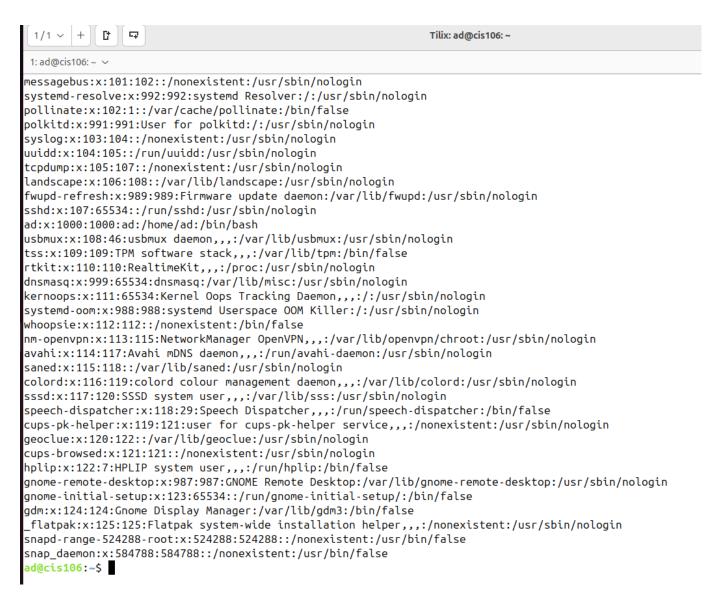
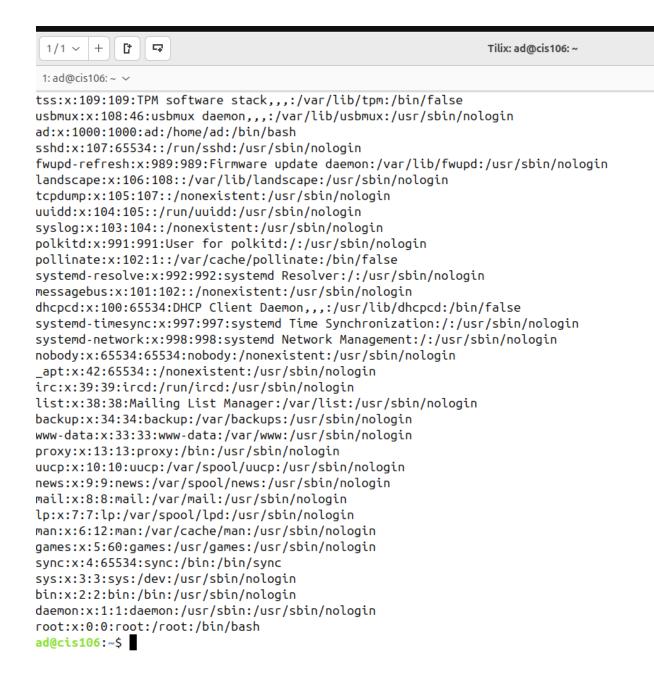
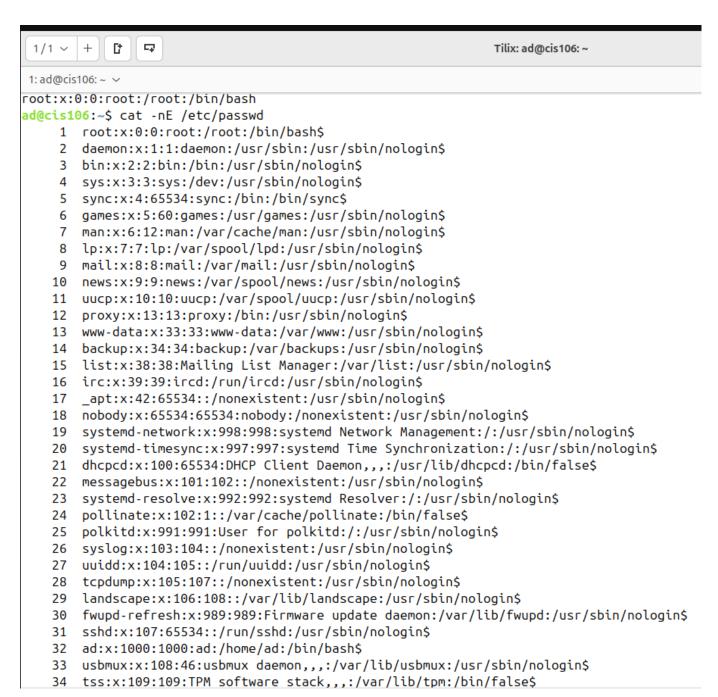
# Week Report 7

## Practice 1





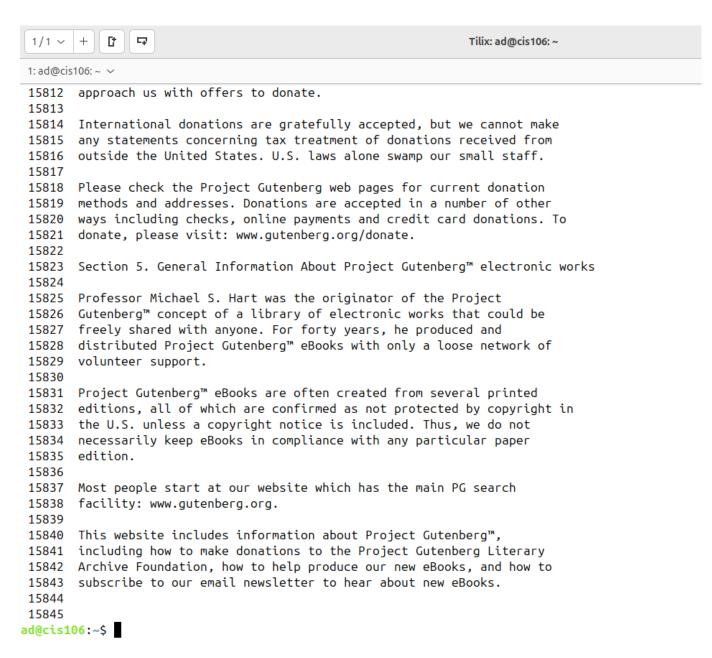


```
무
                               Tilix: ad@cis106: ~
1: ad@cis106: ~ ~
        cups-pk-helper:x:119:121:user for cups-pk-helper service,,,:/none
xistent:/usr/sbin/nologin$
        geoclue:x:120:122::/var/lib/geoclue:/usr/sbin/nologin$
    47
       cups-browsed:x:121:121::/nonexistent:/usr/sbin/nologin$
    48
    49
       hplip:x:122:7:HPLIP system user,,,:/run/hplip:/bin/false$
        gnome-remote-desktop:x:987:987:GNOME Remote Desktop:/var/lib/gnom
e-remote-desktop:/usr/sbin/nologin$
        gnome-initial-setup:x:123:65534::/run/gnome-initial-setup/:/bin/f
alse$
    52
        gdm:x:124:124:Gnome Display Manager:/var/lib/gdm3:/bin/false$
        _flatpak:x:125:125:Flatpak system-wide installation helper,,,:/no
nexistent:/usr/sbin/nologin$
    54
        snapd-range-524288-root:x:524288:524288::/nonexistent:/usr/bin/fa
lse$
        snap daemon:x:584788:584788::/nonexistent:/usr/bin/false$
ad@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
ad@cis106:~$
```

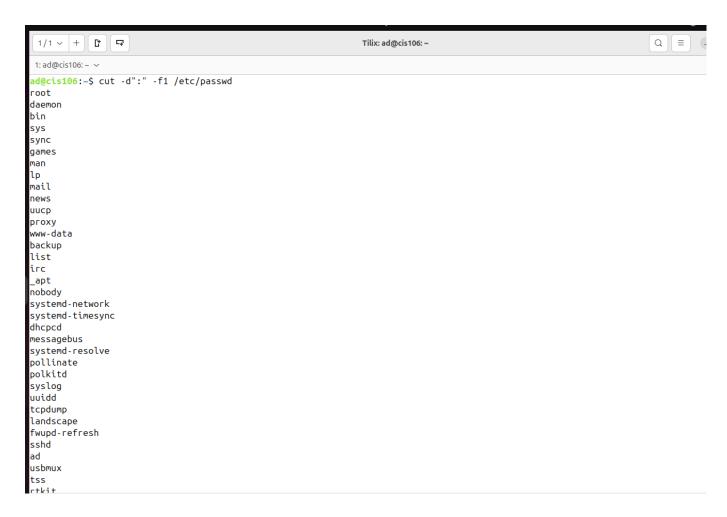
```
무
                               Tilix: ad@cis106: ~
                                                      Q
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            Γŧ.
                                                           \equiv
 1: ad@cis106: ~ ~
        gnome-initial-setup:x:123:65534::/run/gnome-initial-setup/:/bin/f
alse$
        gdm:x:124:124:Gnome Display Manager:/var/lib/gdm3:/bin/false$
        _flatpak:x:125:125:Flatpak system-wide installation helper,,,:/no
nexistent:/usr/sbin/nologin$
        snapd-range-524288-root:x:524288:524288::/nonexistent:/usr/bin/fa
lses
    55
        snap_daemon:x:584788:584788::/nonexistent:/usr/bin/false$
ad@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
ad@cis106:~$ tail -5 /etc/passwd
gnome-initial-setup:x:123:65534::/run/gnome-initial-setup/:/bin/false
gdm:x:124:124:Gnome Display Manager:/var/lib/gdm3:/bin/false
_flatpak:x:125:125:Flatpak system-wide installation helper,,,:/nonexisten
t:/usr/sbin/nologin
snapd-range-524288-root:x:524288:524288::/nonexistent:/usr/bin/false
snap_daemon:x:584788:584788::/nonexistent:/usr/bin/false
ad@cis106:~$
```

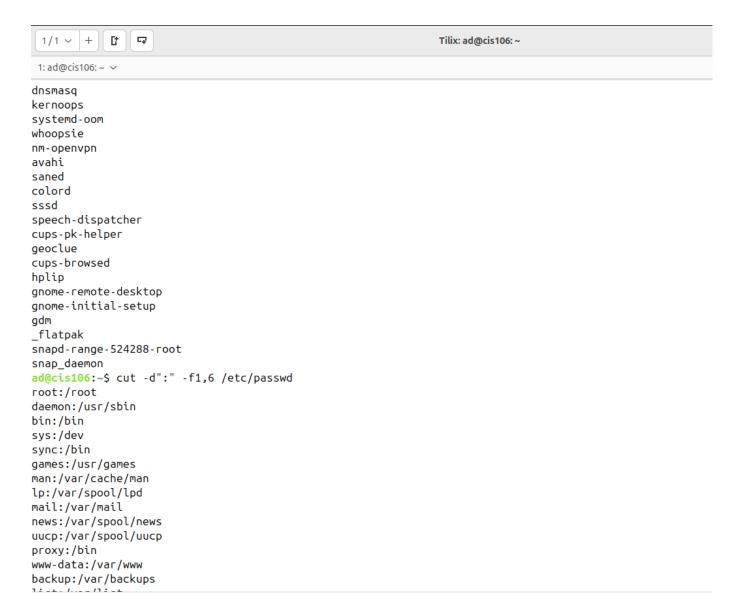
```
1/1 ~
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                               Tilix: ad@cis106: ~
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                                                           \equiv
                                                                   1: ad@cis106: ~ V
                                                                        ×
        gdm:x:124:124:Gnome Display Manager:/var/lib/gdm3:/bin/false$
    52
        _flatpak:x:125:125:Flatpak system-wide installation helper,,,:/no
nexistent:/usr/sbin/nologin$
        snapd-range-524288-root:x:524288:524288::/nonexistent:/usr/bin/fa
lse$
        snap daemon:x:584788:584788::/nonexistent:/usr/bin/false$
ad@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
ad@cis106:~$ tail -5 /etc/passwd
gnome-initial-setup:x:123:65534::/run/gnome-initial-setup/:/bin/false
gdm:x:124:124:Gnome Display Manager:/var/lib/gdm3:/bin/false
flatpak:x:125:125:Flatpak system-wide installation helper,,,:/nonexisten
t:/usr/sbin/nologin
snapd-range-524288-root:x:524288:524288::/nonexistent:/usr/bin/false
snap daemon:x:584788:584788::/nonexistent:/usr/bin/false
ad@cis106:~$ tail -1 /etc/passwd
snap_daemon:x:584788:584788::/nonexistent:/usr/bin/false
ad@cis106:~$
```

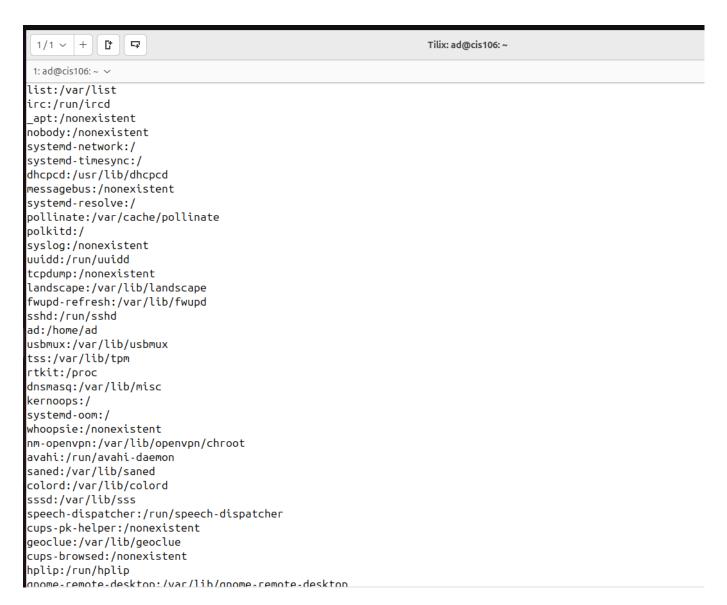
```
다
                               Tilix: ad@cis106: ~
 1/1 ~
            C†
                                                           \equiv
1: ad@cis106: ~ ~
nexistent:/usr/sbin/nologin$
        snapd-range-524288-root:x:524288:524288::/nonexistent:/usr
lses
        snap_daemon:x:584788:584788::/nonexistent:/usr/bin/false$
ad@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
ad@cis106:~$ tail -5 /etc/passwd
gnome-initial-setup:x:123:65534::/run/gnome-initial-setup/:/bin/fa
gdm:x:124:124:Gnome Display Manager:/var/lib/gdm3:/bin/false
flatpak:x:125:125:Flatpak system-wide installation helper,,,:/non-
t:/usr/sbin/nologin
snapd-range-524288-root:x:524288:524288::/nonexistent:/usr/bin/fal:
snap daemon:x:584788:584788::/nonexistent:/usr/bin/false
ad@cis106:~$ tail -1 /etc/passwd
snap daemon:x:584788:584788::/nonexistent:/usr/bin/false
ad@cis106:~$ head -1 /etc/passwd
root:x:0:0:root:/root:/bin/bash
ad@cis106:~$
```



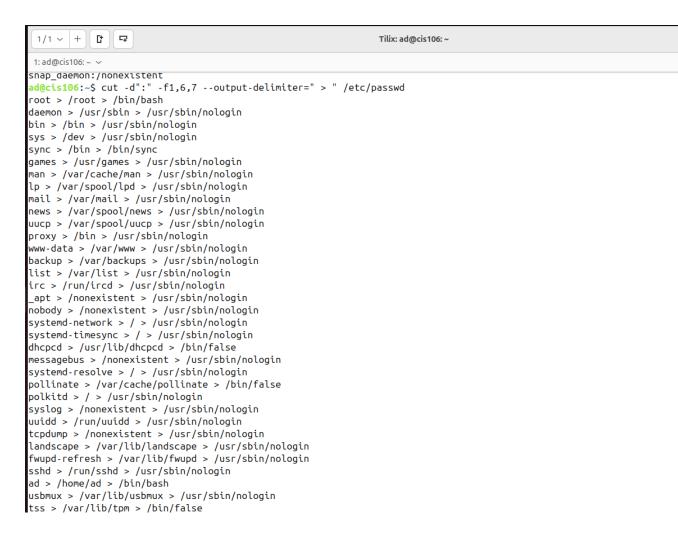
### Practice 2

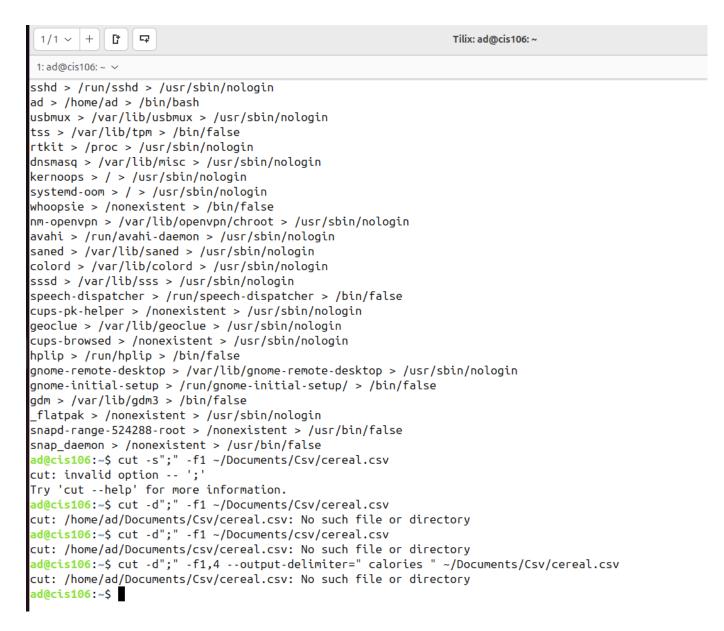




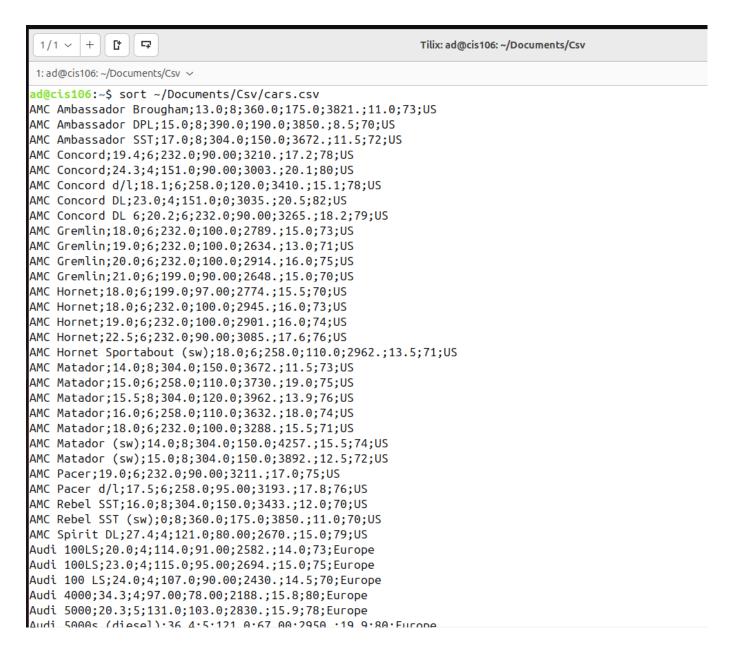


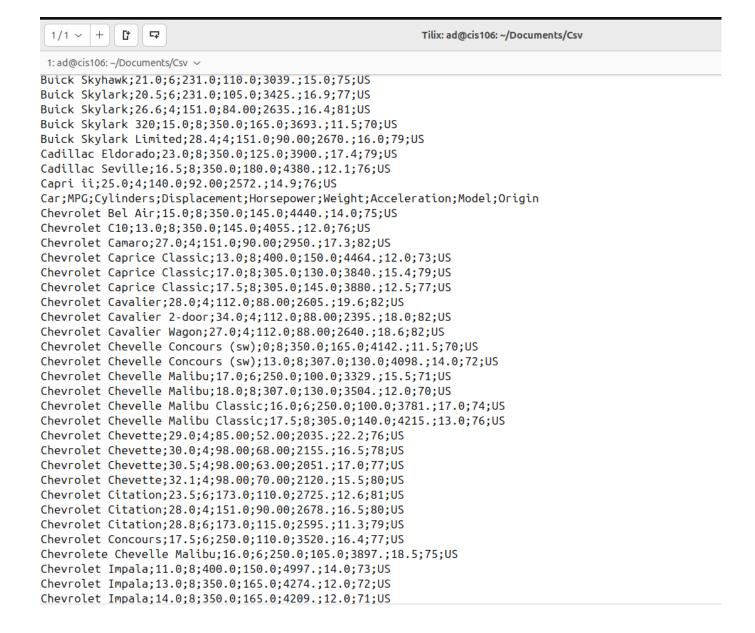
Q



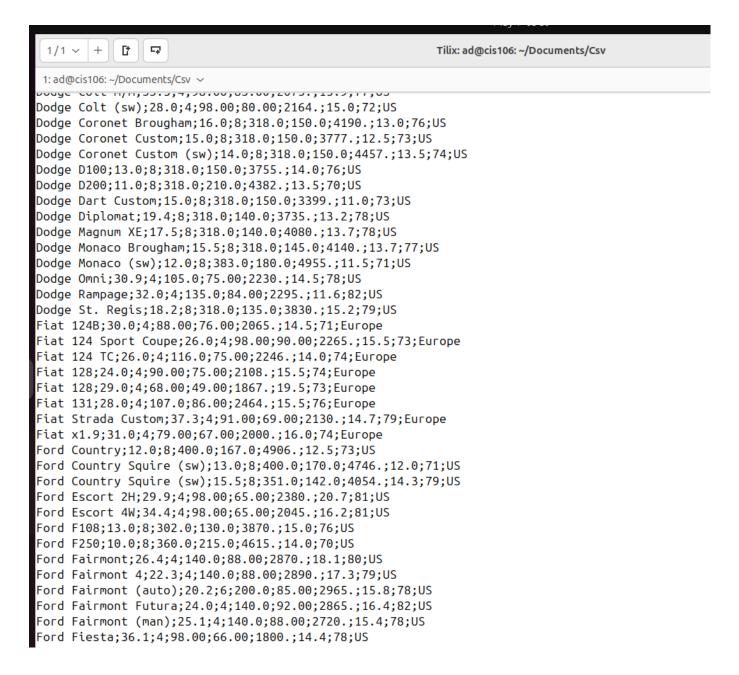


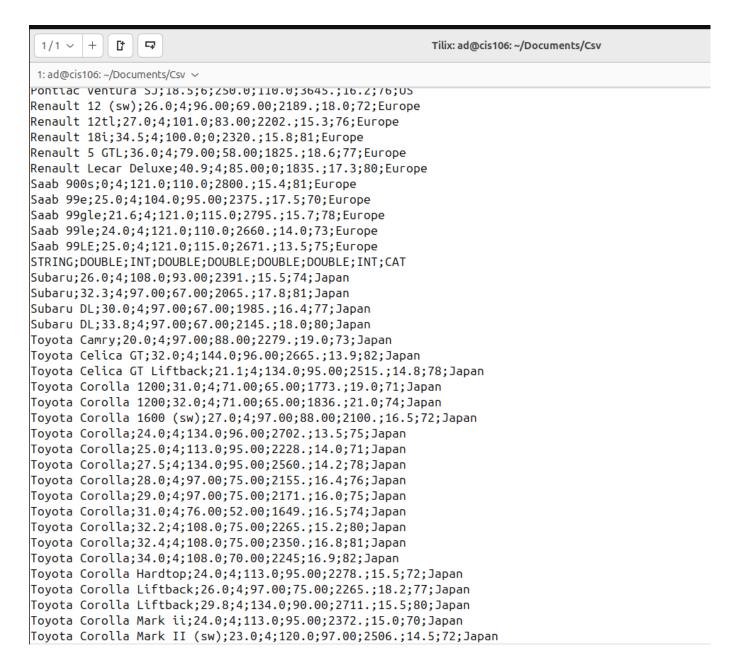
#### Practice 3

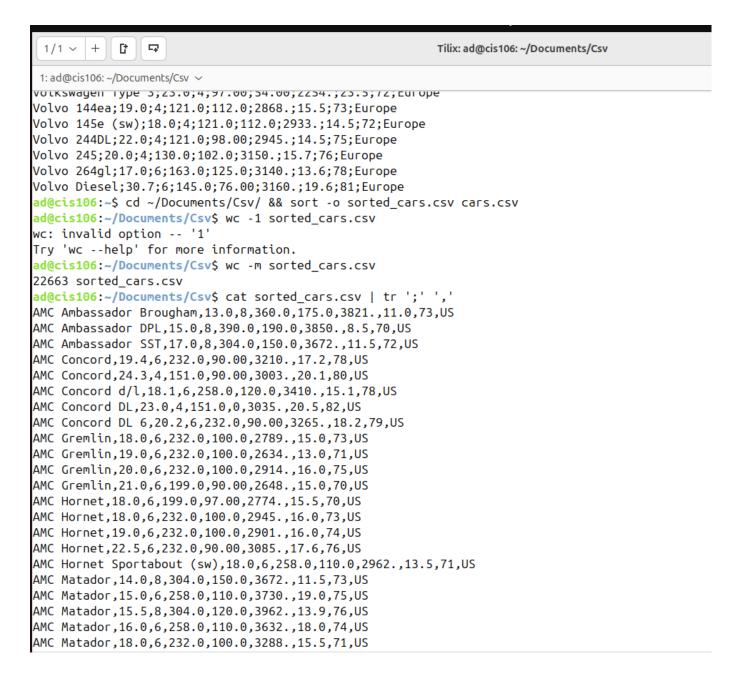




```
1/1 ~
                무
                                                           Tilix: ad@cis106: ~/Documents/Csv
1: ad@cis106: ~/Documents/Csv ~
Chevrolet Monte Carlo S;15.0;8;350.0;145.0;4082.;13.0;73;US
Chevrolet Monza 2+2;20.0;8;262.0;110.0;3221.;13.5;75;US
Chevrolet Nova; 15.0; 6; 250.0; 100.0; 3336.; 17.0; 74; US
Chevrolet Nova:18.0:6:250.0:105.0:3459.:16.0:75:US
Chevrolet Nova;22.0;6;250.0;105.0;3353.;14.5;76;US
Chevrolet Nova Custom; 16.0; 6; 250.0; 100.0; 3278.; 18.0; 73; US
Chevrolet Vega;20.0;4;140.0;90.00;2408.;19.5;72;US
Chevrolet Vega; 21.0; 4; 140.0; 72.00; 2401.; 19.5; 73; US
Chevrolet Vega 2300;28.0;4;140.0;90.00;2264.;15.5;71;US
Chevrolet Vega; 25.0; 4; 140.0; 75.00; 2542.; 17.0; 74; US
Chevrolet Vega (sw);22.0;4;140.0;72.00;2408.;19.0;71;US
Chevrolet Woody; 24.5; 4; 98.00; 60.00; 2164.; 22.1; 76; US
Chevy C20;10.0;8;307.0;200.0;4376.;15.0;70;US
Chevy S-10;31.0;4;119.0;82.00;2720.;19.4;82;US
Chrysler Cordoba; 15.5; 8; 400.0; 190.0; 4325.; 12.2; 77; US
Chrysler Lebaron Medallion; 26.0; 4; 156.0; 92.00; 2585.; 14.5; 82; US
Chrysler Lebaron Salon; 17.6; 6; 225.0; 85.00; 3465.; 16.6; 81; US
Chrysler Lebaron Town @ Country (sw);18.5;8;360.0;150.0;3940.;13.0;79;US
Chrysler Newport Royal;13.0;8;400.0;190.0;4422.;12.5;72;US
Chrysler New Yorker Brougham;13.0;8;440.0;215.0;4735.;11.0;73;US
Citroen DS-21 Pallas;0;4;133.0;115.0;3090.;17.5;70;Europe
Datsun 1200;35.0;4;72.00;69.00;1613.;18.0;71;Japan
Datsun 200-SX;23.9;4;119.0;97.00;2405.;14.9;78;Japan
Datsun 200SX;32.9;4;119.0;100.0;2615.;14.8;81;Japan
Datsun 210;31.8;4;85.00;65.00;2020.;19.2;79;Japan
Datsun 210;40.8;4;85.00;65.00;2110.;19.2;80;Japan
Datsun 210 MPG;37.0;4;85.00;65.00;1975.;19.4;81;Japan
Datsun 280-ZX;32.7;6;168.0;132.0;2910.;11.4;80;Japan
Datsun 310;37.2;4;86.00;65.00;2019.;16.4;80;Japan
Datsun 310 GX;38.0;4;91.00;67.00;1995.;16.2;82;Japan
Datsun 510;27.2;4;119.0;97.00;2300.;14.7;78;Japan
Datsun 510 Hatchback;37.0;4;119.0;92.00;2434.;15.0;80;Japan
Datsun 510 (sw);28.0;4;97.00;92.00;2288.;17.0;72;Japan
Datsun 610;22.0;4;108.0;94.00;2379.;16.5;73;Japan
Datsun 710;24.0;4;119.0;97.00;2545.;17.0;75;Japan
Dateur 710.32 0.4.83 00.61 00.2003 .10 0.74. Janan
```







```
1/1 ~
             Ľt
                                                             Tilix: ad@cis106: ~/Documents/C:
 1: ad@cis106: ~/Documents/Csv ~
Toyota Mark II,19.0,6,156.0,108.0,2930.,15.5,76,Japan
Toyota Mark II,20.0,6,156.0,122.0,2807.,13.5,73,Japan
Toyota Starlet, 39.1, 4, 79.00, 58.00, 1755., 16.9, 81, Japan
Toyota Tercel, 37.7,4,89.00,62.00,2050.,17.3,81, Japan
Triumph TR7 Coupe, 35.0, 4, 122.0, 88.00, 2500., 15.1, 80, Europe
Volkswagen 1131 Deluxe Sedan, 26.0, 4, 97.00, 46.00, 1835., 20.5, 70, Europe
Volkswagen 411 (sw),22.0,4,121.0,76.00,2511.,18.0,72,Europe
Volkswagen Dasher, 25.0, 4, 90.00, 71.00, 2223., 16.5, 75, Europe
Volkswagen Dasher, 26.0, 4, 79.00, 67.00, 1963., 15.5, 74, Europe
Volkswagen Dasher, 30.5, 4, 97.00, 78.00, 2190., 14.1, 77, Europe
Volkswagen Dasher (diesel),43.4,4,90.00,48.00,2335.,23.7,80,Europe
Volkswagen Jetta,33.0,4,105.0,74.00,2190.,14.2,81,Europe
Volkswagen Model 111,27.0,4,97.00,60.00,1834.,19.0,71,Europe
Volkswagen Pickup, 44.0, 4, 97.00, 52.00, 2130., 24.6, 82, Europe
Volkswagen Rabbit, 29.0, 4, 90.00, 70.00, 1937., 14.0, 75, Europe
Volkswagen Rabbit, 29.0, 4, 90.00, 70.00, 1937., 14.2, 76, Europe
Volkswagen Rabbit, 29.5, 4, 97.00, 71.00, 1825., 12.2, 76, Europe
Volkswagen Rabbit, 29.8, 4, 89.00, 62.00, 1845., 15.3, 80, Europe
Volkswagen Rabbit, 41.5, 4, 98.00, 76.00, 2144., 14.7, 80, Europe
Volkswagen Rabbit C (Diesel),44.3,4,90.00,48.00,2085.,21.7,80,Europe
Volkswagen Rabbit Custom, 29.0, 4, 97.00, 78.00, 1940., 14.5, 77, Europe
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 1,36.0,4,105.0,74.00,1980.,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
ad@cis106:~/Documents/Csv$
```

#### Practice 4

