

Week Report 7

Practice 1

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Tilix: otzi@cis106: ~

1: otzi@cis106: ~
otzi@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

2: otzi@cis106: ~
otzi@cis106:~$ tac /etc/passwd
mysql:x:132:139:MySQL Server,,,:/nonexistent:/bin/false
tomcat:x:998:998:Apache Tomcat:/var/lib/tomcat:/usr/sbin/nologin
snap_daemon:x:584788:584788:/:/usr/bin/false
snapd-range-524288-root:x:524288:524288:/:/nonexistent:/usr/bin/false
snap_daemon:x:131:138:Flatpak system-wide installation helper,,,:/nonexistent:/usr/sbin/nologin
xrdp:x:130:135:/:run/xrdp:/usr/sbin/nologin
gdm:x:129:134:Gnome Display Manager:/var/lib/gdm3:/bin/false
hplip:x:128:7:HPLIP system user,,,:/run/hplip:/bin/false
gnome-initial-setup:x:127:65534:/:run/gnome-initial-setup:/bin/false
pulse:x:126:132:PulseAudio daemon,,,:/run/pulse:/usr/sbin/nologin
geoclue:x:125:131:/:var/lib/geoclue:/usr/sbin/nologin

3: otzi@cis106: ~
otzi@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$

4: otzi@cis106: ~
otzi@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
otzi@cis106:~$ tail -5 /etc/passwd
_flatpak:x:131:138: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
tomcat:x:998:998:Apache Tomcat:/var/lib/tomcat:/usr/sbin/nologin
mysql:x:132:139:MySQL Server,,,:/nonexistent:/bin/false
otzi@cis106:~$ tail -1 /etc/passwd
mysql:x:132:139:MySQL Server,,,:/nonexistent:/bin/false
otzi@cis106:~$ head -1 /etc/passwd
root:x:0:0:root:/root:/bin/bash
otzi@cis106:~$ cat -l ~/Documents/Books/dracula.txt
cat: invalid option -- 'l'
Try 'cat --help' for more information.
otzi@cis106:~$ wc -l dracula.txt
wc: dracula.txt: No such file or directory
otzi@cis106:~$ wc -l ~/Documents/Books/dracula.txt
15845 ~/Documents/Books/dracula.txt
otzi@cis106:~$

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Practice 2

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Activities Tilix May 10 19:14
Tilix: otzi@cis106: ~

1: otzi@cis106: ~
otzi@cis106:~$ cut -d":" -f1 /etc/passwd
root
daemon
bin
sys
sync
games
man
lp
mail

2: otzi@cis106: ~
otzi@cis106:~$ 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

3: otzi@cis106: ~
otzi@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

4: otzi@cis106: ~
otzi@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

5: otzi@cis106: ~
otzi@cis106:~$ cut -d";" -f1,4 --output-delimiter=" calories = " ~/Documents/Csv/cereal.csv
name calories = calories
String calories = Int
100% Bran calories = 70
100% Natural Bran calories = 120
All-Bran calories = 70
All-Bran with Extra Fiber calories = 50
Almond Delight calories = 110
Apple Cinnamon Cheerios calories = 110
Apple Jacks calories = 110
Basic 4 calories = 130
Bran Chex calories = 90
Bran Flakes calories = 90
Cap'n Crunch calories = 120
Cheerios calories = 110
Cinnamon Toast Crunch calories = 120
Clusters calories = 110
Cocoa Puffs calories = 110
Corn Chex calories = 110
Corn Flakes calories = 100

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Practice 3

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1/1 + [ ] [ ] [ ]
Tilix: otzi@cis106: ~/Documents/Csv

1: otzi@cis106: ~
otzi@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;90.00;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;75;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
Audi 100LS;20.0;4;114.0;91.00;2582.;14.0;73;Europe
Audi 100LS;23.0;4;115.0;95.00;2694.;15.0;75;Europe

2: otzi@cis106: ~/Documents/Csv
otzi@cis106:~$ cd ~/Documents/Csv/ && sort -o sorted_cars.csv cars.csv
otzi@cis106:~/Documents/Csv$ wc -l sorted_cars.csv
408 sorted_cars.csv
otzi@cis106:~/Documents/Csv$ wc -m sorted_cars.csv
22663 sorted_cars.csv
otzi@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,23.0,4,151.0,90.00,3035.,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.,19.0,75,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

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Practice 4

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1/1 + [ ] [ ] [ ]
Tilix: otzi@cis106: ~/Documents/Books

1: otzi@cis106: ~/Documents/Books
otzi@cis106:~/Documents/Books$ grep -in "love" pride-and-prejudice.txt
75:by allowance" and "Loving with personal love." This distinction applies
79:to their best work than in the case of those others who are loved "by
81:proper thing to love them. And in the sect--fairly large and yet
129:All the minor passages--the loves of Jane and Binolev. the advent of Mr.

2: otzi@cis106: ~/Documents/Books
otzi@cis106:~/Documents/Books$ grep -ic "love" pride-and-prejudice.txt
131
otzi@cis106:~/Documents/Books$ grep -ivc "love" pride-and-prejudice.txt
14406
otzi@cis106:~/Documents/Books$ grep -io "love" pride-and-prejudice.txt
love
love
love
love

3: otzi@cis106: ~/Documents/Books
otzi@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
otzi@cis106:~/Documents/Books$ grep -Ec "bash|zsh|fish" /etc/passwd
2
otzi@cis106:~/Documents/Books$ grep -Ec "bash|zsh|fish" /etc/passwd
54
otzi@cis106:~/Documents/Books$

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