

Week Report 7

Practice 1

```
federico-silva@federico-silva-VMware-Virtual-Platform:~$ 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
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
games:x:5:60:games:/usr/games:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
sys:x:3:3:sys:/dev:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
root:x:0:0:root:/root:/bin/bash
```

```
federico-silva@federico-silva-VMware-Virtual-Platform:~$ tac /etc/passwd
```

```
federico-silva@federico-silva-VMware-Virtual-Platform:~$ 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 news:x:12:12:news:/bin:/usr/sbin/nologin$
```

```
federico-silva@federico-silva-VMware-Virtual-Platform:~$ 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
```

```
federico-silva@federico-silva-VMware-Virtual-Platform:~$
```

```
federico-silva@federico-silva-VMware-Virtual-Platform:~$ tail -5 /etc/passwd
```

```
nm-openvpn:x:121:122:NetworkManager OpenVPN,,,:/var/lib/openvpn/chroot:/usr/sbin/nologin
federico-silva:x:1000:1000:Federico Silva:/home/federico-silva:/bin/bash
_flatpak:x:122:124:Flatpak system-wide installation helper,,,:/nonexistent:/usr/sbin/nologin
snapd-range-524288-root:x:524288:524288:./nonexistent:/usr/bin/false
snap_daemon:x:584788:584788:./nonexistent:/usr/bin/false
federico-silva@federico-silva-VMware-Virtual-Platform:~$
```

```
federico-silva@federico-silva-VMware-Virtual-Platform:~$ tail -1 /etc/passwd
snap_daemon:x:584788:584788::/nonexistent:/usr/bin/false
federico-silva@federico-silva-VMware-Virtual-Platform:~$
```

```
federico-silva@federico-silva-VMware-Virtual-Platform:~$ head -1 /etc/passwd
root:x:0:0:root:/root:/bin/bash
federico-silva@federico-silva-VMware-Virtual-Platform:~$
```

```
15835 edition.
15836
15837 Most people start at our website which has the main PG search
15838 facility: www.gutenberg.org.
15839
15840 This website includes information about Project Gutenberg™,
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
federico-silva@federico-silva-VMware-Virtual-Platform:~$ cat -n ~/Documents/Books/dracula.txt
```

Practice 2

Tilix: federico-silva@federico-silva-VMware-Virtual-Platform: ~

1: federico-silva@federico-silva-VMware-Virtual-Platform: ~

```
federico-silva@federico-silva-VMware-Virtual-Platform:~$ cut -d":" -f1 /etc/passwd
root
daemon
bin
sys
sync
games
man
lp
```

5: federico-silva@federico-silva-VMware-Virtual-Platform: ~

```
federico-silva@federico-silva-VMware-Virtual-Platform:~$ cut -d":" -f4 --output-delimiter=" " ~/Documents/Csv/cereal.csv
calories
Int
70
120
70
50
110
```

2: federico-silva@federico-silva-VMware-Virtual-Platform: ~

```
federico-silva@federico-silva-VMware-Virtual-Platform:~$ 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
```

4: federico-silva@federico-silva-VMware-Virtual-Platform: ~

```
federico-silva@federico-silva-VMware-Virtual-Platform:~$ 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
```

3: federico-silva@federico-silva-VMware-Virtual-Platform: ~

```
federico-silva@federico-silva-VMware-Virtual-Platform:~$ cut -d":" -f1 ~/Documents/Csv/cereal.csv
name
String
100% Bran
100% Natural Bran
All-Bran
All-Bran with Extra Fiber
Almond Delight
Apple Cinnamon Cheerios
Apple Jacks
Basic 4
Bran Chex
Bran Flakes
Cap'n Crunch
Cheerios
Cinnamon Toast Crunch
Clusters
Cocoa Puffs
Corn Chex
Corn Flakes
Corn Pops
Count Chocula
Cracklin' Oat Bran
Cream of Wheat (Quick)
Crispix
Crispy Wheat & Raisins
```

Practice 3

```

1/1 v + t q
Tilix: federico-silva@federico-silva-VMware-Virtual-Platform: ~/Documents/Csv

federico-silva@federico-silva-VMware-Virtual-Platform:~$ sort ~/Documents/Csv/cars.csv
AMC Ambassador Brougham;13.0;8;360.0;175.0;3821.;11.0;73;US
AMC Ambassador DPL;15.0;8;390.0;190.0;3850.;8.5;70;US
AMC Ambassador SST;17.0;8;304.0;150.0;3672.;11.5;72;US
AMC Concord;19.4;6;232.0;90.00;3210.;17.2;78;US
AMC Concord;24.3;4;151.0;90.00;3003.;20.1;80;US
AMC Concord d/l;18.1;6;258.0;120.0;3410.;15.1;78;US
AMC Concord DL;23.0;4;151.0;8;3035.;20.5;82;US
AMC Concord DL 6;20.2;6;232.0;90.00;3265.;18.2;79;US
AMC Gremlin;18.0;6;232.0;100.0;2789.;15.0;73;US
AMC Gremlin;19.0;6;232.0;100.0;2634.;13.0;71;US
AMC Gremlin;20.0;6;232.0;100.0;2914.;16.0;75;US
AMC Gremlin;21.0;6;199.0;90.00;2648.;15.0;70;US
AMC Hornet;18.0;6;199.0;97.00;2774.;15.5;70;US
AMC Hornet;18.0;6;232.0;100.0;2945.;16.0;73;US
AMC Hornet;19.0;6;232.0;100.0;2901.;16.0;74;US
AMC Hornet;22.5;6;232.0;90.00;3085.;17.6;76;US
AMC Hornet Sportabout (sw);18.0;6;258.0;110.0;2962.;13.5;71;US

z: federico-silva@federico-silva-VMware-Virtual-Platform: ~/Documents/Csv v
federico-silva@federico-silva-VMware-Virtual-Platform:~$ cd ~/Documents/Csv/ && sort -o sorted_cars.csv cars.csv
federico-silva@federico-silva-VMware-Virtual-Platform:~/Documents/Csv$ wc -l sorted_cars.csv
408 sorted_cars.csv
federico-silva@federico-silva-VMware-Virtual-Platform:~/Documents/Csv$ wc -m sorted_cars.csv
22663 sorted_cars.csv
federico-silva@federico-silva-VMware-Virtual-Platform:~/Documents/Csv$ cat sorted_cars.csv | tr ';' ','
AMC Ambassador Brougham,13.0,8,360.0,175.0,3821.,11.0,73,US
AMC Ambassador DPL,15.0,8,390.0,190.0,3850.,8.5,70,US
AMC Ambassador SST,17.0,8,304.0,150.0,3672.,11.5,72,US
AMC Concord,19.4,6,232.0,90.00,3210.,17.2,78,US
AMC Concord,24.3,4,151.0,90.00,3003.,20.1,80,US
AMC Concord d/l,18.1,6,258.0,120.0,3410.,15.1,78,US
AMC Concord DL,23.0,4,151.0,8,3035.,20.5,82,US
AMC Concord DL 6,20.2,6,232.0,90.00,3265.,18.2,79,US
AMC Gremlin,18.0,6,232.0,100.0,2789.,15.0,73,US
AMC Gremlin,19.0,6,232.0,100.0,2634.,13.0,71,US
AMC Gremlin,20.0,6,232.0,100.0,2914.,16.0,75,US
AMC Gremlin,21.0,6,199.0,90.00,2648.,15.0,70,US

```

Practice 4

```

federico-silva@federico-silva-VMware-Virtual-Platform:~$ cd ~/Documents/Books/
federico-silva@federico-silva-VMware-Virtual-Platform:~/Documents/Books$ ls
bible.txt dracula.txt great-expectations.txt pride-and-prejudice.txt war-and-peace.txt
federico-silva@federico-silva-VMware-Virtual-Platform:~/Documents/Books$ grep -in "love" pride-and-prejudice.txt
71:by allowance" and "loving with personal love." This distinction applies
75:to their best work than in the case of those others who are loved "by
77:proper thing to love them. And in the sect--fairly large and yet
125:All the minor passages--the loves of Jane and Bingley, the advent of Mr.
138:aversion to actual love. I do not know whether the all-grasping hand of
368:his falling in love at all is not extremely probable. Here again I
380:injured in disposition, and thoroughly in love. As for his being in
381:love, Elizabeth has given as just an exposition of the causes of that

```

```

federico-silva@federico-silva-VMware-Virtual-Platform:~/Documents/Books$ grep -ic "love" pride-and-prejudice.txt
131
federico-silva@federico-silva-VMware-Virtual-Platform:~/Documents/Books$ grep -ivc "love" pride-and-prejudice.txt
14402
federico-silva@federico-silva-VMware-Virtual-Platform:~/Documents/Books$ grep -io "love" love.txt | wc -1
grep: love.txt: No such file or directory
wc: invalid option -- '1'
Try 'wc --help' for more information.
federico-silva@federico-silva-VMware-Virtual-Platform:~/Documents/Books$ grep -io "love" love.txt | wc -l
grep: love.txt: No such file or directory
0
federico-silva@federico-silva-VMware-Virtual-Platform:~/Documents/Books$ ls
bible.txt dracula.txt great-expectations.txt pride-and-prejudice.txt war-and-peace.txt
federico-silva@federico-silva-VMware-Virtual-Platform:~/Documents/Books$

```

```

federico-silva@federico-silva-VMware-Virtual-Platform:~/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

```

federico-silva@federico-silva-VMware-Virtual-Platform:~/Documents/Books$ grep -Ec "bash|zsh|fish" /etc/passwd
2

```

```

federico-silva@federico-silva-VMware-Virtual-Platform:~/Documents/Books$ grep -Ec "bash|zsh|fish" /etc/passwd
2

```

```

federico-silva@federico-silva-VMware-Virtual-Platform:~/Documents/Books$ grep -Ec "bash|zsh|fish" /etc/passwd
50

```

```

federico-silva@federico-silva-VMware-Virtual-Platform:~/Documents/Books$

```