Lab 8 Submission

Question 1

Question 2

Question 3

```
nmmclennon@CIS106:~$ awk -F: '{print $1}' /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
```

```
nmmclennon@CIS106:~$ awk -F: '{print $1, $NF}' /etc/passwd
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
proxy /usr/sbin/nologin
www-data /usr/sbin/nologin
backup /usr/sbin/nologin
list /usr/sbin/nologin
irc /usr/sbin/nologin
_apt /usr/sbin/nologin
nobody /usr/sbin/nologin
systemd-network /usr/sbin/nologin
systemd-timesync /usr/sbin/nologin
dhcpcd /bin/false
messagebus /usr/sbin/nologin
syslog /usr/sbin/nologin
systemd-resolve /usr/sbin/nologin
uuidd /usr/sbin/nologin
usbmux /usr/sbin/nologin
```

```
nmmclennon@CIS106:~$ awk -F: '{print $1, $NF, $6}' /etc/passw
d
root /bin/bash /root
daemon /usr/sbin/nologin /usr/sbin
bin /usr/sbin/nologin /bin
sys /usr/sbin/nologin /dev
sync /bin/sync /bin
games /usr/sbin/nologin /usr/games
man /usr/sbin/nologin /var/cache/man
lp /usr/sbin/nologin /var/spool/lpd
mail /usr/sbin/nologin /var/mail
news /usr/sbin/nologin /var/spool/news
uucp /usr/sbin/nologin /var/spool/uucp
proxy /usr/sbin/nologin /bin
www-data /usr/sbin/nologin /var/www
backup /usr/sbin/nologin /var/backups
list /usr/sbin/nologin /var/list
irc /usr/sbin/nologin /run/ircd
_apt /usr/sbin/nologin /nonexistent
nobody /usr/sbin/nologin /nonexistent
systemd-network /usr/sbin/nologin /
systemd-timesync /usr/sbin/nologin /
dhcpcd /bin/false /usr/lib/dhcpcd
messagebus /usr/sbin/nologin /nonexistent
syslog /usr/sbin/nologin /nonexistent
systemd-resolve /usr/sbin/nologin /
uuidd /usr/sbin/nologin /run/uuidd
```

```
nmmclennon@CIS106:~$ awk -F: '{print "The user: " $1 " logs in with: " $NF " and is home dir is: " $6}' /etc/pas
The user: root logs in with: /bin/bash and is home dir is: /root
The user: daemon logs in with: /usr/sbin/nologin and is home dir is: /usr/sbin
The user: bin logs in with: /usr/sbin/nologin and is home dir is: /bin
The user: sys logs in with: /usr/sbin/nologin and is home dir is: /dev
The user: sync logs in with: /bin/sync and is home dir is: /bin
The user: games logs in with: /usr/sbin/nologin and is home dir is: /usr/games
The user: man logs in with: /usr/sbin/nologin and is home dir is: /var/cache/man
The user: lp logs in with: /usr/sbin/nologin and is home dir is: /var/spool/lpd
The user: mail logs in with: /usr/sbin/nologin and is home dir is: /var/mail
The user: news logs in with: /usr/sbin/nologin and is home dir is: /var/spool/news
The user: uucp logs in with: /usr/sbin/nologin and is home dir is: /var/spool/uucp
The user: proxy logs in with: /usr/sbin/nologin and is home dir is: /bin
The user: www-data logs in with: /usr/sbin/nologin and is home dir is: /var/www
The user: backup logs in with: /usr/sbin/nologin and is home dir is: /var/backups
The user: list logs in with: /usr/sbin/nologin and is home dir is: /var/list
The user: irc logs in with: /usr/sbin/nologin and is home dir is: /run/ircd
The user: _apt logs in with: /usr/sbin/nologin and is home dir is: /nonexistent
The user: nobody logs in with: /usr/sbin/nologin and is home dir is: /nonexistent
The user: systemd-network logs in with: /usr/sbin/nologin and is home dir is: /
The user: systemd-timesync logs in with: /usr/sbin/nologin and is home dir is: /
The user: dhcpcd logs in with: /bin/false and is home dir is: /usr/lib/dhcpcd
The user: messagebus logs in with: /usr/sbin/nologin and is home dir is: /nonexistent
The user: syslog logs in with: /usr/sbin/nologin and is home dir is: /nonexistent
The user: systemd-resolve logs in with: /usr/sbin/nologin and is home dir is: /
The user: uuidd logs in with: /usr/sbin/nologin and is home dir is: /run/uuidd
The user: usbmux logs in with: /usr/sbin/nologin and is home dir is: /var/lib/usbmux
```

```
nmmclennon@CIS106:~$ awk -F: '{print "The user: " $1 " logs in with: " $NF " and is home dir is: " $6}' /etc/passwd > repo
rt_users.txt
nmmclennon@CIS106:~$ grep '/bin/bash' /etc/passwd | awk -F: '{print $1 " = " $NF}' >> report_users.txt
nmmclennon@CIS106:~$
```

Question 4

```
nmmclennon@CIS106:~$ batcat Honda3.csv
       File: Honda3.csv
   1   model,cylinders,hp
nmmclennon@CIS106:~$
```