

Practice 5

```
1: nop@cis106: ~ ▾ AI □
nop@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
messagebus
syslog

nop@cis106:~/Documents/Books$ awk -F: '{print toupper($1)}' /etc/passwd
ROOT
DAEMON
BIN
SYS
SYNC
GAMES
MAN
LP
```

```
1: nop@cis106: ~/Documents/Books
nop@cis106:~/Documents/Books$ grep "bash" /etc/passwd | awk -F: 'BEGIN { printf "%s\t%s\n", "User", "Shell" } {print $1,"\t",$7}'
User      Shell
root      /bin/bash
nop       /bin/bash
nop@cis106:~/Documents/Books$ ^C
nop@cis106:~/Documents/Books$ grep "bash" /etc/passwd | awk -F: 'BEGIN { printf "%s\t%s\n", "User", "Shell" } {print toupper ($1),"\t",$7}'
User      Shell
ROOT      /bin/bash
NOP       /bin/bash
nop@cis106:~/Documents/Books$
```

Practice 6

```
nop@cis106:~$ grep -i 'honda' cars.csv | sed '1,3 s/Honda/tesla/g'
grep: cars.csv: No such file or directory
nop@cis106:~$ cd Documents/
nop@cis106:~/Documents$ cd Books/
nop@cis106:~/Documents/Books$ grep -i 'honda' cars.csv | sed '1,3 s/Honda/tesla/g'
grep: cars.csv: No such file or directory
nop@cis106:~/Documents/Books$ cd ..
nop@cis106:~/Documents$ cs Csv
Command 'cs' not found, but can be installed with:
sudo apt install csound
nop@cis106:~/Documents$ cd Csv
nop@cis106:~/Documents/Csv$ grep -i 'honda' cars.csv | sed '1,3 s/Honda/tesla/g'
nop@cis106:~/Documents/Csv$ grep -i 'honda civic' cars.csv
```

Practice 7

```

1: nop@cis106: ~/Documents/Csv
nop@cis106:~/Documents/Csv$ awk 'NR > 3 {print}' cars.csv | sort > cars-no-header.csv
nop@cis106:~/Documents/Csv$ cat cars-no-header.csv | tr ';' '.' | awk -F, '{print $1,$NF}'
Command 'awl' not found, did you mean:
  command 'aws' from snap aws-cli (1.15.58)
  command 'aws' from deb awscli (2.14.6-1)
  command 'awk' from deb gawk (1:5.2.1-2)
  command 'awk' from deb mawk (1.3.4.20231126-1)
  command 'awk' from deb original-awk (2023-11-27-1)
  command 'wvl' from deb wvl (1.3+db-3)
  command 'axl' from deb afnix (3.8.0-1)
  command 'al' from deb mono-devel (6.8.0.105+dfsg-3.5ubuntu1)
See 'snap info <snapname>' for additional versions.
nop@cis106:~/Documents/Csv$ ^C
nop@cis106:~/Documents/Csv$ cat cars-no-header.csv | tr ';' '.' | awk -F, '{print $1,$NF}'

    }      }
    }      }
    }      }
  body {    body {
</body>    </body>
<body>    <body>

nop@cis106:~/Documents/Csv$ cat cars-no-header.csv | tr ';' '.' | awk -F, '{print $1}' > cars-brands.csv
nop@cis106:~/Documents/Csv$ cat cars-no-header.csv | tr ';' '.' | awk -F, '{print $1}' > cars-brands.csv
nop@cis106:~/Documents/Csv$ grep ";US" cars.csv
nop@cis106:~/Documents/Csv$ grep ";US" cars.csv
nop@cis106:~/Documents/Csv$ grep ";US" cars.csv | awk -F ';' '{print $1}' | sort > americanCars.csv
nop@cis106:~/Documents/Csv$ grep ";Japan" cars.csv | awk -F ';' '{print $1}' | sort >> americanCars.csv
nop@cis106:~/Documents/Csv$

```