Lab 7

Question 1

```
and-tailor-$ cat .nE /etc/passwd
root:x:0:0:root:/bin/bashS
daemon:x:1:1:daemon:/usr/sbln/nologin$
blin:x:2:2:bln:/bln:/usr/sbln/nologin$
sync:x:2:2:bln:/bln:/usr/sbln/nologin$
sync:x:4:0534:sys:/dev:/usr/sbln/nologin$
sync:x:4:0534:sys:/dev:/usr/sbln/nologin$
sync:x:4:0534:sys:/dev:/usr/sbln/bln/syncs
games:xis:js:yaev:/usr/games:/usr/sbln/nologin$
nan:x:0:12:nan:/var/cache/man:/usr/sbln/nologin$
nan:x:0:12:nan:/var/cache/man:/usr/sbln/nologin$
natlx:8:8:nall:/var/nall:/usr/sbln/nologin$
natlx:8:8:nall:/var/spool/nexs:/usr/sbln/nologin$
natlx:8:8:nall:/var/spool/nexs:/usr/sbln/nologin$
natlx:8:8:1:nall:/var/spool/nexs:/usr/sbln/nologin$
natlx:8:8:3:33:xmw-data:/var/swnc/usr/sbln/nologin$
natlx:8:8:3:33:xmw-data:/var/swnc/usr/sbln/nologin$
nosex:x:13:3:33:xmw-data:/var/swnc/usr/sbln/nologin$
succp:x:10:10:uucp:/var/spool/lexs:/usr/sbln/nologin$
succp:x:10:10:uucp:/var/spool/lexs:/usr/sbln/nologin$
itst:x:38:38:Natling List Manager:/var/list:/usr/sbln/nologin$
itst:x:38:38:Natling List Manager:/var/list:/usr/sbln/nologin$
gnats:x:41:41:Gats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbln/nologin$
systemd-network:x:100:102:systemd Network Managenent,,;/run/systemd:/usr/sbln/nologin$
systemd-network:x:100:102:systemd Network Managenent,,;/run/systemd:/usr/sbln/nologin$
systemd-network:x:100:102:systemd Time Synchronization,,;/run/systemd:/usr/sbln/nologin$
systemd-thesync:x:103:106:systemd Time Synchronization,,;/run/systemd:/usr/sbln/nologin$
systemd-thesync:x:103:106:systemd Time Synchronization,,;/run/systemd:/usr/sbln/nologin$
systemd-thesync:x:100:103:systemd Userspace OM Killer,,;/run/systemd:/usr/sbln/nologin$
systemd-thesync:x:100:110:17M software stack,,,:/var/lib/pn:/bin/false$
uudd:x:109:118::/nonexistent:/usr/sbln/nologin$
savhi-autolpd:x:110:119:Avahl autolp daemon,,:/var/lib/pan/bin/false$
submux:x:111:61:03hm daemon,;/var/lib/pan/chooti/usr/sbln/nologin$
cusp-sw-helper:x:115:74erwond-daemon,;/var/lib/pan-choologin$
savhi-x:112:25:13:30e3-ytemd-daemon,;/var/lib/pan-choologin$
soush-x:112:25:13:
  mthamdan@cis106:~$ head -5 /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
sync:x:4:65534:sync<u>:</u>/bin:/bin/sync
mthamdan@cis106:~$
 mthamdan@cis106:~$ tail -5 /etc/passwd
mthamdan:x:1000:1000:mohammed,,,:/home/mthamdan:/bin/bash
vboxadd:x:999:1::/var/run/vboxadd:/bin/false
  flatpak:x:129:138:Flatpak system-wide installation helper,,,:/nonexistent:/usr/_
sbin/nologin
epmd:x:130:139::/run/epmd:/usr/sbin/nologin
```

Question 2

yaws:x:131:140::/var/cache/yaws:/usr/sbin/nologin

pacelue

nthemagnetistes: *awk -F: '(print \$1, \$NF)' /etc/passwd

follow by hybes

gync / Sthi/pane

file / Strip / Sthi/pane

gync / Sthi/pan

```
pocelue/usr/shin/hologin
pulse_usr/shin/hologin
pulse_usr/shin/hologin
pulse_usr/shin/hologin
hologin
```

Question 3

```
themdempticals: S curt - s https://cialec.com/assets/shopping.txt - o etc/passwd
thandampticals: S curt - s https://cialec.com/assets/tassk.txt - o etc/passwd
thandampticals: S curt - s https://cialec.com/assets/tassk.txt - o etc/passwd
thandampticals: S curt - s https://cialec.com/assets/tassk.txt - o etc/passwd
root-ylkn/bach
deenon-ylars/sbin/nologin
parsy-ylars/sbin/nologin
party-ylars/sbin/nologin
```

Question 4

```
thamdan@cis106:~$ sed -i 's/;/,/g' cereal.csv
ed: can't read cereal.csv: No such file or directory
thamdan@cis106:~$ grep '^love' dracula.txt

mthamdan@cis106:~$ grep '^[A-Z0-9]' dracula.txt

mthamdan@cis106:~$ grep -n -w -e 'love' -e 'hate' pride_and_prejudice.txt
grep: pride_and_prejudice.txt: No such file or directory
mthamdan@cis106:~$ grep -n -w -e 'love' -e 'hate' pride_and_prejudice.txt
```

Question 6

```
real-time non-blocking time (microseconds, -R) unlimited
                                            ime (microseconds, -R) unl
(blocks, -c) 0
(kbytes, -d) unlimited
(-e) 0
(blocks, -f) unlimited
(-i) 7539
(kbytes, -l) 250804
(kbytes, -m) unlimited
(-n) 1024
(512 bytes, -p) 8
(bytes, -q) 819200
(-r) 0
(kbytes, -s) 8192
(seconds, -t) unlimited
(-u) 7539
(kbytes, -v) unlimited
(-x) unlimited
-c '/sbin/nologin' /etc/pas
core file size
data seg size
scheduling priority
file size
pending signals
max locked memory
max memory size open files
pipe size
POSIX message queues
real-time priority
stack size
cpu time
max user processes
virtual memory
file locks
mthamdan@cis106:~$ grep -c '/sbin/nologin' /etc/passwd
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mthamdan@cis106:~$ grep -i 'ford' cars.csv | wc -l
grep: cars.csv: No such file or directory
mthamdan@cis106:~$ grep -o -w -i -E '\b\w{4}\b' bible.txt | wc -l
grep: bible.txt: No such file or directory
mthamdan@cis106:~$
```

Challenge Question

```
thamdan@cis106:~/Downloads$ awk -F ',' '{print $1}' cereal.csv
wk: cannot open cereal.csv (No such file or directory)
thamdan@cis106:~/Downloads$ awk -F ',' 'NR > 1 {print $1}' cereal.csv | sort | sed '1,2d' > cereal-sorted.csv

thamdan@cis106:~/Downloads$ awk -F ';' 'NR > 1 {print $1}' cereal.csv | sort | sed '1,2d' | tr ';' ',' > cereal-sorted.csv
```