

Week Report 7

Practice 1

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Tilix: adriktech25@cis106: ~  
1: adriktech25@cis106: ~  
37 fwupd-refresh:x:989:989:Firmware update daemon:/var/lib/fwupd:/usr/sbin/nologin$  
38 saned:x:113:116::/var/lib/saned:/usr/sbin/nologin$  
39 geoclue:x:114:117::/var/lib/geoclue:/usr/sbin/nologin$  
40 cups-browsed:x:115:114::/nonexistent:/usr/sbin/nologin$  
41 hplip:x:116:7:HPLIP system user,,,:/run/hplip:/bin/false$  
42 gnome-remote-desktop:x:988:988:GNOME Remote Desktop:/var/lib/gnome-remote-desktop:/usr/sbin/nologin$  
43 polkitd:x:987:987:User for polkitd:/usr/sbin/nologin$  
44 rtkit:x:117:119:RealtimeKit,,,:/proc:/usr/sbin/nologin$  
45 colord:x:118:120:colord colour management daemon,,,:/var/lib/colord:/usr/sbin/nologin$  
46 gnome-initial-setup:x:119:65534::/run/gnome-initial-setup:/bin/false$  
47 gdm:x:120:121:Gnome Display Manager:/var/lib/gdm3:/bin/false$  
48 nm-openvpn:x:121:122:NetworkManager OpenVPN,,,:/var/lib/openvpn/chroot:/usr/sbin/nologin$  
49 adriktech25:x:1000:1000: adriktech25:/home/adriktech25:/bin/bash$  
50 vboxadd:x:997:1::/var/run/vboxadd:/bin/false$  
adriktech25@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  
sync:x:4:65534:sync:/bin:/bin/sync  
adriktech25@cis106:~$ tail -5 /etc/passwd  
gnome-initial-setup:x:119:65534::/run/gnome-initial-setup:/bin/false  
gdm:x:120:121:Gnome Display Manager:/var/lib/gdm3:/bin/false  
nm-openvpn:x:121:122:NetworkManager OpenVPN,,,:/var/lib/openvpn/chroot:/usr/sbin/nologin  
adriktech25:x:1000:1000: adriktech25:/home/adriktech25:/bin/bash  
vboxadd:x:997:1::/var/run/vboxadd:/bin/false  
adriktech25@cis106:~$ tail -1 /etc/passwd  
vboxadd:x:997:1::/var/run/vboxadd:/bin/false  
adriktech25@cis106:~$ head -1 /etc/passwd  
root:x:0:0:root:/root:/bin/bash  
adriktech25@cis106:~$ cat -n ~/Documents/Books/dracula.txt
```

Practice 2

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Tilix: adriktech25@cis106: ~
1: adriktech25@cis106: ~
adriktech25@cis106:~$ cut -d ':' -f1 /etc/passwd
root
daemon
bin
sys
sync
games
man
lp
mail
news
uucp
proxy
www-data
backupn

3: adriktech25@cis106: ~
adriktech25@cis106:~$ 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

... driktech25@cis106: ~
adriktech25@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
list:/var/list
irc:/run/ircd
_apt:/nonexistent
nobody:/nonexistent

...driktech25@cis106:~$ cut -d ':' -f1,4 --output-delimiter=
" > " ~/Documents/Csv/cereal.csv
csv
name;mfr;type;calories;protein;fat;sodium;fiber;carbo;suga
rs;potass;vitamins;shelf;weig
ht;cups;rating
String;Categorical;Categorica
l;Int;Int;Int;Int;Float;Float
;Int;Int;Int;Int;Float;Float;
Float
100% Bran;N;C;70;4;1;130;10;5
;6;280;25;3;1;0.33;68.402973
100% Natural Bran;Q;C;120;3;5
;15;2;8;8;135;0;3;1;1;33.9836
79
All-Bran;K;C;70;4;1;260;9;7;5
;320;25;3;1;0.33;59.425505
All-Bran with Extra Fiber;K;C
;50;4;0;140;14;8;0;330;25;3;1
4: adriktech25@cis106: ~
adriktech25@cis106:~$ cut -d ':' -f1 ~/Documents/Csv/cereal.csv
csv
name;mfr;type;calories;protein;fat;sodium;fiber;carbo;sugars
;potass;vitamins;shelf;weight;cups;rating
String;Categorical;Categorical;Int;Int;Int;Int;Float;Float;I
nt;Int;Int;Int;Float;Float;Float
100% Bran;N;C;70;4;1;130;10;5;6;280;25;3;1;0.33;68.402973
100% Natural Bran;Q;C;120;3;5;15;2;8;8;135;0;3;1;1;33.983679
All-Bran;K;C;70;4;1;260;9;7;5;320;25;3;1;0.33;59.425505

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Practice 3

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May 7 20:48
Tilix: adriktech25@cis106: ~/Documents/Csv
1: adriktech25@cis106: ~
adriktech25@cis106:~$ 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;0;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
AMC Matador;14.0;8;304.0;150.0;3672.;11.5;73;US
AMC Matador;15.0;6;258.0;110.0;3730.;19.0;73;US
AMC Matador;15.5;8;304.0;120.0;3962.;13.9;76;US
AMC Matador;16.0;6;258.0;110.0;3632.;18.0;74;US
AMC Matador;18.0;6;232.0;100.0;3288.;15.5;71;US
AMC Matador (sw);14.0;8;304.0;150.0;4257.;15.5;74;US
AMC Matador (sw);15.0;8;304.0;150.0;3892.;12.5;72;US
AMC Pacer;19.0;6;232.0;90.00;3211.;17.0;75;US
AMC Pacer d/l;17.5;6;258.0;95.00;3193.;17.8;76;US
AMC Rebel SST;16.0;8;304.0;150.0;3433.;12.0;70;US
AMC Rebel SST (sw);0;8;360.0;175.0;3850.;11.0;70;US
AMC Spirit DL;27.4;4;121.0;80.00;2670.;15.0;79;US

2: adriktech25@cis106: ~/Documents/Csv
adriktech25@cis106:~/Documents/Csv$ sort -o sorted_cars.csv
cars.csv
adriktech25@cis106:~/Documents/Csv$ ls
cars.csv  contacts.csv  film.csv
cereal.csv  country.csv  sorted_cars.csv
adriktech25@cis106:~/Documents/Csv$ wc -l sorted_cars.csv
408 sorted_cars.csv
adriktech25@cis106:~/Documents/Csv$ wc -m sorted_cars.csv
22663 sorted_cars.csv
adriktech25@cis106:~/Documents/Csv$ cat sorted_cars.csv | tr
';' ','
Command 'tr;' not found, did you mean:
  command 'trf' from deb coreutils (9.4-2ubuntu2)
  command 'trf' from deb trf (4.09.1-6)
  command 'trn' from deb trn4 (4.0-test77-16)
  command 'tre' from deb tre-command (0.4.0-4)
  command 'trs' from deb konwert (1.8-13.2)
Try: sudo apt install <deb name>
adriktech25@cis106:~/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;0;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

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Practice 4

```
Tilix: adriktech25@cis106: ~/Documents/Books

1: adriktech25@cis106: ~/Documents/Books
adriktech25@cis106:~/Documents/Books$ grep -in "love" pride-
and-prejudice.txt
71:by allowance" and "loving with personal love." This disti
nction applies
75:to their best work than in the case of those others who a
re 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, t
he advent of Mr.
138:aversion to actual love. I do not know whether the all-g
rasping hand of
368:his falling in love at all is not extremely probable. He
re again I
380:injured in disposition, and thoroughly in love. As for h
is being in
381:love, Elizabeth has given as just an exposition of the c
auses of that
433:anybody who can read between lines will not find the lov
ers'
442:ladies with whom it might be a pleasure to fall in love;
there are at
446:Grant. I should have been most in love with Beatrix and
Argemone; I
547:"So much love and eloquence"
156
728:_may_ fall in love with one of them, and therefore you m
ust visit him as
893:persuade you at last. I was sure you loved your girls to
o well to
905:for your sakes we would do anything. Lydia, my love, tho

2: adriktech25@cis106: ~/Documents/Books
e to love each
14516:as well as Elizabeth, really loved them; and they were
both ever
adriktech25@cis106:~/Documents/Books$ grep -ic "love" pride-
and-prejudice.txt
131
adriktech25@cis106:~/Documents/Books$ grep -ivc "love" pride-
and-prejudice.txt
14402
adriktech25@cis106:~/Documents/Books$ grep -io "love" pride-
and-prejudice.txt | wc -l
135
adriktech25@cis106:~/Documents/Books$ grep -i "^dracula" dra
cula.txt
DRACULA
Dracula, jumping to his feet, said:--
Dracula, as it may help me to understand. To-night he may ta
lk of
Dracula was speaking, there was that in his eyes and in his
bearing
Dracula." I suspected him, and determined to test his sincer
ity.
Dracula we should go by Galatz, or at any rate through Bucha
rest, so I
adriktech25@cis106:~/Documents/Books$ grep -Ec "bash|zsh|fis
h" /etc/passwd
2
adriktech25@cis106:~/Documents/Books$ grep -Ec "bash|zsh|fi
sh" /etc/passwd
48
adriktech25@cis106:~/Documents/Books$
```