

Week Report 8

Practice 5.1

```
1: nmmclennon@CIS106: ~  
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  
dhcpd  
messagebus  
syslog  
systemd-resolve  
uidd  
usbmux
```

Practice 5.2

```
1: nmmclennon@CIS106: ~  
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  
dhcpd /bin/false  
messagebus /usr/sbin/nologin  
syslog /usr/sbin/nologin  
systemd-resolve /usr/sbin/nologin  
uidd /usr/sbin/nologin  
usbmux /usr/sbin/nologin
```

Practice 5.3

```
1: nmmclennon@CIS106: ~  
nmmclennon@CIS106:~$ awk -F: '{print toupper($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  
DHCPD  
MESSAGEBUS  
SYSLOG  
SYSTEMD-RESOLVE  
UUID  
USBMUX
```

Practice 5.4

```
1: nmmclennon@CIS106: ~  
nmmclennon@CIS106:~$ grep "bash" /etc/passwd | awk -F: 'BEGIN {printf "%s\t%s\n", "User", "Shell"} {print $1, "\t", $7}'  
User      Shell  
root      /bin/bash  
nmmclennon /bin/bash  
nmmclennon@CIS106:~$
```

Practice 5.5

```
1: nmmclennon@CIS106: ~  
nmmclennon@CIS106:~$ grep "bash" /etc/passwd | awk -F: 'BEGIN {printf "%s\t%s\n", "User", "Shell"} {print toupper($1), "\t", $7}'  
User      Shell  
ROOT      /bin/bash  
NMMCLENNON /bin/bash  
nmmclennon@CIS106:~$
```

Practice 6

```

1: nmmclennon@CIS106: ~/Documents/Csv
nmmclennon@CIS106:~/Documents/Csv$ sed 's/honda/tesla/Ig' cars.csv > cars_tesla.csv
nmmclennon@CIS106:~/Documents/Csv$ cat cars_tesla.csv | grep -i 'tesla'
tesla,Civic,2018,Red
tesla,Accord,2020,Black
tesla,Model 3,2021,Silver
tesla,CR-V,2015,Gray
nmmclennon@CIS106:~/Documents/Csv$ awk -F, 'BEGIN{OFS=","} {for(i=1;i<=3;i++) gsub(/honda/i, "tesla", $i)} 1' cars.csv > cars_tesla_first3cols.csv
nmmclennon@CIS106:~/Documents/Csv$ head cars_tesla_first3cols.csv
Make,Model,Year,Color
Honda,Civic,2018,Red
Toyota,Corolla,2019,Blue
Honda,Accord,2020,Black
Ford,Mustang,2021,Green
Chevrolet,Impala,2017,White
Tesla,Model 3,2021,Silver
Honda,CR-V,2015,Gray
nmmclennon@CIS106:~/Documents/Csv$ grep -vi 'honda' cars.csv > cars_no_honda.csv
nmmclennon@CIS106:~/Documents/Csv$ cat cars_no_honda.csv | grep -i 'honda'
nmmclennon@CIS106:~/Documents/Csv$ awk '/Honda Civic/ {print; print ""}' cars.csv > honda_civic_blanklines.csv
nmmclennon@CIS106:~/Documents/Csv$ cat honda_civic_blanklines.csv
nmmclennon@CIS106:~/Documents/Csv$ |

```

Practice 7

```

1: nmmclennon@CIS106: ~/Documents/Csv
nmmclennon@CIS106:~/Documents/Csv$ awk 'NR > 3 {print}' cars.csv | sort > cars-no-header.csv
nmmclennon@CIS106:~/Documents/Csv$ cat cars-no-header.csv | tr ';' ' ' | awk -F, '{print $1, $NF}'
Chevrolet White
Ford Green
Honda Black
Honda Gray
Tesla Silver
nmmclennon@CIS106:~/Documents/Csv$ grep ";US" cars.csv | awk -F ';' '{print $1}' | sort > americanCars.csv
nmmclennon@CIS106:~/Documents/Csv$ grep ";Japan" cars.csv | awk -F ';' '{print $1}' | sort >> americanCars.csv
nmmclennon@CIS106:~/Documents/Csv$ americanCars.csv
americanCars.csv: command not found
nmmclennon@CIS106:~/Documents/Csv$ ls
americanCars.csv  cars.csv  cars_tesla.csv  honda_civic_blanklines.csv
cars-brands.csv  cars-no-header.csv  cars_tesla_first3cols.csv  sorted_cars.csv
cars.cs  cars_no_honda.csv  cereal.csv
nmmclennon@CIS106:~/Documents/Csv$ |

```