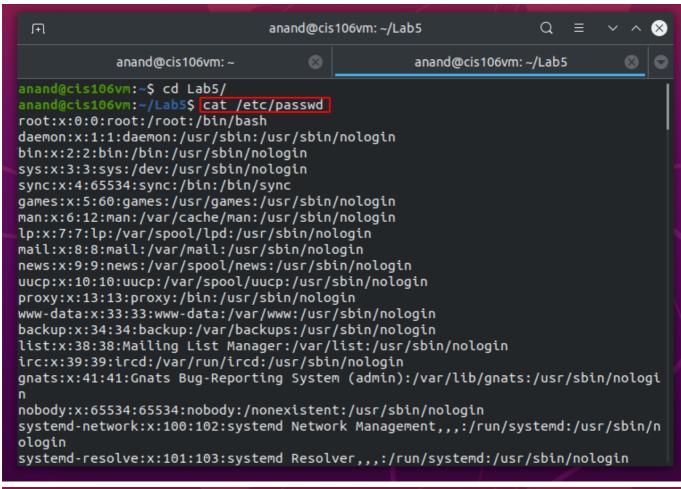
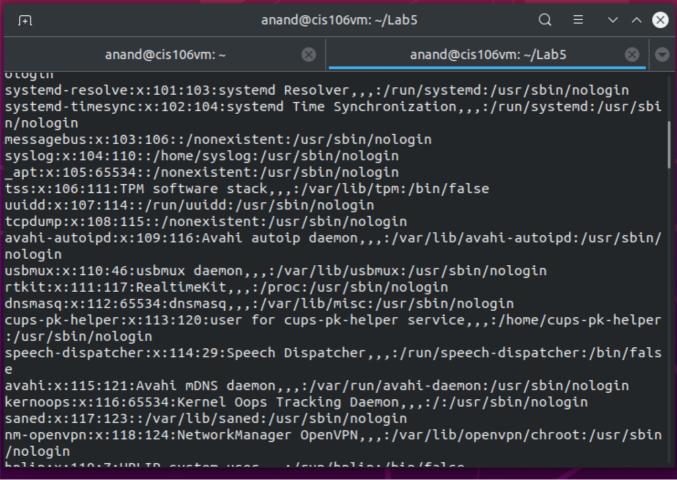
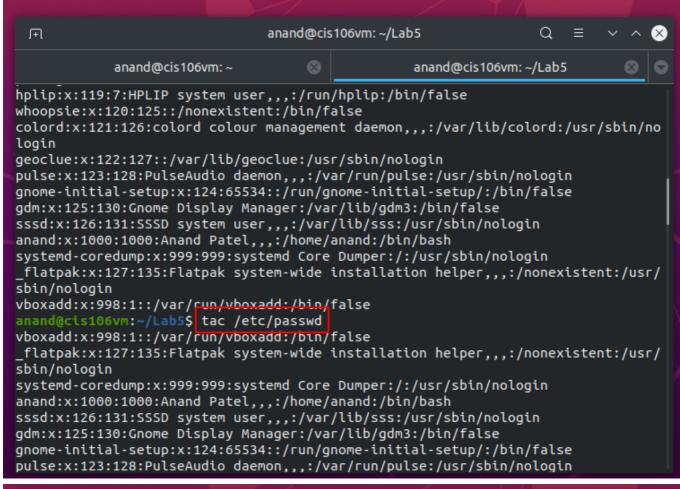
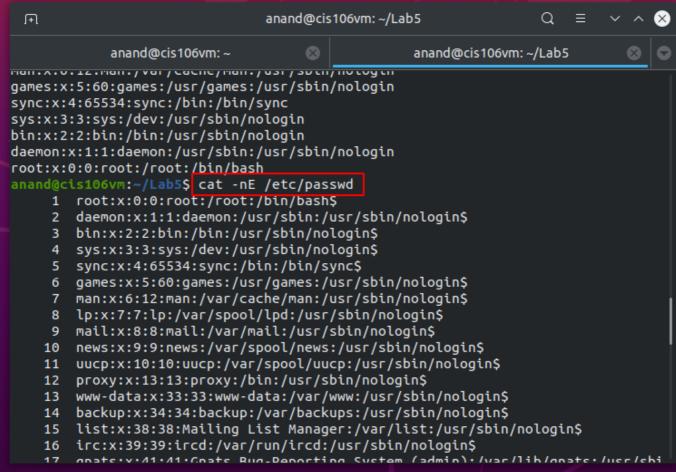
Lab 5 | Handling Text Files

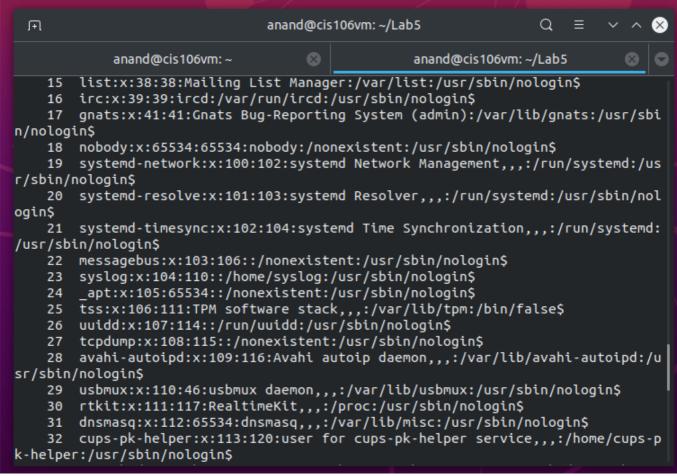
• Question 1

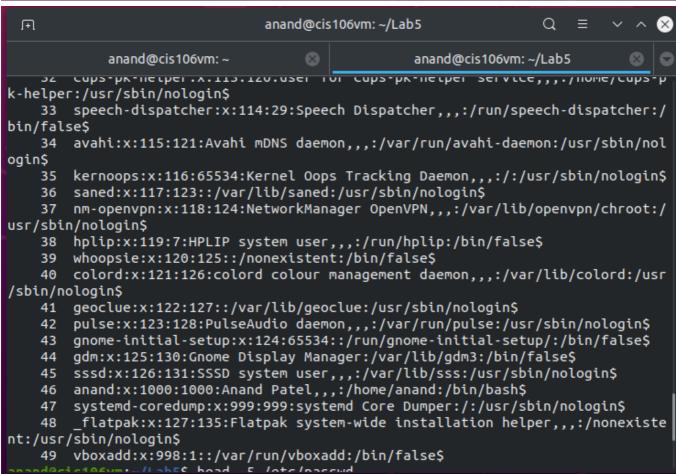


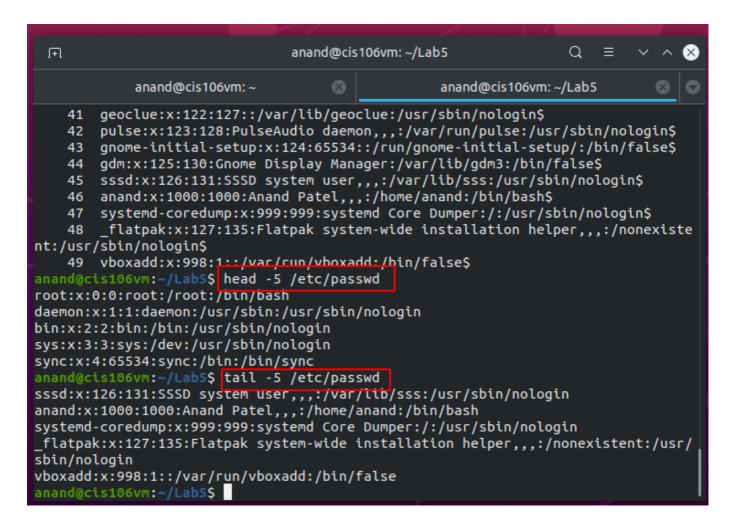




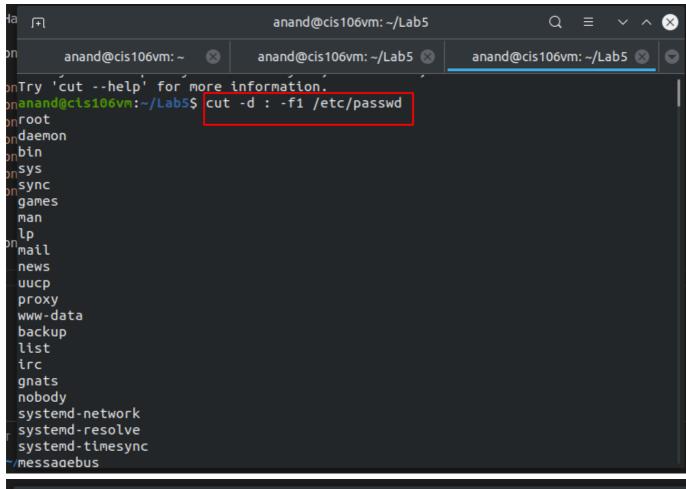




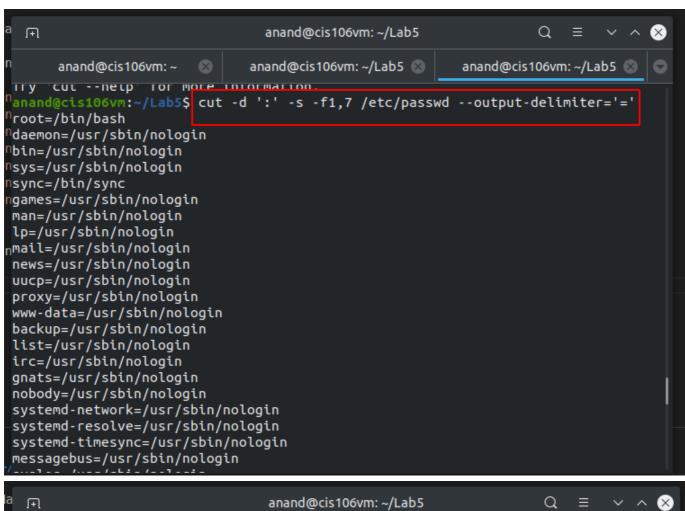


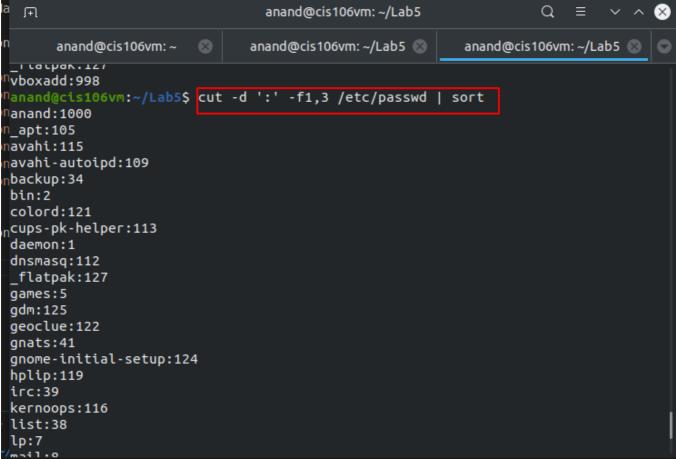


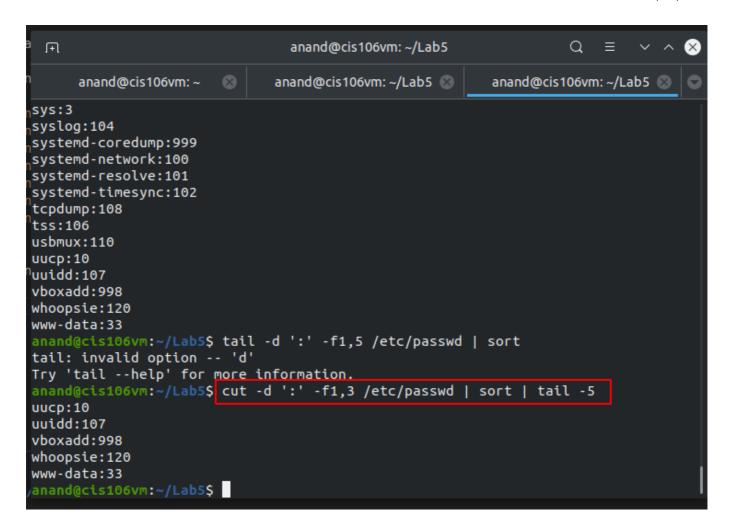
• Question 2



```
anand@cis106vm: ~/Lab5
                                                                      Q
      anand@cis106vm: ~
                                anand@cis106vm: ~/Lab5
                                                            anand@cis106vm: ~/Lab5
Full documentation at: <https://www.gnu.org/software/coreutils/tail>
or available locally via: info '(coreutils) tail invocation'
anand@cis106vm:~/Lab5$ tail -5 /etc/passwd | cut -d ':' -f 1
sssd
anand
systemd-coredump
flatpak
vboxadd
anand@cis106vm:~/Lab5$ cut -d ':' -s -f1,7 --output-delimeter="=" /etc/passwd
cut: unrecognized option '--output-delimeter=='
nTry 'cut --help' for more information.
anand@cis106vm:~/Lab5$ cut -d ':' -s -f1,7 "=" /etc/passwd
cut: '=': No such file or directory
root:/bin/bash
daemon:/usr/sbin/nologin
bin:/usr/sbin/nologin
sys:/usr/sbin/nologin
sync:/bin/sync
games:/usr/sbin/nologin
man:/usr/sbin/nologin
lp:/usr/sbin/nologin
mail:/usr/sbin/nologin
news:/usr/sbin/nologin
uucp:/usr/sbin/nologin
```





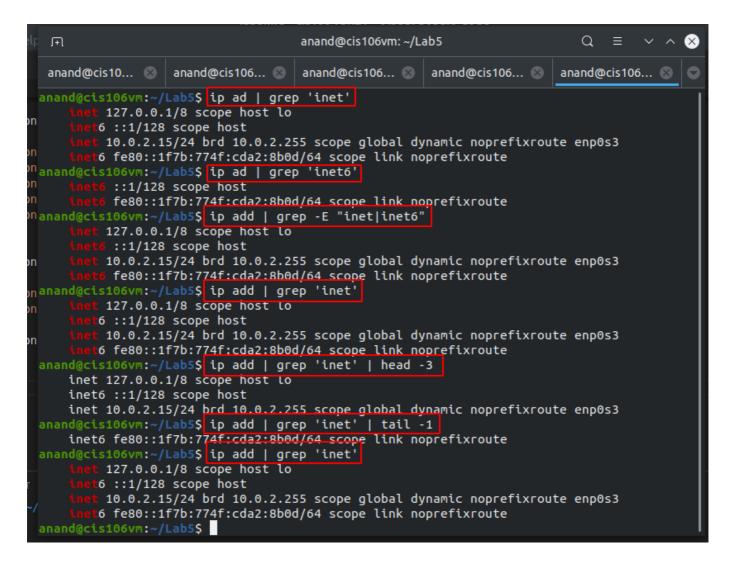


• Question 3

```
Q
                                anand@cis106vm: ~/Lab5
  Ħ
 anand@cis106vm: ~ 🛇
                     anand@cis106vm...
                                         anand@cis106vm...
                                                              anand@cis106vm...
anand@cis106vm:~/Lab5$ wc -l /etc/passwd
49 /etc/passwd
anand@cis106vm:~/Lab5$ wc -w /etc/passwd
90 /etc/passwd
canand@cis106vm:~/Lab5$ grep '/bin/bash' /etc/passwd
<root:x:0:0:root:/root:</pre>
anand:x:1000:1000:Anand Patel,,,:/home/anand:
anand@cis106vm:~/Lab5$ grep anand /etc/passwd
     :x:1000:1000:Anand Patel,,,:/home/anand:/bin/bash
anand@cis106vm:~/Lab5$
```

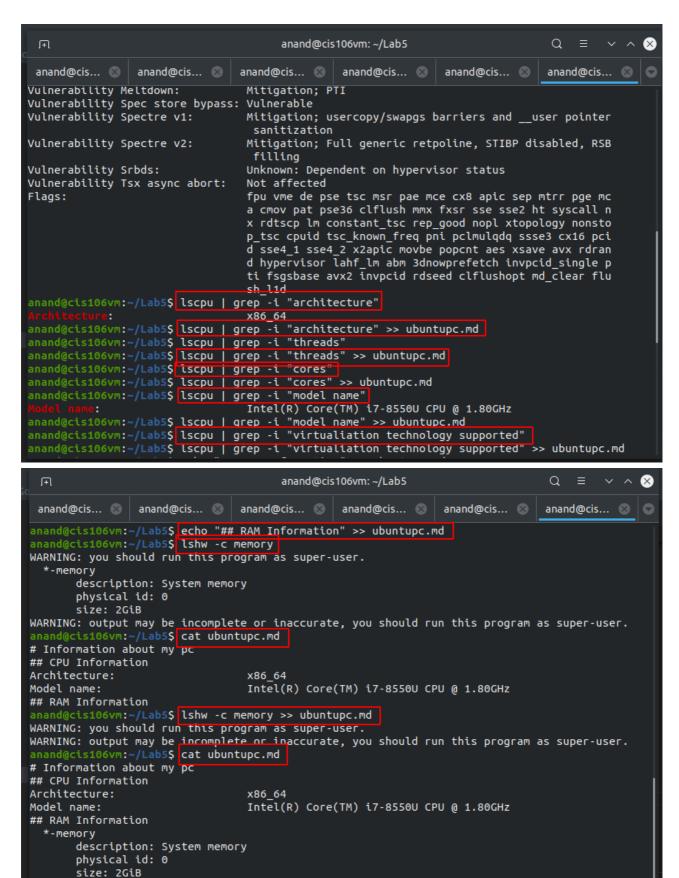
```
Ħ
                                anand@cis106vm: ~/Lab5
                                        anand@cis106vm... 🛭
 anand@cis106vm: ~ 🔯
                     anand@cis106vm...
                                                              anand@cis106vm...
L<sub>49</sub> /etc/passwd
anand@cis106vm:~/Lab5$ grep '/sbin/nologin' /etc/passwd
daemon:x:1:1:daemon:/usr/sbin:/usr
bin:x:2:2:bin:/bin:/usr
sys:x:3:3:sys:/dev:/usr
games:x:5:60:games:/usr/games:/usr
man:x:6:12:man:/var/cache/man:/usr
lp:x:7:7:lp:/var/spool/lpd:/usr
mail:x:8:8:mail:/var/mail:/usr
news:x:9:9:news:/var/spool/news:/usr/
uucp:x:10:10:uucp:/var/spool/uucp:/usr
proxy:x:13:13:proxy:/bin:/usr
www-data:x:33:33:www-data:/var/www:/usr
backup:x:34:34:backup:/var/backups:/usr
list:x:38:38:Mailing List Manager:/var/list:/usr
irc:x:39:39:ircd:/var/run/ircd:/usr
gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/
nobody:x:65534:65534:nobody:/nonexistent:/usr/
systemd-network:x:100:102:systemd Network Management,,,:/run/systemd:/usr/
```

Question 4



Question 5

```
anand@cis106vm: ~/Lab5
                                                                                                              \otimes
  anand@cis10... 🛇 anand@cis10... 🛇 anand@cis10... 🛇 anand@cis10... 🛇 anand@cis10... 🛇 anand@cis10...
 anand@cis106vm:~/Lab5$ echo "# Information about my pc" > ubuntupc.md
       cis106vm:~/Lab5$ ls
 ubuntupc.md
 anand@cis106vm:~/Lab5$ echo "## CPU Information" >> ubuntupc.md
       cis106vm:~/Lab5$ cat ubuntupc.md
# Information about my pc
la## CPU Information
            06vm:~/Lab5$ lscpu
Architecture:
                                    x86 64
<sup>c</sup>CPU op-mode(s):
                                    32-bit, 64-bit
                                    Little Endian
 Byte Order:
 Address sizes:
                                    39 bits physical, 48 bits virtual
 CPU(s):
 On-line CPU(s) list:
                                    0,1
<sup>l</sup>ēThread(s) per core:
<code>lacore(s) per socket:</code>
 Socket(s):
 NUMA node(s):
 Vendor ID:
                                    GenuineIntel
 CPU family:
 Model:
 Model name:
                                    Intel(R) Core(TM) i7-8550U CPU @ 1.80GHz
 Stepping:
                                    10
                                    1992.001
 CPU MHz:
                                    3984.00
 BogoMIPS:
 Hypervisor vendor:
                                    KVM
 Virtualization type:
                                    full
                                    64 KiB
 L1d cache:
 L1i cache:
                                    64 KiB
 L2 cache:
                                    512 KiB
                                    16 MiB
 L3 cache:
 NUMA node@ CPU(s):
                                    0,1
```



anand@cis106vm:~/Lab5\$