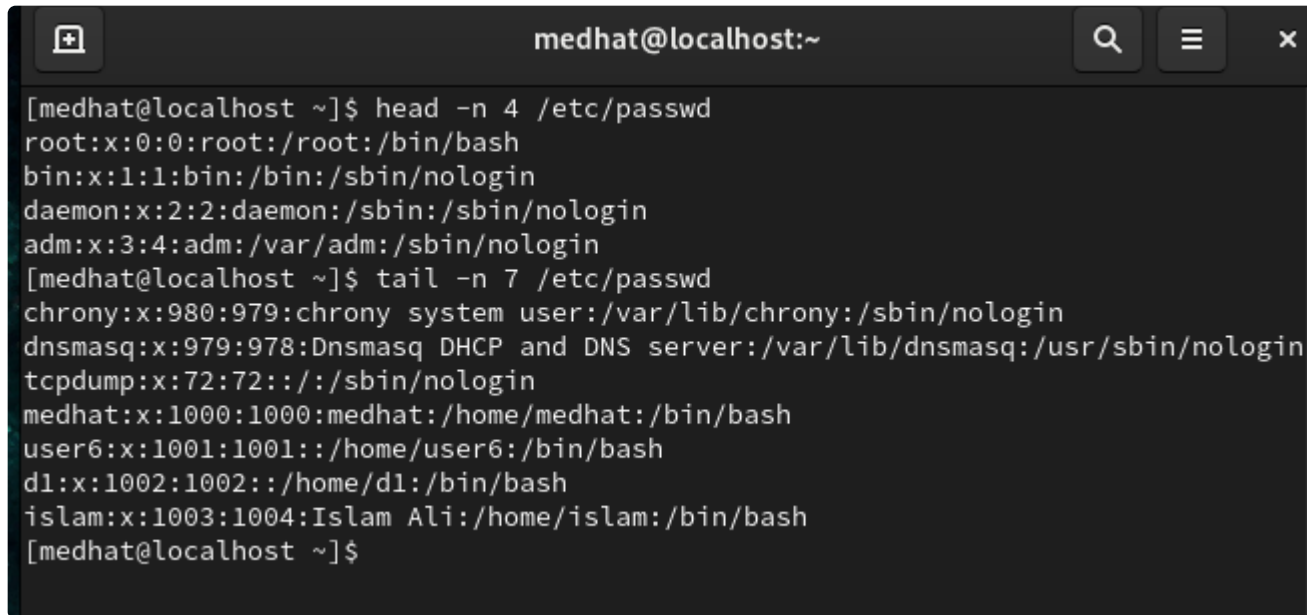


1 ) Display the first 4 lines of /etc/passwd

2) Display the last 7 lines of /etc/passwd



```
medhat@localhost:~  
[medhat@localhost ~]$ head -n 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:/sbin/nologin  
adm:x:3:4:adm:/var/adm:/sbin/nologin  
[medhat@localhost ~]$ tail -n 7 /etc/passwd  
chrony:x:980:979:chrony system user:/var/lib/chrony:/sbin/nologin  
dnsmasq:x:979:978:Dnsmasq DHCP and DNS server:/var/lib/dnsmasq:/usr/sbin/nologin  
tcpdump:x:72:72:::/sbin/nologin  
medhat:x:1000:1000:medhat:/home/medhat:/bin/bash  
user6:x:1001:1001::/home/user6:/bin/bash  
d1:x:1002:1002::/home/d1:/bin/bash  
islam:x:1003:1004:Islam Ali:/home/islam:/bin/bash  
[medhat@localhost ~]$
```

3) Remove dir11 in one step. What did you notice?

- **If the directory is empty:** The command `rmdir dir11` will succeed without any warning
- **if the directory contains files**
  - running `rm` results in an error
  - running `rm -r` will succeed and the directory and all its contents will be removed

4) Count the words in the /etc/passwd

5) Count the lines in /etc/passwd

```
medhat@localhost:~/dir1

[medhat@localhost dir1]$ man wc
[medhat@localhost dir1]$ wc -w /etc/passwd
94 /etc/passwd
[medhat@localhost dir1]$ man wc
[medhat@localhost dir1]$ wc -l /etc/passwd
40 /etc/passwd
[medhat@localhost dir1]$
```

6) Using vi/vim write your CV in a file mycv. Your CV should include your name, age, school, college, experience, ... at least 7 lines

```
medhat@localhost:~/dir1 — vim mycv

Name : Medhat
Age : 23
School : Fakous military secondary school
College : Zagazig university
Degree : Computer Engineering, Graduated with honors
Exprience : Worked on Embedded Systems and Data Engineering
Interests : Programming and Data Engineering
~
~
```

7) Open mycv file using vim command then : Without using arrows state how to :

- Move the cursor down one line at a time.
  - use j
- Move the cursor up one line at a time.
  - use k
- Search for the word age

- /Age
- **Step to line 4 (assuming that you are in line 1 and the file is more than 5 lines).**
  - 4G
- **Delete the line you are on and line 5.**
  - :5d

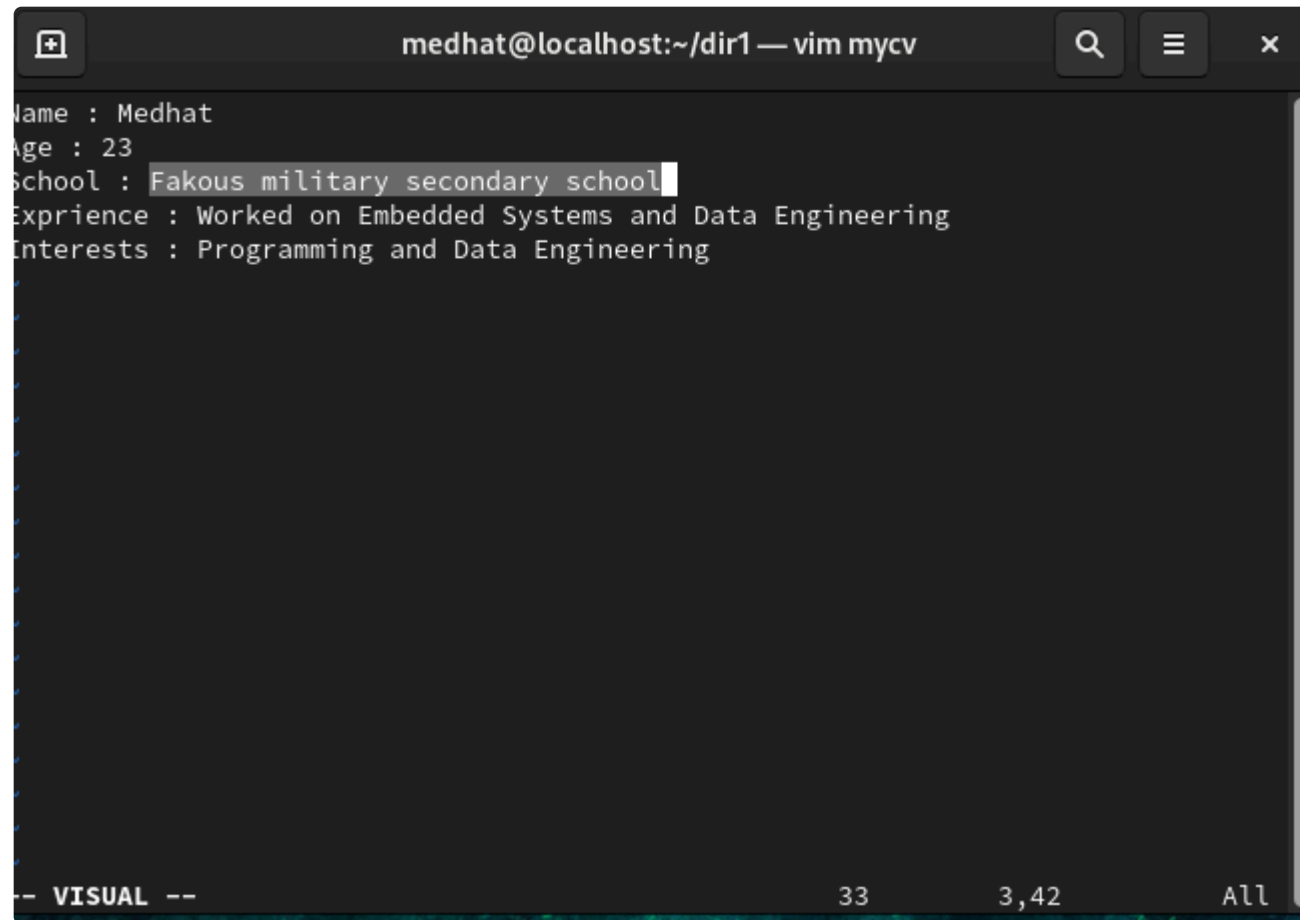
```
medhat@localhost:~/dir1 — vim mycv
```

Name : Medhat  
Age : 23  
School : Fakous military secondary school  
College : Zagazig university  
Degree : Computer Engineering, Graduated with honors  
Exprience : Worked on Embedded Systems and Data Engineering  
Interests : Programming and Data Engineering

: ,5d

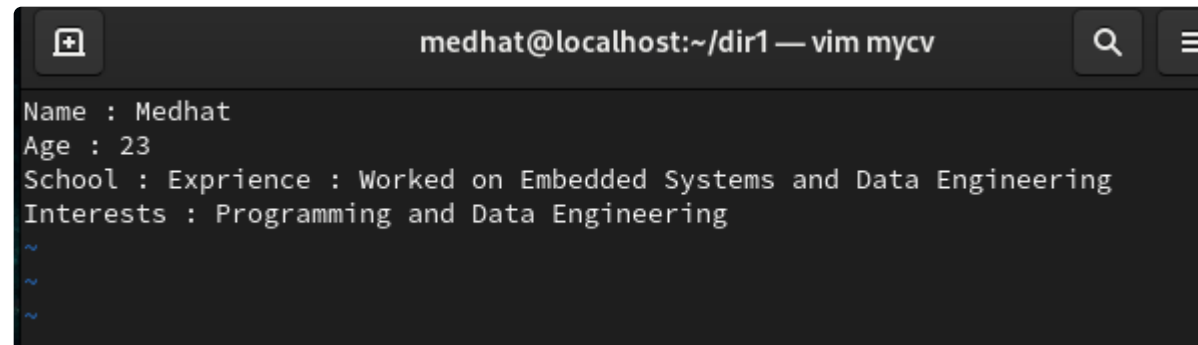


- delete the school's name using the visual mode



```
medhat@localhost:~/dir1 — vim mycv
Name : Medhat
Age : 23
School : Fakous military secondary school
Exprience : Worked on Embedded Systems and Data Engineering
Interests : Programming and Data Engineering

-- VISUAL -- 33 3,42 All
```



```
medhat@localhost:~/dir1 — vim mycv
Name : Medhat
Age : 23
School : Exprience : Worked on Embedded Systems and Data Engineering
Interests : Programming and Data Engineering
~
~
~
~
```

- [illegible]

**8) create a new file named myfile under your home directory**

- **Give permission rw to user Islam without changing the owner or the other's permission**

```
medhat@localhost:~  
[medhat@localhost dir1]$ ls  
dir12 file_perm mycv  
[medhat@localhost dir1]$ cd  
[medhat@localhost ~]$ touch myfile  
[medhat@localhost ~]$ ls  
Desktop doc Downloads myfile oldpasswd Public testFile  
dir1 Documents Music myteam Pictures Templates Videos  
[medhat@localhost ~]$ setfacl -m u:islam:rw myfile  
[medhat@localhost ~]$ getfacl myfile  
# file: myfile  
# owner: medhat  
# group: medhat  
user::rw-  
user:islam:rw-  
group::r--  
mask::rw-  
other::r--  
  
[medhat@localhost ~]$
```

- **Create a user named intern**
  - `sudo useradd intern`
- **Prevent user intern from accessing myfile**



intern@localhost:~

```
[medhat@localhost ~]$ setfacl -m u:intern:--- myfile
[medhat@localhost ~]$ su - intern
Password:
Password:
su: Authentication failure
[medhat@localhost ~]$ passwd intern
passwd: Only root can specify a user name.
[medhat@localhost ~]$ sudo passwd intern
Changing password for user intern.
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: all authentication tokens updated successfully.
[medhat@localhost ~]$ su - intern
Password:
[intern@localhost ~]$ ls
[intern@localhost ~]$ cd /home/medhat/myfile
-bash: cd: /home/medhat/myfile: Permission denied
[intern@localhost ~]$
```