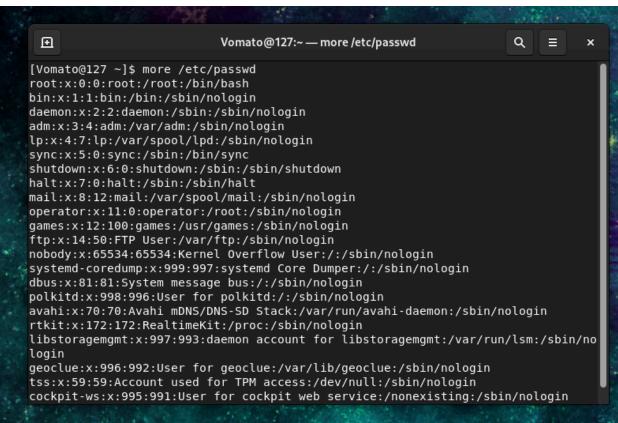
1- The difference between cat and more command:
more prints out text enabling paging through each page at a time
cat prints out the text of files or multiple files its man page says it concatenates files to standard
output which in case of not having anything in stdout it contacts and prints it no nothing

```
[Vomato@127 ~]$ cat /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
lp:x:4:7:lp:/var/spool/lpd:/sbin/nologin
sync:x:5:0:sync:/sbin:/bin/sync
shutdown:x:6:0:shutdown:/sbin:/sbin/shutdown
halt:x:7:0:halt:/sbin:/sbin/halt
mail:x:8:12:mail:/var/spool/mail:/sbin/nologin
operator:x:11:0:operator:/root:/sbin/nologin
games:x:12:100:games:/usr/games:/sbin/nologin
ftp:x:14:50:FTP User:/var/ftp:/sbin/nologin
nobody:x:65534:65534:Kernel Overflow User:/:/sbin/nologin
systemd-coredump:x:999:997:systemd Core Dumper:/:/sbin/nologin
dbus:x:81:81:System message bus:/:/sbin/nologin
polkitd:x:998:996:User for polkitd:/:/sbin/nologin
avahi:x:70:70:Avahi mDNS/DNS-SD Stack:/var/run/avahi-daemon:/sbin/nologin
rtkit:x:172:172:RealtimeKit:/proc:/sbin/nologin
libstoragemgmt:x:997:993:daemon account for libstoragemgmt:/var/run/lsm:/sbin/no
```



2- what is the difference between rmdir and rm rm is the command for removing files or directories either empty or full directories as well as specifying empty dirs by -d

rmdir is specifically sued for removing empty dirs

```
[Vomato@127 ~]$ ls
bla Desktop Documents Downloads Music Pictures Public Templates Videos
[Vomato@127 ~]$ mkdir test_file
[Vomato@127 ~]$ ls
bla Documents Music Public test_file
Desktop Downloads Pictures Templates Videos
[Vomato@127 ~]$ rmdir test_file
[Vomato@127 ~]$ ls
bla Desktop Documents Downloads Music Pictures Public Templates Videos
[Vomato@127 ~]$
```

Rmdir cant remove a folder with files inside

```
[Vomato@127 ~]$ ls

bla Desktop Documents Downloads Music Pictures Public Templates Videos

[Vomato@127 ~]$ mkdir test_file

[Vomato@127 ~]$ touch ./test_file/hello.txt

[Vomato@127 ~]$ rmdir test_file

rmdir: failed to remove 'test_file': Directory not empty

[Vomato@127 ~]$
```

Rmdir -p removes a folder with all its parents

```
(Vomato@127 -|s to dir.)

[Vomato@127 -|s to dir.]

[Vomato@127 -|s rmdir -p dir./dir.]

[Vomato@127 -|s to dir.]

[Vomat
```

4-make the current hierarchy in your home

```
[Vomato@127 ~]$ man mkdir
[Vomato@127 ~]$ mkdir -p dirl/dirll dirl/dirl2
[Vomato@127 ~]$ touch dirl/dirll/file1
[Vomato@127 ~]$ touch docs/mycv
[Vomato@127 ~]$ touch docs/mycv
[Vomato@127 ~]$ ls
bla dirl Documents Music Public Videos
Desktop docs Downloads Pictures Templates
[Vomato@127 dirl]$ ls
dirl1
[Vomato@127 dirl]$ cd ...
[Vomato@127 docs]$ lss
bash: lss: command not found...
Similar command is: 'ls'
[Vomato@127 docs]$ ls
mycv
[Vomato@127 docs]$]
```

4-a remove the dir11 using one command and what were your hurdles and how did you overcome it?

```
[Vomato@127 ~]$ rmdir dir1/dir11
rmdir: failed to remove 'dir1/dir11': Directory not empty
[Vomato@127 ~]$ rm -r dir1/dir11
```

Removing it right away is by typing its relative path to me in my home using rmdir wasnt valid since dir11 wasnt empty using rm -r was the correct option

4-b removing dir12 using the rm -p command

Well -p isnt an option for rm and if we want to remove an empty directory we can specify that using -d

```
[Vomato@127 ~]$ rm -d dir1/dir12
[Vomato@127 ~]$ cd dir1
[Vomato@127 dir1]$ ls
[Vomato@127 dir1]$
```

4-c write the path to docs relative and absolute and pwd

```
[Vomato@127 dirl]$ cs
[Vomato@127 dirl]$ pwd
/home/Vomato/dirl
[Vomato@127 dirl]$
```

the relative path would be ./docs/mycv the absolute path would be ~/docs/mycv since i am standing in my home directory they look pretty much the same

5- copying /etc/passwd to mypasswd

```
/nome/vomato/diri
[Vomato@127 diri]$ cp /etc/passwd ~/mypasswd
[Vomato@127 diri]$ ls
[Vomato@127 diri]$ cd ~
[Vomato@127 ~]$ ls
bla diri Documents Music Pictures Templates
Desktop docs Downloads mypasswd Public Videos
```

6- renaming mypasswd to oldpasswd

```
[Vomato@127 ~]$ mv ./mypasswd oldpasswd
[Vomato@127 ~]$ ls
bla dirl Documents Music Pictures Templates
Desktop docs Downloads oldpasswd Public Videos
[Vomato@127 ~]$
```

7- 4 ways to go to home from /usr/bin Manually checking where it is

```
[Vomato@127 bin]$ cd ..
[Vomato@127 usr]$ ls
bin doc games include lib lib64 libexec local sbin share src tmp
[Vomato@127 usr]$
[Vomato@127 usr]$ cd ..
[Vomato@127 /]$ s
bash: s: command not found...
[Vomato@127 /]$ ls
afs boot etc home lib64 mnt proc run srv tmp var
bin dev ftp lib media opt root sbin sys usr
[Vomato@127 /]$ cd home
[Vomato@127 home]$ ls
ftpuser iredadmin iredapd vmail Vomato
[Vomato@127 home]$ cd Vomato
[Vomato@127 ~]$ ls
bla dirl Documents Music Pictures Templates
Desktop docs Downloads oldpasswd Public Videos
[Vomato@127 ~]$
```

After knowing where it is you can go simply by typing this

Simply using the telda to go to the home dir

```
[Vomato@127 ~]$ cd /usr/bin
[Vomato@127 bin]$ cd ~

[Vomato@127 ~]$ pwd
/home/Vomato
[Vomato@127 ~]$
```

Finally using - to get back to home if i have been there before navigating to usr/bin in which i indeed have been

```
[Vomato@127 ~]$ cd /usr/bin
[Vomato@127 bin]$ cd ~

[Vomato@127 ~]$ pwd
/home/Vomato
[Vomato@127 ~]$ cd -
/usr/bin
[Vomato@127 bin]$ cd -
/home/Vomato
```

8- list linux commands that start with w

```
[Vomato@127 ~]$ cd /usr/bin
[Vomato@127 bin]$ ls w*
                                            wireplumber
       watchgnupg wget
                                                                   write
                   whatis
                                  whiptail
                                            wnck-urgency-monitor
                                                                  wvgain
wall
                   whatis.man-db
                                            wpctl
                                                                  wvtag
watch wdctl
                   whereis
                                                                   wvunpack
[Vomato@127 bin]$
```

9- list 4 lines of /etc/passwd

```
[Vomato@127 bin]$ 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/nologin
adm:x:3:4:adm:/var/adm:/sbin/nologin
[Vomato@127 bin]$
```

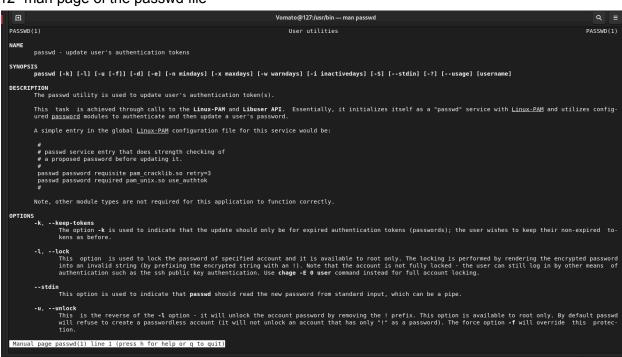
10- list last 7 lines of /etc/passwd

```
[Vomato@127 bin]$ tail -7 /etc/passwd
amavis:x:973:972:Amavis email content filter:/var/spool/amavisd:/usr/sbin/nol
n
postgres:x:26:26:PostgreSQL Server:/var/lib/pgsql:/bin/bash
saslauth:x:972:76:Saslauthd user:/run/saslauthd:/sbin/nologin
mlmmj:x:971:971:mlmmj user:/var/spool/mlmmj:/sbin/nologin
vmail:x:2000:2000::/home/vmail:/sbin/nologin
iredadmin:x:2001:2001::/home/iredadmin:/sbin/nologin
iredapd:x:2002:2002::/home/iredapd:/sbin/nologin
[Vomato@127 bin]$
```

11- man of passwd followed by a cat of passwd

```
| Vomato@127 bin|$ man passwd; cat /etc/passwd rootx:0:0:root:/bin/bash bin:xi:1:bin/pin/sbin/bash bin:xi:1:bin/pin/sbin/nologin daemon:x:2:2:daemon:/sbin/rologin daemon:x:2:2:daemon:/sbin/rologin | daemon:x:2:2:daemon:/sbin/rologin | px:4:7:lp:/var/spool/lpd:/sbin/nologin | px:4:7:lp:/var/spool/lpd:/sbin/nologin | px:4:7:lp:/var/spool/lpd:/sbin/nologin | px:4:7:lp:/var/spool/lpd:/sbin/nologin | px:4:7:lp:/var/spool/mail:/sbin/nologin | px:4:7:lp:/var/spool/mail:/sbin/nologin | px:4:7:lp:/var/spool/mail:/sbin/nologin | pames:x:12:100:games:/vs:fyours:/sbin/nologin | px:4:2:100:games:/vs:fyours:/sbin/nologin | px:4:15:00:perator:xi:prince:/fyours:/sbin/nologin | px:4:15:17:17:lp:/px:17:17:lp:/px:17:17:lp:/px:17:17:lp:/px:17:17:lp:/px:17:17:lp:/px:17:17:lp:/px:17:17:lp:/px:17:17:lp:/px:17:17:lp:/px:17:17:lp:/px:17:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:lp:/px:17:l
```

12- man page of the passwd file



13- search for all the mans that contains the keyword passwd Either by using apropos to read them or man -K to search for them and read them