Week Report 7

Practice 1

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1: nmmclennon@CIS106: ~ ∨                                              A⏳ □ ×
nmmclennon@CIS106:~$ cat -nE /etc/passwd
    1  root:x:0:0:root:/root:/bin/bash$
    2  daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin$
    3  bin:x:2:2:bin:/bin:/usr/sbin/nologin$
    4  sys:x:3:3:sys:/dev:/usr/sbin/nologin$
    5  sync:x:4:65534:sync:/bin:/bin/sync$
    6  games:x:5:60:games:/usr/games:/usr/sbin/nologin$
    7  man:x:6:12:man:/var/cache/man:/usr/sbin/nologin$
    8  lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin$
    9  mail:x:8:8:mail:/var/mail:/usr/sbin/nologin$
   10  news:x:9:9:news:/var/spool/news:/usr/sbin/nologin$
   11  uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin$
   12  proxy:x:13:13:proxy:/bin:/usr/sbin/nologin$
   13  www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin$
   14  backup:x:34:34:backup:/var/backups:/usr/sbin/nologin$
   15  list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin$
   16  irc:x:39:39:ircd:/run/ircd:/usr/sbin/nologin$
   17  _apt:x:42:65534::/nonexistent:/usr/sbin/nologin$
   18  nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin$
   19  systemd-network:x:998:998:systemd Network Management:/:/usr/sbin/nologin$
   20  systemd-timesync:x:996:996:systemd Time Synchronization:/:/usr/sbin/nologin$
   21  dhcpcd:x:100:65534:DHCP Client Daemon,,,:/usr/lib/dhcpcd:/bin/false$
   22  messagebus:x:101:101::/nonexistent:/usr/sbin/nologin$
   23  syslog:x:102:102::/nonexistent:/usr/sbin/nologin$
   24  systemd-resolve:x:991:991:systemd Resolver:/:/usr/sbin/nologin$
```

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1: nmmclennon@CIS106: ~ ∨
nmmclennon@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:/bin:/bin/sync
nmmclennon@CIS106:~$
```

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1: nmmclennon@CIS106: ~ ∨
nmmclennon@CIS106:~$ tail -5 /etc/passwd
colord:x:118:120:colord colour management daemon,,,:/var/lib/colord:/usr/sbin/nologin
gnome-initial-setup:x:119:65534::/run/gnome-initial-setup/:/bin/false
gdm:x:120:121:Gnome Display Manager:/var/lib/gdm3:/bin/false
nm-openvpn:x:121:122:NetworkManager OpenVPN,,,:/var/lib/openvpn/chroot:/usr/sbin/nologin
nmmclennon:x:1000:1000:nmmclennon:/home/nmmclennon:/bin/bash
nmmclennon@CIS106:~$
```

```
1: nmmclennon@CIS106: ~ ∨
nmmclennon@CIS106:~$ tail -1 /etc/passwd
nmmclennon:x:1000:1000:nmmclennon:/home/nmmclennon:/bin/bash
nmmclennon@CIS106:~$
```

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1: nmmclennon@CIS106: ~  ∨                                    □   ✕

nmmclennon@CIS106:~$ head -1 /etc/passwd
root:x:0:0:root:/root:/bin/bash
nmmclennon@CIS106:~$
```

```
1: nmmclennon@CIS106: ~/Documents/Books  ∨

"By your letter to Mina last night. I was in doubt, and then everything
took a hue of unreality, and I did not know what to trust, even the
evidence of my own senses. Not knowing what to trust, I did not know
what to do; and so had only to keep on working in what had hitherto been
the groove of my life. The groove ceased to avail me, and I mistrusted
myself. Doctor, you don't know what it is to doubt everything, even
yourself. No, you don't; you couldn't with eyebrows like yours." He
seemed pleased, and laughed as he said:--

"So! You are physiognomist. I learn more here with each hour. I am with
so much pleasure coming to you to breakfast; and, oh, sir, you will
pardon praise from an old man, but you are blessed in your wife." I
would listen to him go on praising Mina for a day, so I simply nodded
and stood silent.

"She is one of God's women, fashioned by His own hand to show us men and
other women that there is a heaven where we can enter, and that its
light can be here on earth. So true, so sweet, so noble, so little an
egoist--and that, let me tell you, is much in this age, so sceptical and
selfish. And you, sir--I have read all the letters to poor Miss Lucy,
and some of them speak of you, so I know you since some days from the
knowing of others; but I have seen your true self since last night. You
will give me your hand, will you not? And let us be friends for all our
lives."
```

Practice 2

```
1: nmmclennon@CIS106: ~/Documents/Books ∨
nmmclennon@CIS106:~/Documents/Books$ cut -d":" -f1 /etc/passwd
root
daemon
bin
sys
sync
games
man
lp
mail
news
uucp
proxy
www-data
backup
list
irc
_apt
nobody
systemd-network
systemd-timesync
dhcpcd
messagebus
syslog
systemd-resolve
uuidd
usbmux
```

```
1: nmmclennon@CIS106: ~/Documents/Books ∨
nmmclennon@CIS106:~/Documents/Books$ cut -d":" -f1,6 /etc/passwd
root:/root
daemon:/usr/sbin
bin:/bin
sys:/dev
sync:/bin
games:/usr/games
man:/var/cache/man
lp:/var/spool/lpd
mail:/var/mail
news:/var/spool/news
uucp:/var/spool/uucp
proxy:/bin
www-data:/var/www
backup:/var/backups
list:/var/list
irc:/run/ircd
_apt:/nonexistent
nobody:/nonexistent
systemd-network:/
systemd-timesync:/
dhcpcd:/usr/lib/dhcpcd
messagebus:/nonexistent
syslog:/nonexistent
systemd-resolve:/
uuidd:/run/uuidd
usbmux:/var/lib/usbmux
```

```
1: nmmclennon@CIS106: ~/Documents/Books  ∨

nmmclennon@CIS106:~/Documents/Books$ cut -d":" -f1,6,7 --output-delimiter=" > " /etc/passwd
root > /root > /bin/bash
daemon > /usr/sbin > /usr/sbin/nologin
bin > /bin > /usr/sbin/nologin
sys > /dev > /usr/sbin/nologin
sync > /bin > /bin/sync
games > /usr/games > /usr/sbin/nologin
man > /var/cache/man > /usr/sbin/nologin
lp > /var/spool/lpd > /usr/sbin/nologin
mail > /var/mail > /usr/sbin/nologin
news > /var/spool/news > /usr/sbin/nologin
uucp > /var/spool/uucp > /usr/sbin/nologin
proxy > /bin > /usr/sbin/nologin
www-data > /var/www > /usr/sbin/nologin
backup > /var/backups > /usr/sbin/nologin
list > /var/list > /usr/sbin/nologin
irc > /run/ircd > /usr/sbin/nologin
_apt > /nonexistent > /usr/sbin/nologin
nobody > /nonexistent > /usr/sbin/nologin
systemd-network > / > /usr/sbin/nologin
systemd-timesync > / > /usr/sbin/nologin
dhcpcd > /usr/lib/dhcpcd > /bin/false
messagebus > /nonexistent > /usr/sbin/nologin
syslog > /nonexistent > /usr/sbin/nologin
systemd-resolve > / > /usr/sbin/nologin
uuidd > /run/uuidd > /usr/sbin/nologin
usbmux > /var/lib/usbmux > /usr/sbin/nologin
```

```
1: nmmclennon@CIS106: ~/Documents/Csv  ∨                          □    ✕

nmmclennon@CIS106:~/Documents/Csv$ cut -d";" -f1 ~/Documents/Csv/cereal.csv
Name,Calories,Sugar
Frosted Flakes,110,11
Cheerios,105,1
Special K,120,4
nmmclennon@CIS106:~/Documents/Csv$ |
```

```
1: nmmclennon@CIS106: ~/Documents/Csv  ∨

nmmclennon@CIS106:~/Documents/Csv$ cut -d";" -f1,4 --output-delimiter=" calories = " ~/Documents/Csv/cereal.csv
Name,Calories,Sugar
Frosted Flakes,110,11
Cheerios,105,1
Special K,120,4
nmmclennon@CIS106:~/Documents/Csv$ |
```

Practice 3

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1: nmmclennon@CIS106: ~ ∨                                                          □   ×
nmmclennon@CIS106:~$ sort ~/Documents/Csv/cars.csv
Car,Make,Model,Year
Toyota,Camry,2020
nmmclennon@CIS106:~$ sort /home/nmmclennon/Documents/Csv/cars.csv -o /home/nmmclennon/Documents/Csv/sorted_cars.csv
nmmclennon@CIS106:~$ wc -l /home/nmmclennon/Documents/Csv/sorted_cars.csv
2 /home/nmmclennon/Documents/Csv/sorted_cars.csv
nmmclennon@CIS106:~$ wc -m /home/nmmclennon/Documents/Csv/sorted_cars.csv
38 /home/nmmclennon/Documents/Csv/sorted_cars.csv
nmmclennon@CIS106:~$ sed 's/;/,/g' /home/nmmclennon/Documents/Csv/sorted_cars.csv -i
nmmclennon@CIS106:~$ |
```

Practice 4

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1: nmmclennon@CIS106: ~ ∨
nmmclennon@CIS106:~$ grep -in 'love' pride_and_prejudice.txt
nmmclennon@CIS106:~$ grep -ic 'love' pride_and_prejudice.txt
0
nmmclennon@CIS106:~$ grep -iv 'love' pride_and_prejudice.txt
Pride and Prejudice by Jane Austen
nmmclennon@CIS106:~$ grep -io 'love' pride_and_prejudice.txt | wc -l
0
nmmclennon@CIS106:~$ grep '^Dracula' dracula.txt
Dracula, jumping to his feet, said:--
Dracula, as it may help me to understand. To-night he may talk of
Dracula was speaking, there was that in his eyes and in his bearing
Dracula." I suspected him, and determined to test his sincerity.
Dracula we should go by Galatz, or at any rate through Bucharest, so I
nmmclennon@CIS106:~$ cat /etc/passwd | grep -E "/bin/bash|/bin/sh" | wc -l
2
nmmclennon@CIS106:~$ cat /etc/passwd | grep -vE "/bin/bash|/bin/sh" | wc -l
47
nmmclennon@CIS106:~$ |
```