

# Week Report 7

## Practice 1

```
reaper@cis106:~$ cat /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
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin

reaper@cis106:~$ tac /etc/passwd
lightdm:x:130:139:Light Display Manager:/var/lib/lightdm:/bin/false
flatpak:x:129:138:Flatpak system-wide installation helper,,,:/nonexistent:/usr/sbin/nologin
vboxadd:x:999:1::/var/run/vboxadd:/bin/false
reaper:x:1000:1000:reaper,,,:/home/reaper:/bin/bash
gdm:x:128:134:Gnome Display Manager:/var/lib/gdm3:/bin/false
hplip:x:127:7:HPLIP system user,,,:/run/hplip:/bin/false
gnome-initial-setup:x:126:65534:/usr/gnome-initial-setup:/bin/false

reaper@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$

reaper@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

reaper@cis106:~$ tail -5 /etc/passwd
gdm:x:128:134:Gnome Display Manager:/var/lib/gdm3:/bin/false
reaper:x:1000:1000:reaper,,,:/home/reaper:/bin/bash
vboxadd:x:999:1::/var/run/vboxadd:/bin/false
flatpak:x:129:138:Flatpak system-wide installation helper,,,:/nonexistent:/usr/sbin/nologin
lightdm:x:130:139:Light Display Manager:/var/lib/lightdm:/bin/false

reaper@cis106:~$ tail -1 /etc/passwd
lightdm:x:130:139:Light Display Manager:/var/lib/lightdm:/bin/false

reaper@cis106:~$ head -1 /etc/passwd
root:x:0:0:root:/root:/bin/bash

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15841 including how to make donations to the Project Gutenberg Literary
15842 Archive Foundation, how to help produce our new eBooks, and how to
15843 subscribe to our email newsletter to hear about new eBooks.
15844
15845
reaper@cis106:~$ cat -n ~/Documents/Books/dracula.txt
```

## Practice 2

```
reaper@cis106:~$ cut -d":" -f1 /etc/passwd
root
daemon
bin
sys
sync
games
man
lp
mail
news
uucp
proxy
www-data
```

```
reaper@cis106:~$ 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
```

```
saned > /var/lib/saned > /usr/sbin/nologin
colord > /var/lib/colord > /usr/sbin/nologin
geoclue > /var/lib/geoclue > /usr/sbin/nologin
pulse > /run/pulse > /usr/sbin/nologin
gnome-initial-setup > /run/gnome-initial-setup/ > /bin/false
hplip > /run/hplip > /bin/false
gdm > /var/lib/gdm3 > /bin/false
reaper > /home/reaper > /bin/bash
vboxadd > /var/run/vboxadd > /bin/false
_flatpak > /nonexistent > /usr/sbin/nologin
lightdm > /var/lib/lightdm > /bin/false
reaper@cis106:~$ cut -d":" -f1,6,7 /etc/passwd --output-delimiter=" > " /etc/passwd
```

```
Special K;K;C;110;6;0;230;1;16;3;55;25;1;1;1;53.131324
Strawberry Fruit Wheats;N;C;90;2;0;15;3;15;5;90;25;2;1;1;59.363993
Total Corn Flakes;G;C;110;2;1;200;0;21;3;35;100;3;1;1;38.839746
Total Raisin Bran;G;C;140;3;1;190;4;15;14;230;100;3;1.5;1;28.592785
Total Whole Grain;G;C;100;3;1;200;3;16;3;110;100;3;1;1;46.658844
Triples;G;C;110;2;1;250;0;21;3;60;25;3;1;0.75;39.106174
Trix;G;C;110;1;1;140;0;13;12;25;25;2;1;1;27.753301
Wheat Chex;R;C;100;3;1;230;3;17;3;115;25;1;1;0.67;49.787445
Wheaties;G;C;100;3;1;200;3;17;3;110;25;1;1;1;51.592193
Wheaties Honey Gold;G;C;110;2;1;200;1;16;8;60;25;1;1;0.75;36.187559
reaper@cis106:~$ cut -d":" -f1 ~/Documents/Csv/cereal.csv
```

```

Rice Krispies calories 110
Shredded Wheat calories 80
Shredded Wheat 'n'Bran calories 90
Shredded Wheat spoon size calories 90
Smacks calories 110
Special K calories 110
Strawberry Fruit Wheats calories 90
Total Corn Flakes calories 110
Total Raisin Bran calories 140
Total Whole Grain calories 100
Triples calories 110
Trix calories 110
Wheat Chex calories 100
Wheaties calories 100
Wheaties Honey Gold calories 110
reaper@cis106:~$ cut -d";" -f1,4 --output-delimiter=" calories " ~/Documents/Csv/cereal.csv

```

## Practice 3

```

Volkswagen Rabbit Custom;31.9;4;89.00;71.00;1925.;14.0;79;Europe
Volkswagen Rabbit Custom Diesel;43.1;4;90.00;48.00;1985.;21.5;78;Europe
Volkswagen Rabbit l;36.0;4;105.0;74.00;1980.;15.3;82;Europe
Volkswagen Scirocco;31.5;4;89.00;71.00;1990.;14.9;78;Europe
Volkswagen Super Beetle 117;0;4;97.00;48.00;1978.;20.0;71;Europe
Volkswagen Super Beetle;26.0;4;97.00;46.00;1950.;21.0;73;Europe
Volkswagen Type 3;23.0;4;97.00;54.00;2254.;23.5;72;Europe
Volvo 144ea;19.0;4;121.0;112.0;2868.;15.5;73;Europe
Volvo 145e (sw);18.0;4;121.0;112.0;2933.;14.5;72;Europe
Volvo 244DL;22.0;4;121.0;98.00;2945.;14.5;75;Europe
Volvo 245;20.0;4;130.0;102.0;3150.;15.7;76;Europe
Volvo 264gl;17.0;6;163.0;125.0;3140.;13.6;78;Europe
Volvo Diesel;30.7;6;145.0;76.00;3160.;19.6;81;Europe
reaper@cis106:~$ sort ~/Documents/Csv/cars.csv

```

```

Volvo 245;20.0;4;130.0;102.0;3150.;15.7;76;Europe
Volvo 264gl;17.0;6;163.0;125.0;3140.;13.6;78;Europe
Volvo Diesel;30.7;6;145.0;76.00;3160.;19.6;81;Europe
reaper@cis106:~/Documents/Csv$ sort -o sorted_cars.csv cars.csv

```

```

reaper@cis106:~/Documents/Csv$ wc -l sorted_cars.csv
408 sorted_cars.csv

```

```

reaper@cis106:~/Documents/Csv$ wc -m sorted_cars.csv
22663 sorted_cars.csv

```

```

Volvo 144ea;19.0;4;121.0;112.0;2868.;15.5;73;Europe
Volvo 145e (sw);18.0;4;121.0;112.0;2933.;14.5;72;Europe
Volvo 244DL;22.0;4;121.0;98.00;2945.;14.5;75;Europe
Volvo 245;20.0;4;130.0;102.0;3150.;15.7;76;Europe
Volvo 264gl;17.0;6;163.0;125.0;3140.;13.6;78;Europe
Volvo Diesel;30.7;6;145.0;76.00;3160.;19.6;81;Europe
reaper@cis106:~/Documents/Csv$ cat sorted_cars.csv | tr ':' ' ',

```

## Practice 4

```
14187:lover to any of them. She began at length to recover, to fidget about in
14208:But, my dearest love, tell me what dish Mr. Darcy is particularly fond
14246:Darcy to account for his having ever fallen in love with her. "How could
14273:of _that_ when they fall in love."
14314:for she loves to be of use. But tell me, what did you come down to
14319:might ever hope to make you love me. My avowed one, or what I avowed to
14353:only smiles, I laugh. Mr. Darcy sends you all the love in the world that
14380:being loved by her sister.
14478: "I wish you joy. If you love Mr. Darcy half so well as I do my dear
14519:was exactly what Darcy had hoped to see. They were able to love each
14544:as well as Elizabeth, really loved them; and they were both ever
reaper@cis106:~/Documents/Books$ grep -in "love" pride-and-prejudice.txt
```



```
reaper@cis106:~/Documents/Books$ grep -ic "love" pride-and-prejudice.txt
131
```

```
reaper@cis106:~/Documents/Books$ grep -ivc "love" pride-and-prejudice.txt
14774
```

```
reaper@cis106:~/Documents/Books$ grep -io "love" pride-and-prejudice.txt | wc -l
135
```

```
reaper@cis106:~/Documents/Books$ grep -i "^dracula" dracula.txt
DRACULA
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
```

```
reaper@cis106:~/Documents/Books$ grep -Ec "bash|zsh|fish" /etc/passwd
2
```

```
reaper@cis106:~/Documents/Books$ grep -Ecv "bash|zsh|fish" /etc/passwd
49
```