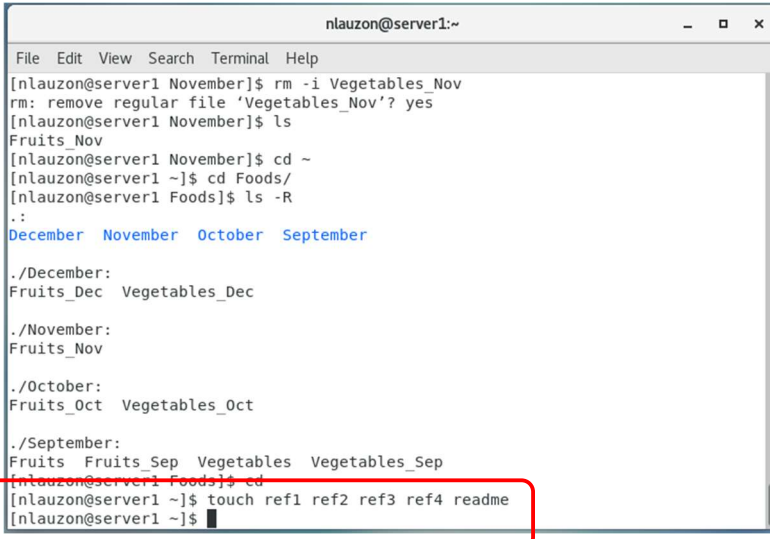


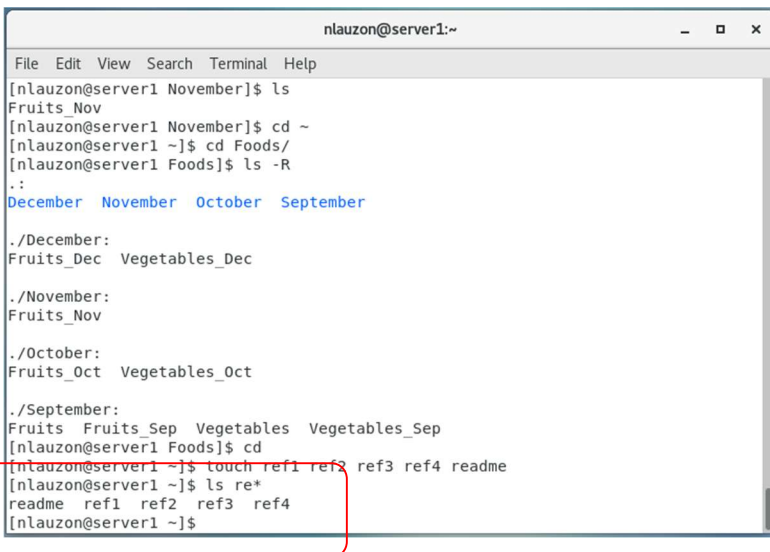
Managing Files and Directories 2

1. On your home directory, create five files: ref1, ref2, ref3, ref4 and readme using one single command.



```
nlaizon@server1:~  
File Edit View Search Terminal Help  
[nlaizon@server1 November]$ rm -i Vegetables_Nov  
rm: remove regular file 'Vegetables_Nov'? yes  
[nlaizon@server1 November]$ ls  
Fruits_Nov  
[nlaizon@server1 November]$ cd ~  
[nlaizon@server1 ~]$ cd Foods/  
[nlaizon@server1 Foods]$ ls -R  
.:  
December November October September  
./December:  
Fruits_Dec Vegetables_Dec  
./November:  
Fruits_Nov  
./October:  
Fruits_Oct Vegetables_Oct  
./September:  
Fruits Fruits_Sep Vegetables Vegetables_Sep  
[nlaizon@server1 Foods]$ cd  
[nlaizon@server1 ~]$ touch ref1 ref2 ref3 ref4 readme  
[nlaizon@server1 ~]$
```

2. Display only the new created files using one single command.



```
nlaizon@server1:~  
File Edit View Search Terminal Help  
[nlaizon@server1 November]$ ls  
Fruits_Nov  
[nlaizon@server1 November]$ cd ~  
[nlaizon@server1 ~]$ cd Foods/  
[nlaizon@server1 Foods]$ ls -R  
.:  
December November October September  
./December:  
Fruits_Dec Vegetables_Dec  
./November:  
Fruits_Nov  
./October:  
Fruits_Oct Vegetables_Oct  
./September:  
Fruits Fruits_Sep Vegetables Vegetables_Sep  
[nlaizon@server1 Foods]$ cd  
[nlaizon@server1 ~]$ touch ref1 ref2 ref3 ref4 readme  
[nlaizon@server1 ~]$ ls re*  
readme ref1 ref2 ref3 ref4  
[nlaizon@server1 ~]$
```

3. On your home directory Create three new directories named Tmp1, Tmp2 and Tmp3

```
nlaizon@server1:~  
File Edit View Search Terminal Help  
December November October September  
./December:  
Fruits_Dec Vegetables_Dec  
./November:  
Fruits_Nov  
./October:  
Fruits_Oct Vegetables_Oct  
./September:  
Fruits Fruits_Sep Vegetables Vegetables_Sep  
[nlaizon@server1 Foods]$ cd  
[nlaizon@server1 ~]$ touch ref1 ref2 ref3 ref4 readme  
[nlaizon@server1 ~]$ ls re*  
readme ref1 ref2 ref3 ref4  
[nlaizon@server1 ~]$ mkdir Tmp1 Tmp2 Tmp3  
[nlaizon@server1 ~]$ ls  
Desktop Documents Music readme ref4 Tmp2 Videos  
doc1 Downloads Pictures ref1 shopping_list Tmp3  
doc2 file1 pro ref2 Templates Trip3  
doc3 Foods Public ref3 Tmp1 Trips  
[nlaizon@server1 ~]$
```

4. Copy the files ref1, ref2 and ref3 to Tmp1 directory, using wildcards in one single command.

```
nlaizon@server1:~  
File Edit View Search Terminal Help  
Fruits_Dec Vegetables_Dec  
./November:  
Fruits_Nov  
./October:  
Fruits_Oct Vegetables_Oct  
./September:  
Fruits Fruits_Sep Vegetables Vegetables_Sep  
[nlaizon@server1 Foods]$ cd  
[nlaizon@server1 ~]$ touch ref1 ref2 ref3 ref4 readme  
[nlaizon@server1 ~]$ ls re*  
readme ref1 ref2 ref3 ref4  
[nlaizon@server1 ~]$ mkdir Tmp1 Tmp2 Tmp3  
[nlaizon@server1 ~]$ ls  
Desktop Documents Music readme ref4 Tmp2 Videos  
doc1 Downloads Pictures ref1 shopping_list Tmp3  
doc2 file1 pro ref2 Templates Trip3  
doc3 Foods Public ref3 Tmp1 Trips  
[nlaizon@server1 ~]$ cp ref[1-3] Tmp1  
[nlaizon@server1 ~]$ ls Tmp1/  
ref1 ref2 ref3  
[nlaizon@server1 ~]$
```

5. Copy all the files starting by ref except ref3 and ref4 to Tmp2 directory, using wildcards in one single command.

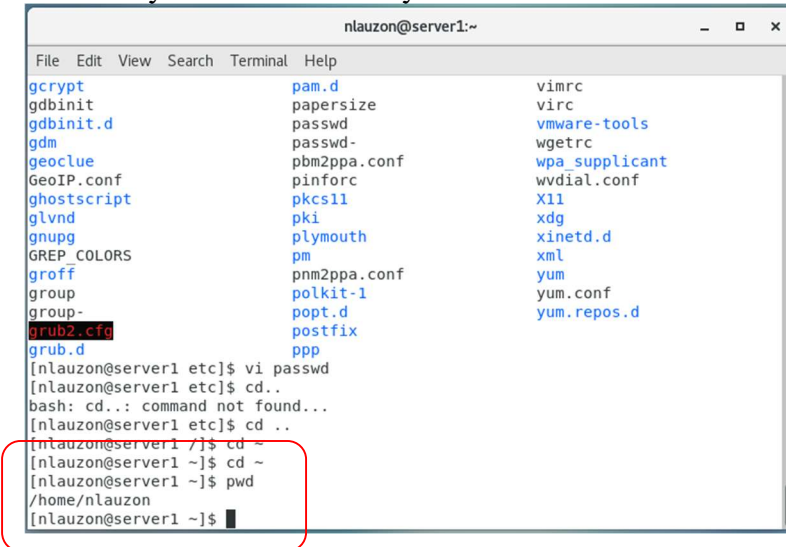
```
nlaizon@server1:~  
File Edit View Search Terminal Help  
Fruits_Nov  
./October:  
Fruits_Oct Vegetables_Oct  
  
./September:  
Fruits Fruits_Sep Vegetables Vegetables_Sep  
[nlaizon@server1 ~]$ cd  
[nlaizon@server1 ~]$ touch ref1 ref2 ref3 ref4 readme  
[nlaizon@server1 ~]$ ls re*  
readme ref1 ref2 ref3 ref4  
[nlaizon@server1 ~]$ mkdir Tmp1 Tmp2 Tmp3  
[nlaizon@server1 ~]$ ls  
Desktop Documents Music readme ref4 Tmp2 Videos  
doc1 Downloads Pictures ref1 shopping_list Tmp3  
doc2 file1 pro ref2 Templates Trip3  
doc3 Foods Public ref3 Tmp1 Trips  
[nlaizon@server1 ~]$ cp ref[1-3] Tmp1  
[nlaizon@server1 ~]$ ls Tmp1/  
ref1 ref2 ref3  
[nlaizon@server1 ~]$ cp ref[!3-4] Tmp2  
[nlaizon@server1 ~]$ ls Tmp2/  
ref1 ref2  
[nlaizon@server1 ~]$
```

6. Delete the files ref1, ref2, ref3 ,ref4 and readme, using wildcards in one single command

```
nlaizon@server1:~  
File Edit View Search Terminal Help  
doc2 file1 pro ref2 Templates Trip3  
doc3 Foods Public ref3 Tmp1 Trips  
[nlaizon@server1 ~]$ cp ref[1-3] Tmp1  
[nlaizon@server1 ~]$ ls Tmp1/  
ref1 ref2 ref3  
[nlaizon@server1 ~]$ cp ref[!3-4] Tmp2  
[nlaizon@server1 ~]$ ls Tmp2/  
ref1 ref2  
[nlaizon@server1 ~]$ ls  
Desktop Documents Music readme ref4 Tmp2 Videos  
doc1 Downloads Pictures ref1 shopping_list Tmp3  
doc2 file1 pro ref2 Templates Trip3  
doc3 Foods Public ref3 Tmp1 Trips  
[nlaizon@server1 ~]$ rm -i re*  
rm: remove regular empty file 'readme'? yes  
rm: remove regular empty file 'ref1'? yes  
rm: remove regular empty file 'ref2'? yes  
rm: remove regular empty file 'ref3'? yes  
rm: remove regular empty file 'ref4'? yes  
[nlaizon@server1 ~]$ ls  
Desktop doc3 file1 Pictures shopping_list Tmp2 Trips  
doc1 Documents Foods pro Templates Tmp3 Videos  
doc2 Downloads Music Public Tmp1 Trip3  
[nlaizon@server1 ~]$
```

7. You are at your home directory
You enter the command: `cd ~`
What is your current directory now?

I am in my username directory.

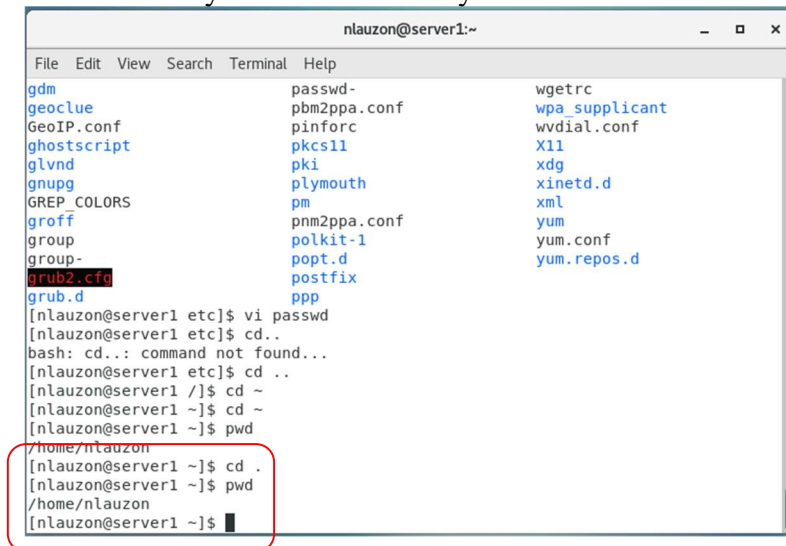


A terminal window titled 'nlauzon@server1:~' showing a file manager interface with three columns of files. The first column lists files like gcrypt, gdbinit, and grub2.cfg. The second column lists configuration files like pam.d, papersize, and polkit-1. The third column lists system files like vimrc, wgetrc, and yum.repos.d. The terminal output shows the user navigating from /etc to ~ using the 'cd' command. The final prompt is '[nlauzon@server1 ~]\$'.

```
nlauzon@server1:~  
File Edit View Search Terminal Help  
gcrypt          pam.d           vimrc  
gdbinit         papersize       virg  
gdbinit.d       passwd         vmware-tools  
gdm             passwd-        wgetrc  
geoclue         pbm2ppa.conf   wpa_supplicant  
GeoIP.conf      pinforc        wvdial.conf  
ghostscript     pkcs11         X11  
glvnd           pki            xdg  
gnupg           plymouth       xinetd.d  
GREP_COLORS     pm             xml  
groff           pnm2ppa.conf   yum  
group           polkit-1       yum.conf  
group-          popt.d         yum.repos.d  
grub2.cfg       postfix  
grub.d          ppp  
[nlauzon@server1 etc]$ vi passwd  
[nlauzon@server1 etc]$ cd..  
bash: cd.: command not found...  
[nlauzon@server1 etc]$ cd ..  
[nlauzon@server1 /]$ cd ~  
[nlauzon@server1 ~]$ cd ~  
[nlauzon@server1 ~]$ pwd  
/home/nlauzon  
[nlauzon@server1 ~]$
```

8. You are at your home directory
You enter the command: `cd .`
What is your current directory now?

I am still in my username directory.

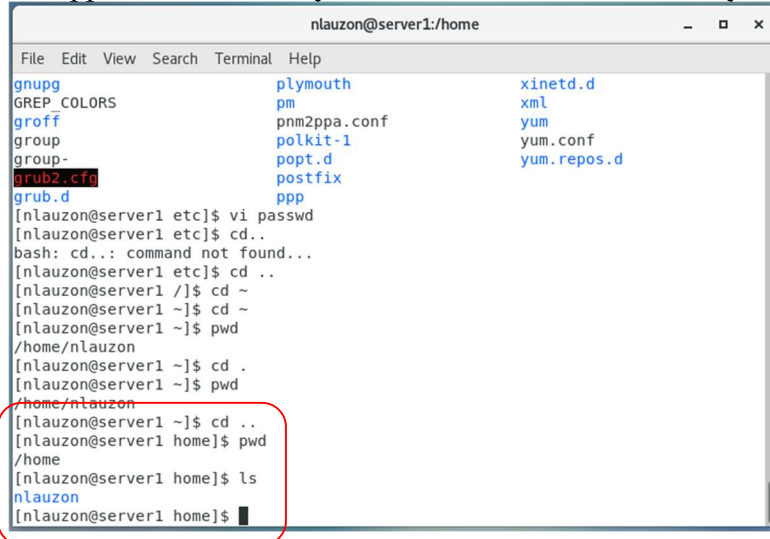


A terminal window titled 'nlauzon@server1:~' showing a file manager interface with three columns of files. The first column lists files like gdm, geoclue, and grub2.cfg. The second column lists configuration files like passwd-, pbm2ppa.conf, and polkit-1. The third column lists system files like wgetrc, wpa_supplicant, and yum.repos.d. The terminal output shows the user navigating from ~ to . using the 'cd' command. The final prompt is '[nlauzon@server1 ~]\$'.

```
nlauzon@server1:~  
File Edit View Search Terminal Help  
gdm             passwd-        wgetrc  
geoclue         pbm2ppa.conf   wpa_supplicant  
GeoIP.conf      pinforc        wvdial.conf  
ghostscript     pkcs11         X11  
glvnd           pki            xdg  
gnupg           plymouth       xinetd.d  
GREP_COLORS     pm             xml  
groff           pnm2ppa.conf   yum  
group           polkit-1       yum.conf  
group-          popt.d         yum.repos.d  
grub2.cfg       postfix  
grub.d          ppp  
[nlauzon@server1 etc]$ vi passwd  
[nlauzon@server1 etc]$ cd..  
bash: cd.: command not found...  
[nlauzon@server1 etc]$ cd ..  
[nlauzon@server1 /]$ cd ~  
[nlauzon@server1 ~]$ cd ~  
[nlauzon@server1 ~]$ pwd  
/home/nlauzon  
[nlauzon@server1 ~]$ cd .  
[nlauzon@server1 ~]$ pwd  
/home/nlauzon  
[nlauzon@server1 ~]$
```

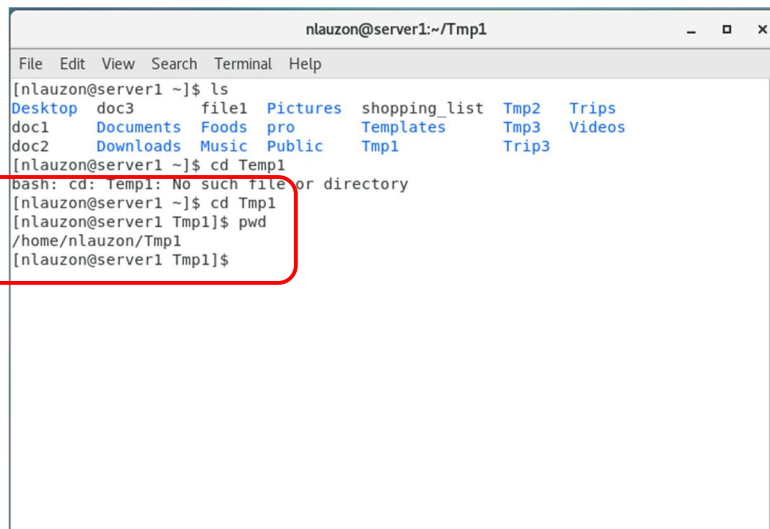
9. You are at your home directory
You enter the command: `cd ..`
What is your current directory now?

I dropped down from my username to the home directory.



```
nlaizon@server1:/home
File Edit View Search Terminal Help
gnupg      plymouth   xinetd.d
GREP_COLORS pm          xml
groff      pnm2ppa.conf yum
group      polkit-1   yum.conf
group-     popt.d    yum.repos.d
grub2.cfg  postfix
grub.d     ppp
[nlaizon@server1 etc]$ vi passwd
[nlaizon@server1 etc]$ cd..
bash: cd..: command not found...
[nlaizon@server1 etc]$ cd ..
[nlaizon@server1 /]$ cd ~
[nlaizon@server1 ~]$ cd ~
[nlaizon@server1 ~]$ pwd
/home/nlaizon
[nlaizon@server1 ~]$ cd .
[nlaizon@server1 ~]$ pwd
/home/nlaizon
[nlaizon@server1 ~]$ cd ..
[nlaizon@server1 home]$ pwd
/home
[nlaizon@server1 home]$ ls
nlaizon
[nlaizon@server1 home]$
```

10. Change directory to Tmp1
What is your current directory now?



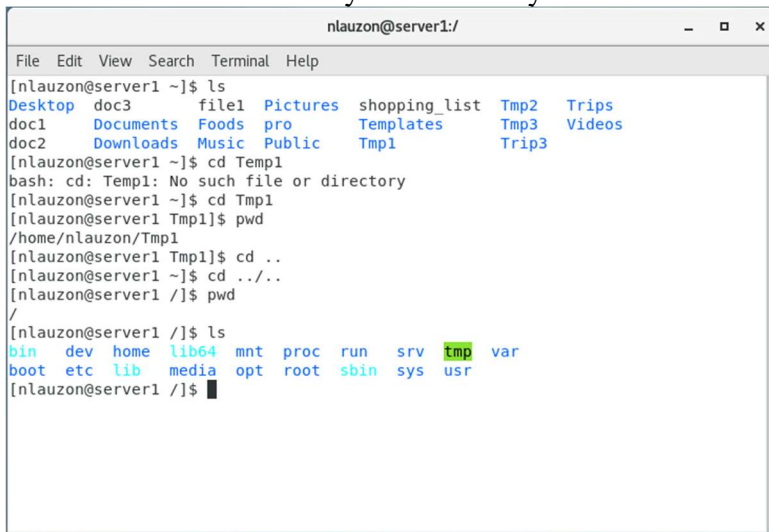
```
nlaizon@server1:~/Tmp1
File Edit View Search Terminal Help
[nlaizon@server1 ~]$ ls
Desktop doc3 file1 Pictures shopping_list Tmp2 Trips
doc1 Documents Foods pro Templates Tmp3 Videos
doc2 Downloads Music Public Tmp1 Trip3
[nlaizon@server1 ~]$ cd Tmp1
bash: cd: Tmp1: No such file or directory
[nlaizon@server1 ~]$ cd Tmp1
[nlaizon@server1 Tmp1]$ pwd
/home/nlaizon/Tmp1
[nlaizon@server1 Tmp1]$
```

11. Go back to your home directory

You enter the command: `cd ../../`

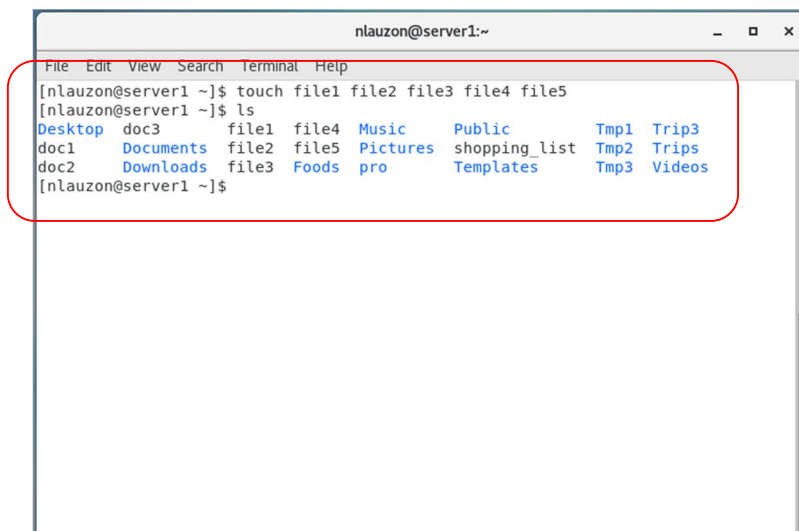
What is your current directory now?

It is the root of the entire system directory.



```
nlauzon@server1:/  
File Edit View Search Terminal Help  
[nlauzon@server1 ~]$ ls  
Desktop doc3 file1 Pictures shopping_list Tmp2 Trips  
doc1 Documents Foods pro Templates Tmp3 Videos  
doc2 Downloads Music Public Tmp1 Trip3  
[nlauzon@server1 ~]$ cd Tmp1  
bash: cd: Tmp1: No such file or directory  
[nlauzon@server1 ~]$ cd Tmp1  
[nlauzon@server1 Tmp1]$ pwd  
/home/nlauzon/Tmp1  
[nlauzon@server1 Tmp1]$ cd ..  
[nlauzon@server1 ~]$ cd ../../  
[nlauzon@server1 /]$ pwd  
/  
[nlauzon@server1 /]$ ls  
bin dev home lib64 mnt proc run srv tmp var  
boot etc lib media opt root sbin sys usr  
[nlauzon@server1 /]$
```

12. Go back to your home directory and create 5 files: file1, file2, file3, file4 and file5 and make sure that the command worked.



```
nlauzon@server1:~  
File Edit View Search Terminal Help  
[nlauzon@server1 ~]$ touch file1 file2 file3 file4 file5  
[nlauzon@server1 ~]$ ls  
Desktop doc3 file1 file4 Music Public Tmp1 Trip3  
doc1 Documents file2 file5 Pictures shopping_list Tmp2 Trips  
doc2 Downloads file3 Foods pro Templates Tmp3 Videos  
[nlauzon@server1 ~]$
```

13. On your home directory, make 2 directories: dir1 and dir2 and make sure that the command worked.

```
nlaizon@server1:~  
File Edit View Search Terminal Help  
[nlaizon@server1 ~]$ touch file1 file2 file3 file4 file5  
[nlaizon@server1 ~]$ ls  
Desktop doc3 file1 file4 Music Public Tmp1 Trip3  
doc1 Documents file2 file5 Pictures shopping_list Tmp2 Trips  
doc2 Downloads file3 Foods pro Templates Tmp3 Videos  
[nlaizon@server1 ~]$ mkdir dir1 dir2  
[nlaizon@server1 ~]$ ls  
Desktop doc1 Documents file2 file5 Pictures shopping_list Tmp2 Trips  
dir1 doc2 Downloads file3 Foods pro Templates Tmp3 Videos  
dir2 doc3 file1 file4 Music Public Tmp1 Trip3  
[nlaizon@server1 ~]$
```

14. In dir2, make a directory called dir2a

```
nlaizon@server1:~/dir2  
File Edit View Search Terminal Help  
[nlaizon@server1 ~]$ touch file1 file2 file3 file4 file5  
[nlaizon@server1 ~]$ ls  
Desktop doc3 file1 file4 Music Public Tmp1 Trip3  
doc1 Documents file2 file5 Pictures shopping_list Tmp2 Trips  
doc2 Downloads file3 Foods pro Templates Tmp3 Videos  
[nlaizon@server1 ~]$ mkdir dir1 dir2  
[nlaizon@server1 ~]$ ls  
Desktop doc1 Documents file2 file5 Pictures shopping_list Tmp2 Trips  
dir1 doc2 Downloads file3 Foods pro Templates Tmp3 Videos  
dir2 doc3 file1 file4 Music Public Tmp1 Trip3  
[nlaizon@server1 ~]$ cd dir2  
[nlaizon@server1 dir2]$ mkdir dir2a  
[nlaizon@server1 dir2]$ ls  
dir2a  
[nlaizon@server1 dir2]$
```

15. Use a single command and wildcards characters to copy all files in your home directory that begin with "file" to dir2 and make sure that the command worked.

```
nlaizon@server1:~  
File Edit View Search Terminal Help  
[nlaizon@server1 ~]$ touch file1 file2 file3 file4 file5  
[nlaizon@server1 ~]$ ls  
Desktop doc3 file1 file4 Music Public Tmp1 Trip3  
doc1 Documents file2 file5 Pictures shopping_list Tmp2 Trips  
doc2 Downloads file3 Foods pro Templates Tmp3 Videos  
[nlaizon@server1 ~]$ mkdir dir1 dir2  
[nlaizon@server1 ~]$ ls  
Desktop doc1 Documents file2 file5 Pictures shopping_list Tmp2 Trips  
dir1 doc2 Downloads file3 Foods pro Templates Tmp3 Videos  
dir2 doc3 file1 file4 Music Public Tmp1 Trip3  
[nlaizon@server1 ~]$ cd dir2  
[nlaizon@server1 dir2]$ mkdir dir2a  
[nlaizon@server1 dir2]$ ls  
dir2a  
[nlaizon@server1 dir2]$ cd ~  
[nlaizon@server1 ~]$ cp file* dir2/  
[nlaizon@server1 ~]$ ls dir2/  
dir2a file1 file2 file3 file4 file5  
[nlaizon@server1 ~]$
```

16. Use a single command and wildcards characters to move file1,file3,file4 and file5 in your home directory to the subdirectory dir2a

```
nlaizon@server1:~  
File Edit View Search Terminal Help  
[nlaizon@server1 ~]$ touch file1 file2 file3 file4 file5  
[nlaizon@server1 ~]$ ls  
Desktop doc3 file1 file4 Music Public Tmp1 Trip3  
doc1 Documents file2 file5 Pictures shopping_list Tmp2 Trips  
doc2 Downloads file3 Foods pro Templates Tmp3 Videos  
[nlaizon@server1 ~]$ mkdir dir1 dir2  
[nlaizon@server1 ~]$ ls  
Desktop doc1 Documents file2 file5 Pictures shopping_list Tmp2 Trips  
dir1 doc2 Downloads file3 Foods pro Templates Tmp3 Videos  
dir2 doc3 file1 file4 Music Public Tmp1 Trip3  
[nlaizon@server1 ~]$ cd dir2  
[nlaizon@server1 dir2]$ mkdir dir2a  
[nlaizon@server1 dir2]$ ls  
dir2a  
[nlaizon@server1 dir2]$ cd ~  
[nlaizon@server1 ~]$ cp file* dir2/  
[nlaizon@server1 ~]$ ls dir2/  
dir2a file1 file2 file3 file4 file5  
[nlaizon@server1 ~]$ cp file[!2] dir2/dir2a/  
[nlaizon@server1 ~]$ ls dir2/dir2a/  
file1 file3 file4 file5  
[nlaizon@server1 ~]$
```


17. Edit the file2 using vi, type 10 Linux commands you have learned and save the file2.

[illegible]

```
nlauzon@server1:~  
File Edit View Search Terminal Help  
[nlauzon@server1 ~]$ cd dir2  
[nlauzon@server1 dir2]$ mkdir dir2a  
[nlauzon@server1 dir2]$ ls  
dir2a  
[nlauzon@server1 dir2]$ cd ~  
[nlauzon@server1 ~]$ cp file* dir2/  
[nlauzon@server1 ~]$ ls dir2/  
dir2a file1 file2 file3 file4 file5  
[nlauzon@server1 ~]$ cp file[!2] dir2/dir2a/  
[nlauzon@server1 ~]$ ls dir2/dir2a/  
file1 file3 file4 file5  
[nlauzon@server1 ~]$ vi file2  
[nlauzon@server1 ~]$ cat file2  
1) clear  
2) who  
3) cd  
4) ls  
5) pwd  
6) cal  
7) shutdown  
8) history  
9) cp  
10) rm  
[nlauzon@server1 ~]$
```

18. Copy the file `/etc/passwd` to your home directory and rename it `mypasswd`.

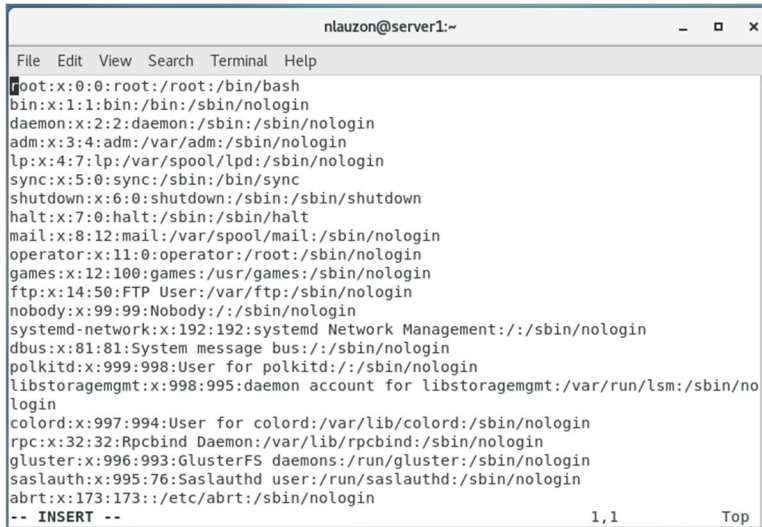
```
nlauzon@server1:~
File Edit View Search Terminal Help

10) rm
[nlauzon@server1 ~]$ pwd
/home/nlauzon
[nlauzon@server1 ~]$ cp /etc/passwd home/nlauzon/
cp: cannot create regular file 'home/nlauzon/': No such file or directory
[nlauzon@server1 ~]$ cp /etc/passwd home/nlauzon/mypasswd
cp: cannot create regular file 'home/nlauzon/mypasswd': No such file or directory
[nlauzon@server1 ~]$ sl
bash: sl: command not found...
Similar command is: 'ls'
[nlauzon@server1 ~]$ ls
Desktop doc1 Documents file2 file5 Pictures shopping_list Tmp2 Trips
dir1 doc2 Downloads file3 Foods pro Templates Tmp3 Videos
dir2 doc3 file1 file4 Music Public Tmp1 Trip3

[nlauzon@server1 ~]$ cd ../..
[nlauzon@server1 ~]$ cd etc
[nlauzon@server1 etc]$ cp passwd /home/nlauzon/mypasswd
[nlauzon@server1 etc]$ cd ~
[nlauzon@server1 ~]$ ls
Desktop doc1 Documents file2 file5 mypasswd Public Tmp1 Trip3
dir1 doc2 Downloads file3 Foods Pictures shopping_list Tmp2 Trips
dir2 doc3 file1 file4 Music pro Templates Tmp3 Videos
[nlauzon@server1 ~]$
```

19. Open the file mypasswd using vi

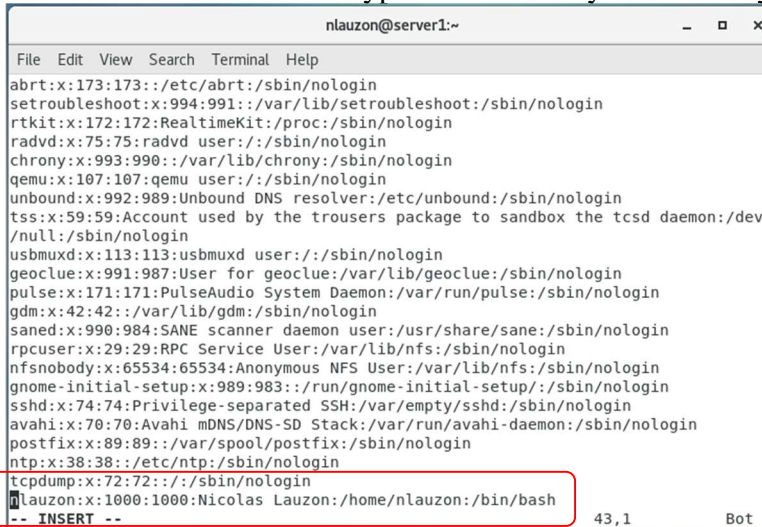
That is the first half of it. The second half is shown in Question 20, as I looked for my username.



```
nlauzon@server1:~  
File Edit View Search Terminal Help  
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:99:99:Nobody:/:/sbin/nologin  
systemd-network:x:192:192:systemd Network Management:/:/sbin/nologin  
dbus:x:81:81:System message bus:/:/sbin/nologin  
polkitd:x:999:998:User for polkitd:/:/sbin/nologin  
libstoragemgmt:x:998:995:daemon account for libstoragemgmt:/var/run/lsm:/sbin/nologin  
colord:x:997:994:User for colord:/var/lib/colord:/sbin/nologin  
rpc:x:32:32:Rpcbind Daemon:/var/lib/rpcbind:/sbin/nologin  
gluster:x:996:993:GlusterFS daemons:/run/gluster:/sbin/nologin  
sasauth:x:995:76:Sasauthd user:/run/sasauthd:/sbin/nologin  
abrt:x:173:173:/:etc/abrt:/sbin/nologin  
-- INSERT -- 1,1 Top
```

20. Find your username

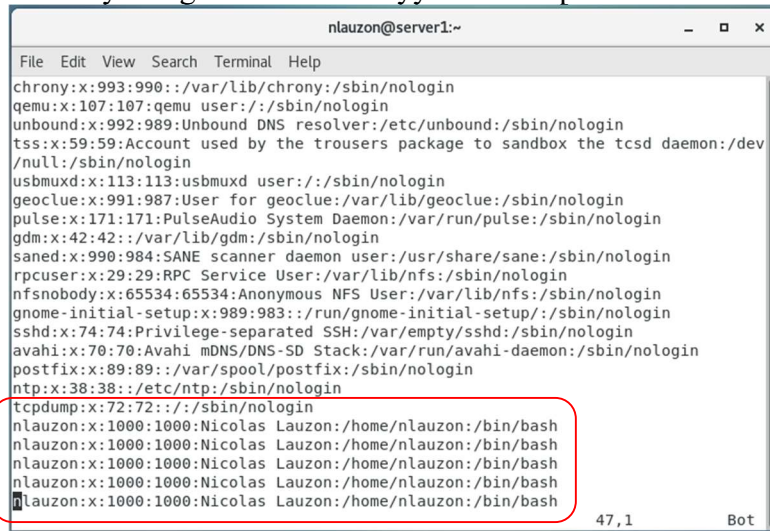
That is the second half of mypasswd. The only line with my name on it is the last one.



```
nlauzon@server1:~  
File Edit View Search Terminal Help  
abrt:x:173:173:/:etc/abrt:/sbin/nologin  
setroubleshoot:x:994:991:/:var/lib/setroubleshoot:/sbin/nologin  
rtkit:x:172:172:RealtimeKit:/proc:/sbin/nologin  
radvd:x:75:75:radvd user:/:/sbin/nologin  
chrony:x:993:990:/:var/lib/chrony:/sbin/nologin  
qemu:x:107:107:qemu user:/:/sbin/nologin  
unbound:x:992:989:Unbound DNS resolver:/etc/unbound:/sbin/nologin  
tss:x:59:59:Account used by the trousers package to sandbox the tcsd daemon:/dev/null:/sbin/nologin  
usbmuxd:x:113:113:usbmuxd user:/:/sbin/nologin  
geoclue:x:991:987:User for geoclue:/var/lib/geoclue:/sbin/nologin  
pulse:x:171:171:PulseAudio System Daemon:/var/run/pulse:/sbin/nologin  
gdm:x:42:42:/:var/lib/gdm:/sbin/nologin  
saned:x:990:984:SANE scanner daemon user:/usr/share/sane:/sbin/nologin  
rpcuser:x:29:29:RPC Service User:/var/lib/nfs:/sbin/nologin  
nfsnobody:x:65534:65534:Anonymous NFS User:/var/lib/nfs:/sbin/nologin  
gnome-initial-setup:x:989:983:/:run/gnome-initial-setup:/sbin/nologin  
sshd:x:74:74:Privilege-separated SSH:/var/empty/sshd:/sbin/nologin  
avahi:x:70:70:Avahi mDNS/DNS-SD Stack:/var/run/avahi-daemon:/sbin/nologin  
postfix:x:89:89:/:var/spool/postfix:/sbin/nologin  
ntp:x:38:38:/:etc/ntp:/sbin/nologin  
tcpdump:x:72:72:/:/sbin/nologin  
nlauzon:x:1000:1000:Nicolas Lauzon:/home/nlauzon:/bin/bash  
-- INSERT -- 43,1 Bot
```

21. Copy the line of your username 4 times

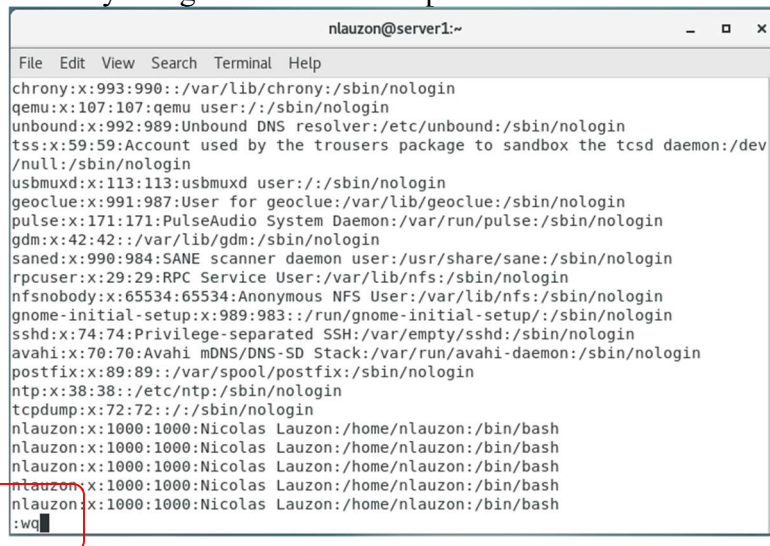
Done by using the commands `yy` once and `p` four times



```
nlauzon@server1:~  
File Edit View Search Terminal Help  
chrony:x:993:990:./var/lib/chrony:/sbin/nologin  
qemu:x:107:107:qemu user:/sbin/nologin  
unbound:x:992:989:Unbound DNS resolver:/etc/unbound:/sbin/nologin  
tss:x:59:59:Account used by the trousers package to sandbox the tcsd daemon:/dev  
/null:/sbin/nologin  
usbmuxd:x:113:113:usbmuxd user:/sbin/nologin  
geoclue:x:991:987:User for geoclue:/var/lib/geoclue:/sbin/nologin  
pulse:x:171:171:PulseAudio System Daemon:/var/run/pulse:/sbin/nologin  
gdm:x:42:42:./var/lib/gdm:/sbin/nologin  
saned:x:990:984:SANE scanner daemon user:/usr/share/sane:/sbin/nologin  
rpcuser:x:29:29:RPC Service User:/var/lib/nfs:/sbin/nologin  
nfsnobody:x:65534:65534:Anonymous NFS User:/var/lib/nfs:/sbin/nologin  
gnome-initial-setup:x:989:983:./run/gnome-initial-setup:/sbin/nologin  
sshd:x:74:74:Privilege-separated SSH:/var/empty/sshd:/sbin/nologin  
avahi:x:70:70:Avahi mDNS/DNS-SD Stack:/var/run/avahi-daemon:/sbin/nologin  
postfix:x:89:89:./var/spool/postfix:/sbin/nologin  
ntp:x:38:38:./etc/ntp:/sbin/nologin  
tcpdump:x:72:72:./sbin/nologin  
nlauzon:x:1000:1000:Nicolas Lauzon:/home/nlauzon:/bin/bash  
nlauzon:x:1000:1000:Nicolas Lauzon:/home/nlauzon:/bin/bash  
nlauzon:x:1000:1000:Nicolas Lauzon:/home/nlauzon:/bin/bash  
nlauzon:x:1000:1000:Nicolas Lauzon:/home/nlauzon:/bin/bash  
nlauzon:x:1000:1000:Nicolas Lauzon:/home/nlauzon:/bin/bash
```

22. Save the change and exit vi

Done by using the command `:wq`.



```
nlauzon@server1:~  
File Edit View Search Terminal Help  
chrony:x:993:990:./var/lib/chrony:/sbin/nologin  
qemu:x:107:107:qemu user:/sbin/nologin  
unbound:x:992:989:Unbound DNS resolver:/etc/unbound:/sbin/nologin  
tss:x:59:59:Account used by the trousers package to sandbox the tcsd daemon:/dev  
/null:/sbin/nologin  
usbmuxd:x:113:113:usbmuxd user:/sbin/nologin  
geoclue:x:991:987:User for geoclue:/var/lib/geoclue:/sbin/nologin  
pulse:x:171:171:PulseAudio System Daemon:/var/run/pulse:/sbin/nologin  
gdm:x:42:42:./var/lib/gdm:/sbin/nologin  
saned:x:990:984:SANE scanner daemon user:/usr/share/sane:/sbin/nologin  
rpcuser:x:29:29:RPC Service User:/var/lib/nfs:/sbin/nologin  
nfsnobody:x:65534:65534:Anonymous NFS User:/var/lib/nfs:/sbin/nologin  
gnome-initial-setup:x:989:983:./run/gnome-initial-setup:/sbin/nologin  
sshd:x:74:74:Privilege-separated SSH:/var/empty/sshd:/sbin/nologin  
avahi:x:70:70:Avahi mDNS/DNS-SD Stack:/var/run/avahi-daemon:/sbin/nologin  
postfix:x:89:89:./var/spool/postfix:/sbin/nologin  
ntp:x:38:38:./etc/ntp:/sbin/nologin  
tcpdump:x:72:72:./sbin/nologin  
nlauzon:x:1000:1000:Nicolas Lauzon:/home/nlauzon:/bin/bash  
nlauzon:x:1000:1000:Nicolas Lauzon:/home/nlauzon:/bin/bash  
nlauzon:x:1000:1000:Nicolas Lauzon:/home/nlauzon:/bin/bash  
nlauzon:x:1000:1000:Nicolas Lauzon:/home/nlauzon:/bin/bash  
nlauzon:x:1000:1000:Nicolas Lauzon:/home/nlauzon:/bin/bash  
:wq
```

23. Open again the file mypasswd using vi

I just used the up arrow to get back to the vi mypasswd, no change to the file I saved. My initial preparation to delete a large number of line is to set the line numbers (:set nu).

```

nlauzion@server1:~
File Edit View Search Terminal Help
26 chrony:x:993:990:./var/lib/chrony:/sbin/nologin
27 qemu:x:107:107;qemu user:/sbin/nologin
28 unbound:x:992:989:Unbound DNS resolver:/etc/unbound:/sbin/nologin
29 tss:x:59:59:Account used by the trousers package to sandbox the tcsd daemon:
/dev/null:/sbin/nologin
30 usbmuxd:x:113:113:usbmuxd user:/sbin/nologin
31 geoclue:x:991:987:User for geoclue:/var/lib/geoclue:/sbin/nologin
32 pulse:x:171:171:PulseAudio System Daemon:/var/run/pulse:/sbin/nologin
33 gdm:x:42:42:./var/lib/gdm:/sbin/nologin
34 sane:x:990:984:SANE scanner daemon user:/usr/share/sane:/sbin/nologin
35 rpcuser:x:29:29:RPC Service User:/var/lib/nfs:/sbin/nologin
36 nfsnobody:x:65534:65534:Anonymous NFS User:/var/lib/nfs:/sbin/nologin
37 gnome-initial-setup:x:989:983:./run/gnome-initial-setup:/sbin/nologin
38 sshd:x:74:74:Privilege-separated SSH:/var/empty/sshd:/sbin/nologin
39 avahi:x:70:70:Avahi mDNS/DNS-SD Stack:/var/run/avahi-daemon:/sbin/nologin
40 postfix:x:89:89:./var/spool/postfix:/sbin/nologin
41 ntp:x:38:38:./etc/ntp:/sbin/nologin
42 tcpdump:x:72:72:./:/sbin/nologin
43 nlauzion:x:1000:1000:Nicolas Lauzon:/home/nlauzion:/bin/bash
44 nlauzion:x:1000:1000:Nicolas Lauzon:/home/nlauzion:/bin/bash
45 nlauzion:x:1000:1000:Nicolas Lauzon:/home/nlauzion:/bin/bash
46 nlauzion:x:1000:1000:Nicolas Lauzon:/home/nlauzion:/bin/bash
47 nlauzion:x:1000:1000:Nicolas Lauzon:/home/nlauzion:/bin/bash
: set nu 47,1 Bot

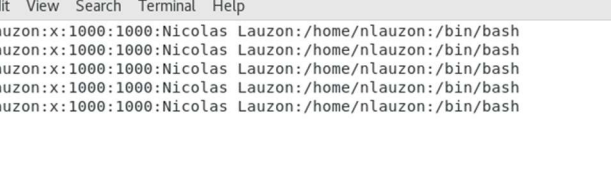
```

24. Delete all lines and keep only the 5 lines of your username

I did a single command to delete all unwanted line, that 42dd.

[illegible]

Just using the :wq again.



The screenshot shows a terminal window titled "nlauzon@server1:~". The menu bar includes "File", "Edit", "View", "Search", "Terminal", and "Help". The terminal content shows a file listing command and its output:

```
1 nlauzon:x:1000:1000:Nicolas Lauzon:/home/nlauzon:/bin/bash
2 nlauzon:x:1000:1000:Nicolas Lauzon:/home/nlauzon:/bin/bash
3 nlauzon:x:1000:1000:Nicolas Lauzon:/home/nlauzon:/bin/bash
4 nlauzon:x:1000:1000:Nicolas Lauzon:/home/nlauzon:/bin/bash
5 nlauzon:x:1000:1000:Nicolas Lauzon:/home/nlauzon:/bin/bash
```

At the bottom of the terminal, the prompt ":wq" is visible, indicating the user is in a text editor.

```

nlaunzon@server1:~
File Edit View Search Terminal Help

Desktop doc1 Documents file2 file5 Pictures shopping_list Tmp2 Trips
dir1 doc2 Downloads file3 Foods pro Templates Tmp3 Videos
dir2 doc3 file1 file4 Music Public Tmp1 Trip3

[nlaunzon@server1 ~]$ cd ../../
[nlaunzon@server1 /]$ cd etc
[nlaunzon@server1 etc]$ cp passwd /home/nlaunzon/mypasswd
[nlaunzon@server1 etc]$ cd ~
[nlaunzon@server1 ~]$ ls

Desktop doc1 Documents file2 file5 mypasswd Public Tmp1 Trip3
dir1 doc2 Downloads file3 Foods Pictures shopping_list Tmp2 Trips
dir2 doc3 file1 file4 Music pro Templates Tmp3 Videos

[nlaunzon@server1 ~]$ vi mypasswd
[nlaunzon@server1 ~]$ vi mypasswd
[nlaunzon@server1 ~]$ vi mypasswd
[nlaunzon@server1 ~]$ vi mypasswd
[nlaunzon@server1 ~]$ vi mypasswd
[nlaunzon@server1 ~]$ cat mypasswd
nlaunzon:x:1000:1000:Nicolas Launzon:/home/nlaunzon:/bin/bash
nlaunzon:x:1000:1000:Nicolas Launzon:/home/nlaunzon:/bin/bash
nlaunzon:x:1000:1000:Nicolas Launzon:/home/nlaunzon:/bin/bash
nlaunzon:x:1000:1000:Nicolas Launzon:/home/nlaunzon:/bin/bash
nlaunzon:x:1000:1000:Nicolas Launzon:/home/nlaunzon:/bin/bash
nlaunzon@server1 ~]$

```