

Lab 7

Question 1

```

diegoph@diegoph-VirtualBox:~$ 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
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mail Manager:/var/list:/usr/sbin/nologin
irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin
gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
systemd-network:x:100:102:systemd Network Management,,,:/run/systemd:/usr/sbin/nologin
systemd-resolve:x:101:103:systemd Resolver,,,:/run/systemd:/usr/sbin/nologin
systemd-timesync:x:102:104:systemd Time Synchronization,,,:/run/systemd:/usr/sbin/nologin
messagebus:x:103:106:/:nonexistent:/usr/sbin/nologin
syslog:x:104:110:/:home/syslog:/usr/sbin/nologin
_apt:x:105:65534:/:nonexistent:/usr/sbin/nologin
tss:x:106:111:TPM software stack,,,:/var/lib/tpm:/bin/false
uidd:x:107:114:/:run/uidd:/usr/sbin/nologin
tcpdump:x:108:115:/:nonexistent:/usr/sbin/nologin
avahi-autoipd:x:109:116:Avahi autoip daemon,,,:/var/lib/avahi-autoipd:/usr/sbin/nologin
usbmux:x:110:46:usbmux daemon,,,:/var/lib/usbmux:/usr/sbin/nologin
rtkit:x:111:117:RealtimeKit,,,:/proc:/usr/sbin/nologin
dnsmasq:x:112:65534:dnsmasq,,,:/var/lib/misc:/usr/sbin/nologin
cups-pk-helper:x:113:120:user for cups-pk-helper service,,,:/home/cups-pk-helper:/usr/sbin/nologin
speech-dispatcher:x:114:29:Speech Dispatcher,,,:/run/speech-dispatcher:/bin/false
avahi:x:115:121:Avahi mDNS daemon,,,:/var/run/avahi-daemon:/usr/sbin/nologin
kernoops:x:116:65534:Kernel Oops Tracking Daemon,,,:/usr/sbin/nologin
saned:x:117:123:/:var/lib/saned:/usr/sbin/nologin
nm-openvpn:x:118:124:NetworkManager OpenVPN,,,:/var/lib/openvpn/chroot:/usr/sbin/nologin
hplip:x:119:7:HPLIP system user,,,:/run/hplip:/bin/false
whoopsie:x:120:125:/:nonexistent:/bin/false
colord:x:121:126:colord colour management daemon,,,:/var/lib/colord:/usr/sbin/nologin
geoclue:x:122:127:/:var/lib/geoclue:/usr/sbin/nologin
pulse:x:123:128:PulseAudio daemon,,,:/var/run/pulse:/usr/sbin/nologin
gnome-initial-setup:x:124:65534:/:run/gnome-initial-setup:/bin/false
gdm:x:125:130:Gnome Display Manager:/var/lib/gdm3:/bin/false
sssd:x:126:131:SSSD system user,,,:/var/lib/sss:/usr/sbin/nologin
diegoph:x:1000:1000:Diego Pajares Herrera,,,:/home/diegoph:/bin/bash
systemd-coredump:x:999:999:systemd Core Dumper:/:usr/sbin/nologin

flatpak:x:127:136:Flatpak system-wide installation helper,,,:/nonexistent:/usr/sbin/nologin
diegoph@diegoph-VirtualBox:~$ tac /etc/passwd
flatpak:x:127:136:Flatpak system-wide installation helper,,,:/nonexistent:/usr/sbin/nologin
systemd-coredump:x:999:999:systemd Core Dumper:/:usr/sbin/nologin
diegoph:x:1000:1000:Diego Pajares Herrera,,,:/home/diegoph:/bin/bash
sssd:x:126:131:SSSD system user,,,:/var/lib/sss:/usr/sbin/nologin
gdm:x:125:130:Gnome Display Manager:/var/lib/gdm3:/bin/false
gnome-initial-setup:x:124:65534:/:run/gnome-initial-setup:/bin/false
pulse:x:123:128:PulseAudio daemon,,,:/var/run/pulse:/usr/sbin/nologin
geoclue:x:122:127:/:var/lib/geoclue:/usr/sbin/nologin
colord:x:121:126:colord colour management daemon,,,:/var/lib/colord:/usr/sbin/nologin
whoopsie:x:120:125:/:nonexistent:/bin/false
hplip:x:119:7:HPLIP system user,,,:/run/hplip:/bin/false
nm-openvpn:x:118:124:NetworkManager OpenVPN,,,:/var/lib/openvpn/chroot:/usr/sbin/nologin
saned:x:117:123:/:var/lib/saned:/usr/sbin/nologin
kernoops:x:116:65534:Kernel Oops Tracking Daemon,,,:/usr/sbin/nologin
avahi:x:115:121:Avahi mDNS daemon,,,:/var/run/avahi-daemon:/usr/sbin/nologin
speech-dispatcher:x:114:29:Speech Dispatcher,,,:/run/speech-dispatcher:/bin/false
cups-pk-helper:x:113:120:user for cups-pk-helper service,,,:/home/cups-pk-helper:/usr/sbin/nologin
dnsmasq:x:112:65534:dnsmasq,,,:/var/lib/misc:/usr/sbin/nologin
rtkit:x:111:117:RealtimeKit,,,:/proc:/usr/sbin/nologin
usbmux:x:110:46:usbmux daemon,,,:/var/lib/usbmux:/usr/sbin/nologin
avahi-autoipd:x:109:116:Avahi autoip daemon,,,:/var/lib/avahi-autoipd:/usr/sbin/nologin
tcpdump:x:108:115:/:nonexistent:/usr/sbin/nologin
uidd:x:107:114:/:run/uidd:/usr/sbin/nologin
tss:x:106:111:TPM software stack,,,:/var/lib/tpm:/bin/false
_apt:x:105:65534:/:nonexistent:/usr/sbin/nologin

```

```
lpc:x:105:65534::/nonexistent:/usr/sbin/nologin
syslog:x:104:110::/home/syslog:/usr/sbin/nologin
messagebus:x:103:106::/nonexistent:/usr/sbin/nologin
systemd-timesync:x:102:104:systemd Time Synchronization,,,:/run/systemd:/usr/sbin/nologin
systemd-resolve:x:101:103:systemd Resolver,,,:/run/systemd:/usr/sbin/nologin
systemd-network:x:100:102:systemd Network Management,,,:/run/systemd:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin
irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin
list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/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
```

```

diegoph@diegoph-VirtualBox:~$ cat -b -e /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 proxy:x:13:13:proxy:/bin:/usr/sbin/nologin$
13 www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin$
14 backup:x:34:34:backup:/var/backups:/usr/sbin/nologin$
15 list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin$
16 irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin$
17 gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin$
18 nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin$
19 systemd-network:x:100:102:systemd Network Management,,,:/run/systemd:/usr/sbin/nologin$
20 systemd-resolve:x:101:103:systemd Resolver,,,:/run/systemd:/usr/sbin/nologin$
21 systemd-timesync:x:102:104:systemd Time Synchronization,,,:/run/systemd:/usr/sbin/nologin$
22 messagebus:x:103:106:/:nonexistent:/usr/sbin/nologin$
23 syslog:x:104:110:/:home/syslog:/usr/sbin/nologin$
24 _apt:x:105:65534:/:nonexistent:/usr/sbin/nologin$
25 tss:x:106:111:TPM software stack,,,:/var/lib/tpm:/bin/false$
26 uidd:x:107:114:/:run/uidd:/usr/sbin/nologin$
27 tcpdump:x:108:115:/:nonexistent:/usr/sbin/nologin$
28 avahi-autoipd:x:109:116:Avahi autoip daemon,,,:/var/lib/avahi-autoipd:/usr/sbin/nologin$
29 usbmux:x:110:46:usbmux daemon,,,:/var/lib/usbmux:/usr/sbin/nologin$
30 rtkit:x:111:117:RealtimeKit,,,:/proc:/usr/sbin/nologin$
31 dnsmasq:x:112:65534:dnsmasq,,,:/var/lib/misc:/usr/sbin/nologin$
32 cups-pk-helper:x:113:120:user for cups-pk-helper service,,,:/home/cups-pk-helper:/usr/sbin/nologin$
33 speech-dispatcher:x:114:29:Speech Dispatcher,,,:/run/speech-dispatcher:/bin/false$
34 avahi:x:115:121:Avahi mDNS daemon,,,:/var/run/avahi-daemon:/usr/sbin/nologin$
35 kernoops:x:116:65534:Kernel Oops Tracking Daemon,,,:/usr/sbin/nologin$
36 saned:x:117:123:/:var/lib/saned:/usr/sbin/nologin$
37 nm-openvpn:x:118:124:NetworkManager OpenVPN,,,:/var/lib/openvpn/chroot:/usr/sbin/nologin$
38 hplip:x:119:7:HPLIP system user,,,:/run/hplip:/bin/false$
39 whoopsie:x:120:125:/:nonexistent:/bin/false$
40 colord:x:121:126:colord colour management daemon,,,:/var/lib/colord:/usr/sbin/nologin$
41 geoclue:x:122:127:/:var/lib/geoclue:/usr/sbin/nologin$
42 pulse:x:123:128:PulseAudio daemon,,,:/var/run/pulse:/usr/sbin/nologin$
43 gnome-initial-setup:x:124:65534:/:run/gnome-initial-setup:/bin/false$
44 gdm:x:125:130:Gnome Display Manager:/var/lib/gdm3:/bin/false$
45 sssd:x:126:131:SSSD system user,,,:/var/lib/sss:/usr/sbin/nologin$
46 diegoph:x:1000:1000:Diego Pajares Herrera,,,:/home/diegoph:/bin/bash$
47 systemd-coredump:x:999:999:systemd Core Dumper:/:usr/sbin/nologin$

diegoph@diegoph-VirtualBox:~$ 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
diegoph@diegoph-VirtualBox:~$ tail -5 /etc/passwd
gdm:x:125:130:Gnome Display Manager:/var/lib/gdm3:/bin/false
sssd:x:126:131:SSSD system user,,,:/var/lib/sss:/usr/sbin/nologin
diegoph:x:1000:1000:Diego Pajares Herrera,,,:/home/diegoph:/bin/bash
systemd-coredump:x:999:999:systemd Core Dumper:/:usr/sbin/nologin
_flatpak:x:127:136:Flatpak system-wide installation helper,,,:nonexistent:/usr/sbin/nologin
diegoph@diegoph-VirtualBox:~$ 

```

Question 2


```
diegoph@diegoph-VirtualBox:~$ cut -d ":" -f1 /etc/passwd
root
daemon
bin
sys
sync
games
man
lp
mail
news
uucp
proxy
www-data
backup
list
irc
gnats
nobody
systemd-network
systemd-resolve
systemd-timesync
messagebus
syslog
_apt
tss
uidd
tcpdump
avahi-autoipd
usbmux
rtkit
dnsmasq
cups-pk-helper
speech-dispatcher
avahi
kernoops
saned
nm-openvpn
hplip
whoopsie
colord
geoclue
pulse
gnome-initial-setup
gdm
sssd
diegoph
systemd-coredump
```

```
diegoph@diegoph-VirtualBox:~$ cut -d ":" -f1,7 /etc/passwd
root:/bin/bash
daemon:/usr/sbin/nologin
bin:/usr/sbin/nologin
sys:/usr/sbin/nologin
sync:/bin/sync
games:/usr/sbin/nologin
man:/usr/sbin/nologin
lp:/usr/sbin/nologin
```



```
cp:/usr/sbin/nologin
mail:/usr/sbin/nologin
news:/usr/sbin/nologin
uucp:/usr/sbin/nologin
proxy:/usr/sbin/nologin
www-data:/usr/sbin/nologin
backup:/usr/sbin/nologin
list:/usr/sbin/nologin
irc:/usr/sbin/nologin
gnats:/usr/sbin/nologin
nobody:/usr/sbin/nologin
systemd-network:/usr/sbin/nologin
systemd-resolve:/usr/sbin/nologin
systemd-timesync:/usr/sbin/nologin
messagebus:/usr/sbin/nologin
syslog:/usr/sbin/nologin
_apt:/usr/sbin/nologin
tss:/bin/false
uidd:/usr/sbin/nologin
tcpdump:/usr/sbin/nologin
avahi-autoipd:/usr/sbin/nologin
usbmux:/usr/sbin/nologin
rtkit:/usr/sbin/nologin
dnsmasq:/usr/sbin/nologin
cups-pk-helper:/usr/sbin/nologin
speech-dispatcher:/bin/false
avahi:/usr/sbin/nologin
kernoops:/usr/sbin/nologin
saned:/usr/sbin/nologin
nm-openvpn:/usr/sbin/nologin
hplip:/bin/false
whoopsie:/bin/false
colord:/usr/sbin/nologin
geoclue:/usr/sbin/nologin
pulse:/usr/sbin/nologin
gnome-initial-setup:/bin/false
gdm:/bin/false
sssd:/usr/sbin/nologin
diegoph:/bin/bash
systemd-coredump:/usr/sbin/nologin
```

```
diegoph@diegoph-VirtualBox:~$ cut -d "=" -f1,7 /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
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin
irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin
gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
systemd-network:x:100:102:systemd Network Management,,,:/run/systemd:/usr/sbin/nologin
systemd-resolve:x:101:103:systemd Resolver,,,:/run/systemd:/usr/sbin/nologin
systemd-timesync:x:102:104:systemd Time Synchronization,,,:/run/systemd:/usr/sbin/nologin
messagebus:x:103:106:/:nonexistent:/usr/sbin/nologin
syslog:x:104:110:/:home/syslog:/usr/sbin/nologin
_apt:x:105:65534:/:nonexistent:/usr/sbin/nologin
```

```
diegoph@diegoph-VirtualBox:~$ cut -d ":" -f1,2,4,5,6,7 /etc/passwd
root:x:0:root:/bin/bash
daemon:x:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:bin:/bin:/usr/sbin/nologin
sys:x:3:sys:/dev:/usr/sbin/nologin
sync:x:65534:sync:/bin:/bin/sync
games:x:60:games:/usr/games:/usr/sbin/nologin
man:x:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:Mailing List Manager:/var/list:/usr/sbin/nologin
irc:x:39:ircd:/var/run/ircd:/usr/sbin/nologin
gnats:x:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin
nobody:x:65534:nobody:/nonexistent:/usr/sbin/nologin
systemd-network:x:102:systemd Network Management,,,:/run/systemd:/usr/sbin/nologin
systemd-resolve:x:103:systemd Resolver,,,:/run/systemd:/usr/sbin/nologin
systemd-timesync:x:104:systemd Time Synchronization,,,:/run/systemd:/usr/sbin/nologin
messagebus:x:106:/:nonexistent:/usr/sbin/nologin
syslog:x:110:/:home/syslog:/usr/sbin/nologin
_apt:x:65534:/:nonexistent:/usr/sbin/nologin
tss:x:111:TPM software stack,,,:/var/lib/tpm:/bin/false
uidd:x:114:/:run/uidd:/usr/sbin/nologin
tcpdump:x:115:/:nonexistent:/usr/sbin/nologin
avahi-autoipd:x:116:Avahi autoip daemon,,,:/var/lib/avahi-autoipd:/usr/sbin/nologin
usbmux:x:46:usbmux daemon,,,:/var/lib/usbmux:/usr/sbin/nologin
rtkit:x:117:RealtimeKit,,,:/proc:/usr/sbin/nologin
dnsmasq:x:65534:dnsmasq,,,:/var/lib/misc:/usr/sbin/nologin
cups-pk-helper:x:120:user for cups-pk-helper service,,,:/home/cups-pk-helper:/usr/sbin/nologin
speech-dispatcher:x:29:Speech Dispatcher,,,:/run/speech-dispatcher:/bin/false
avahi:x:121:Avahi mDNS daemon,,,:/var/run/avahi-daemon:/usr/sbin/nologin
kernoops:x:65534:Kernel Oops Tracking Daemon,,,:/usr/sbin/nologin
```

Question 3


```

diegoph@diegoph-VirtualBox:~$ curl -s https://cis106.com/assets/shopping.md -o shopping.md
diegoph@diegoph-VirtualBox:~$ curl -s https://cis106.com/assets/tasks.md -o tasks.md
diegoph@diegoph-VirtualBox:~$ ls
challenge-Lab6  Downloads  lab5ChallengeQuestion  lab6  Pictures  tasks.md
cis106         lab4files  lab5-docs             lab6-q5  public  templates
Desktop       lab-9      lab5-imgs            Music  shopping.md  Videos
Documents     lab5-audio lab5-video           mv      snap
diegoph@diegoph-VirtualBox:~$ paste shopping.md tasks.md
## Shopping      ## Tasks
1. Apples:       1. Do Laundry:
2. Meat:         2. Cook lunch:
3. Bread:        3. Clean room:
diegoph@diegoph-VirtualBox:~$ wc -l Documents/Books/dracula.txt
15860 Documents/Books/dracula.txt
diegoph@diegoph-VirtualBox:~$ wc -w Documents/Books/pride-and-prejudice.txt
124749 Documents/Books/pride-and-prejudice.txt
diegoph@diegoph-VirtualBox:~$ sort /etc/passwd
_apt:x:105:65534::/nonexistent:/usr/sbin/nologin
avahi-autoipd:x:109:116:Avahi autoip daemon,,,:/var/lib/avahi-autoipd:/usr/sbin/nologin
avahi:x:115:121:Avahi mDNS daemon,,,:/var/run/avahi-daemon:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
colord:x:121:126:colord colour management daemon,,,:/var/lib/colord:/usr/sbin/nologin
cups-pk-helper:x:113:120:user for cups-pk-helper service,,,:/home/cups-pk-helper:/usr/sbin/nologin
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
diegoph:x:1000:1000:Diego Pajares Herrera,,,:/home/diegoph:/bin/bash
dnsmasq:x:112:65534:dnsmasq,,,:/var/lib/misc:/usr/sbin/nologin

```

Question 4

```
diegoph@diegoph-VirtualBox:~$ ls Documents/Csv/
cars.csv cereal.csv contacts.csv country.csv film.csv
diegoph@diegoph-VirtualBox:~$ cat Documents/Csv/cereal.csv | tr ';' ','
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,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,120,3,5,15,2,8,8,135,0,3,1,1,33.983679
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,50,4,0,140,14,8,0,330,25,3,1,0.5,93.704912
Almond Delight,R,C,110,2,2,200,1,14,8,-1,25,3,1,0.75,34.384843
Apple Cinnamon Cheerios,G,C,110,2,2,180,1.5,10.5,10,70,25,1,1,0.75,29.509541
Apple Jacks,K,C,110,2,0,125,1,11,14,30,25,2,1,1,33.174094
Basic 4,G,C,130,3,2,210,2,18,8,100,25,3,1,0.33,0.75,37.038562
Bran Chex,R,C,90,2,1,200,4,15,6,125,25,1,1,0.67,49.120253
Bran Flakes,P,C,90,3,0,210,5,13,5,190,25,3,1,0.67,53.313813
Cap'n Crunch,Q,C,120,1,2,220,0,12,12,35,25,2,1,0.75,18.042851
Cheerios,G,C,110,6,2,290,2,17,1,105,25,1,1,1.25,50.764999
Cinnamon Toast Crunch,G,C,120,1,3,210,0,13,9,45,25,2,1,0.75,19.823573
Clusters,G,C,110,3,2,140,2,13,7,105,25,3,1,0.5,40.400208
Cocoa Puffs,G,C,110,1,1,180,0,12,13,55,25,2,1,1,22.736446
Corn Chex,R,C,110,2,0,280,0,22,3,25,25,1,1,1,41.445019
Corn Flakes,K,C,100,2,0,290,1,21,2,35,25,1,1,1,45.863324
Corn Pops,K,C,110,1,0,90,1,13,12,20,25,2,1,1,35.782791
Count Chocula,G,C,110,1,1,180,0,12,13,65,25,2,1,1,22.396513
Cracklin' Oat Bran,K,C,110,3,3,140,4,10,7,160,25,3,1,0.5,40.448772
Cream of Wheat (Quick),N,H,100,3,0,80,1,21,0,-1,0,2,1,1,64.533816
Crispix,K,C,110,2,0,220,1,21,3,30,25,3,1,1,46.895644
Crispy Wheat & Raisins,G,C,100,2,1,140,2,11,10,120,25,3,1,0.75,36.176196
Double Chex,R,C,100,2,0,190,1,18,5,80,25,3,1,0.75,44.330856
Froot Loops,K,C,110,2,1,125,1,11,13,30,25,2,1,1,32.207582
```

```
diegoph@diegoph-VirtualBox:~$ grep -i 'love' Documents/Books/pride-and-prejudice.txt
that he _may_ fall in love with one of them, and therefore you
persuade you at last. I was sure you loved your girls too well to
anything. Lydia, my love, though you _are_ the youngest, I dare
be fond of dancing was a certain step towards falling in love;
first, and was in a way to be very much in love; but she
who have heart enough to be really in love without encouragement.
secure of him, there will be leisure for falling in love as
love, from love to matrimony, in a moment. I knew you would be
Well, Jane, make haste and tell us; make haste, my love."
a gentleman at my brother Gardiner's in town so much in love with her,
love!"
"I have been used to consider poetry as the _food_ of love," said
"Of a fine, stout, healthy love it may. Everything nourishes what
dearly love a laugh."
bit of fish to be got to-day. Lydia, my love, ring the bell—I
His plan did not vary on seeing them. Miss Bennet's lovely face
likelihood undo the effects of your loveliness and amiable
to your wish of increasing my love by suspense, according to the
successful love; for Mrs. Bennet, having dawdled about in the
brother is in love with you, and wants him to marry Miss Darcy.
much love in Mr. Darcy for herself, she would have ordered her
persuade him that, instead of being in love with you, he is very
much in love with her friend."
in the lane. But little had she dared to hope that so much love
love.
The possibility of Mr. Collins's fancying himself in love with
and lovers were of all people the most disagreeable. Such were
happiness, and so dishonorable to the stability of her lover, she
love-making relieved them from a great deal of his company. The
loved you as you deserve."
not. There are few people whom I really love, and still fewer of
me; no wonder if they love her better. But, whatever may be their
one day, "your sister is crossed in love, I find. I congratulate
in love now and then. It is something to think of, and it gives
After a week spent in professions of love and schemes of
easily falls in love with a pretty girl for a few weeks, and when
he was violently in love with only a few days before."
"But that expression of 'violently in love' is so hackneyed, so
was Mr. Bingley's love?"
```

the very essence of **love**?"

"Oh, yes!—of that kind of **love** which I suppose him to have felt.

them, from what she saw, to be very seriously in **love**, their

"You are too sensible a girl, Lizzy, to fall in **love** merely

myself, and of Mr. Wickham too. He shall not be in **love** with me,

"I beg your pardon, I will try again. At present I am not in **love**

aunt, that I have never been much in **love**; for had I really

diegoph@diegoph-VirtualBox:~\$ grep -Ew 'love|hate' Documents/Books/pride-and-prejudice

that he **may** fall in **love** with one of them, and therefore you

anything. Lydia, my **love**, though you **are** the youngest, I dare

be fond of dancing was a certain step towards falling in **love**;

"Come, Darcy," said he, "I must have you dance. I **hate** to see you

first, and was in a way to be very much in **love**; but she

who have heart enough to be really in **love** without encouragement.

secure of him, there will be leisure for falling in **love** as

love, from **love** to matrimony, in a moment. I knew you would be

Well, Jane, make haste and tell us; make haste, my **love**."

a gentleman at my brother Gardiner's in town so much in **love** with her,

love!"

"I have been used to consider poetry as the **food** of **love**," said

"Of a fine, stout, healthy **love** it may. Everything nourishes what

dearly **love** a laugh."

"And **your** defect is to **hate** everybody."

bit of fish to be got to-day. Lydia, my **love**, ring the bell—I

I **hate** such false friends. Why could he not keep on quarreling

To find a man agreeable whom one is determined to **hate**! Do not

to your wish of increasing my **love** by suspense, according to the

successful **love**; for Mrs. Bennet, having dawdled about in the

brother is in **love** with you, and wants him to marry Miss Darcy.

much **love** in Mr. Darcy for herself, she would have ordered her

persuade him that, instead of being in **love** with you, he is very

much in **love** with her friend."

in the lane. But little had she dared to hope that so much **love**

love.

The possibility of Mr. Collins's fancying himself in **love** with

love-making relieved them from a great deal of his company. The

not. There are few people whom I really **love**, and still fewer of

me; no wonder if they **love** her better. But, whatever may be their

one day, "your sister is crossed in **love**, I find. I congratulate

in **love** now and then. It is something to think of, and it gives

After a week spent in professions of **love** and schemes of

easily falls in **love** with a pretty girl for a few weeks, and when

he was violently in **love** with only a few days before."

"But that expression of 'violently in **love**' is so hackneyed, so

was **Mr. Bingley's love**?"

the very essence of **love**?"

"Oh, yes!—of that kind of **love** which I suppose him to have felt.

them, from what she saw, to be very seriously in **love**, their

"You are too sensible a girl, Lizzy, to fall in **love** merely

myself, and of Mr. Wickham too. He shall not be in **love** with me,

"I beg your pardon, I will try again. At present I am not in **love**

aunt, that I have never been much in **love**; for had I really

impartial towards Miss King. I cannot find out that I **hate** her at

sort of girl. There can be no **love** in all this. My watchfulness


```
diegoph@diegoph-VirtualBox:~$ grep -w "love" Documents/Books/dracula.txt
```

know her is to love her. I long to go through the crowded streets of
also that there is a chapel of old times. We Transylvanian nobles love
battlements and casements. I love the shade and the shadow, and would
thought and many blushes, her ill-spelt love-letter, and writing in my
"You yourself never loved; you never love!" On this the other women
"Yes, I too can love; you yourselves can tell it from the past. Is it
to speak more. Oh, Mina, couldn't you guess? I love him. I am blushing
words. But oh, Mina, I love him; I love him; I love him! There, that
I could love him in time; and when I shook my head his hands trembled,
what I would do if I were a man and wanted to make a girl love me. No, I
began pouring out a perfect torrent of love-making, laying his very
"Yes, there is some one I love, though he has not told me yet that he
my dear, and a fine fellow, or you could not love him--hasn't spoken
She is so sweet with old people; I think they all fell in love with her
but what it is I do not yet know. His redeeming quality is a love of
own heart a bit. But, Lord love ye, miss, I ain't afraid of dyin', not a
looks, oh, so sweet. If Mr. Holmwood fell in love with her seeing her
to have become as much in love with the spot as I am, and it is hard to
suffering from a violent brain fever. He wishes me to convey his love,
poor dear should have fallen in love with any other girl. The idea of
except myself, my life, and my trust, and that with these went my love
"Oceans of love and millions of kisses, and may you soon be in your own
together; and I love him more than ever. He tells me that he loves me
more, but I doubt that, for at first he told me that he couldn't love me
"P. S.--Mother sends her love. She seems better, poor dear. "P. P.
back to happiness, and to those that love them. It is much to do, and

```

diegoph@diegoph-VirtualBox:~$ grep -i "[aeiou]." Documents/Books/dracula.txt
The Project Gutenberg eBook of Dracula, by Bram Stoker
of the Project Gutenberg License included with this eBook or online at
www.gutenberg.org. If you are not located in the United States, you
will have to check the laws of the country where you are located before

Release Date: October, 1995 [eBook #345]
Language: English
Produced by: Chuck Greif and the Online Distributed Proofreading Team
*** START OF THE PROJECT GUTENBERG EBOOK DRACULA ***

[Illustration: colophon]
GROSSET & DUNLAP
_Publishers_
THE COUNTRY LIFE PRESS, GARDEN CITY, N.Y.
CHAPTER V. Letters—Lucy and Mina
CHAPTER XI. Lucy Westenra's Diary

_3 May. Bistritz._--Left Munich at 8:35 P. M., on 1st May, arriving at
hour late. Buda-Pesth seems a wonderful place, from the glimpse which I
got of it from the train and the little I could walk through the
late and would start as near the correct time as possible. The
impression I had was that we were leaving the West and entering the
East; the most western of splendid bridges over the Danube, which is
here of noble width and depth, took us among the traditions of Turkish
rule.
We left in pretty good time, and came after nightfall to Klausenburgh.
Here I stopped for the night at the Hotel Royale. I had for dinner, or
waiter, and he said it was called "paprika hendl," and that, as it was a
national dish, I should be able to get it anywhere along the
don't know how I should be able to get on without it.
Having had some time at my disposal when in London, I had visited the
British Museum, and made search among the books and maps in the library
regarding Transylvania; it had struck me that some foreknowledge of the
country could hardly fail to have some importance in dealing with a
nobleman of that country. I find that the district he named is in the
mountains; one of the wildest and least known portions of Europe. I was
not able to light on any map or work giving the exact locality of the
Castle Dracula, as there are no maps of this country as yet to compare
town named by Count Dracula, is a fairly well-known place. I shall enter
In the population of Transylvania there are four distinct nationalities:
Saxons in the South, and mixed with them the Wallachs, who are the
East and North. I am going among the latter, who claim to be descended

```

Question 5


```
diegoph@diegoph-VirtualBox:~$ awk -F ";" '{print $1,$NF}' Documents/Csv/cars.csv
Car Origin
STRING CAT
Chevrolet Chevelle Malibu US
Buick Skylark 320 US
Plymouth Satellite US
AMC Rebel SST US
Ford Torino US
Ford Galaxie 500 US
Chevrolet Impala US
Plymouth Fury iii US
Pontiac Catalina US
AMC Ambassador DPL US
Citroen DS-21 Pallas Europe
Chevrolet Chevelle Concours (sw) US
Ford Torino (sw) US
Plymouth Satellite (sw) US
AMC Rebel SST (sw) US
Dodge Challenger SE US
Plymouth 'Cuda 340 US
Ford Mustang Boss 302 US
Chevrolet Monte Carlo US
Buick Estate Wagon (sw) US
Toyota Corolla Mark ii Japan
Plymouth Duster US
AMC Hornet US
Ford Maverick US
Datsun PL510 Japan
Volkswagen 1131 Deluxe Sedan Europe
Peugeot 504 Europe
Audi 100 LS Europe
Saab 99e Europe
BMW 2002 Europe
AMC Gremlin US
Ford F250 US
```

```
diegoph@diegoph-VirtualBox:~$ awk -F ";" '{OFS=" made on"}{print $1,$NF}' Documents/Csv/cars.csv
Car made onOrigin
STRING made onCAT
Chevrolet Chevelle Malibu made onUS
Buick Skylark 320 made onUS
Plymouth Satellite made onUS
AMC Rebel SST made onUS
Ford Torino made onUS
Ford Galaxie 500 made onUS
Chevrolet Impala made onUS
Plymouth Fury iii made onUS
Pontiac Catalina made onUS
AMC Ambassador DPL made onUS
Citroen DS-21 Pallas made onEurope
Chevrolet Chevelle Concours (sw) made onUS
Ford Torino (sw) made onUS
Plymouth Satellite (sw) made onUS
AMC Rebel SST (sw) made onUS
Dodge Challenger SE made onUS
Plymouth 'Cuda 340 made onUS
Ford Mustang Boss 302 made onUS
Chevrolet Monte Carlo made onUS
Buick Estate Wagon (sw) made onUS
Toyota Corolla Mark ii made onJapan
Plymouth Duster made onUS
AMC Hornet made onUS
Ford Maverick made onUS
Datsun PL510 made onJapan
Volkswagen 1131 Deluxe Sedan made onEurope
Peugeot 504 made onEurope
Audi 100 LS made onEurope
```

```

Saab 99e made onEurope
BMW 2002 made onEurope
AMC Gremlin made onUS
Ford F250 made onUS

```

```

diegoph@diegoph-VirtualBox:~$ awk -F ";" '{print "The",$1,"has",$3,"cylinders","and is made on US",
F}' Documents/Csv/cars.csv
The Car has Cylinders cylinders and is made on US Origin
The STRING has INT cylinders and is made on US CAT
The Chevrolet Chevelle Malibu has 8 cylinders and is made on US US
The Buick Skylark 320 has 8 cylinders and is made on US US
The Plymouth Satellite has 8 cylinders and is made on US US
The AMC Rebel SST has 8 cylinders and is made on US US
The Ford Torino has 8 cylinders and is made on US US
The Ford Galaxie 500 has 8 cylinders and is made on US US
The Chevrolet Impala has 8 cylinders and is made on US US
The Plymouth Fury iii has 8 cylinders and is made on US US
The Pontiac Catalina has 8 cylinders and is made on US US
The AMC Ambassador DPL has 8 cylinders and is made on US US
The Citroen DS-21 Pallas has 4 cylinders and is made on US Europe
The Chevrolet Chevelle Concours (sw) has 8 cylinders and is made on US US
The Ford Torino (sw) has 8 cylinders and is made on US US
The Plymouth Satellite (sw) has 8 cylinders and is made on US US
The AMC Rebel SST (sw) has 8 cylinders and is made on US US
The Dodge Challenger SE has 8 cylinders and is made on US US
The Plymouth 'Cuda 340 has 8 cylinders and is made on US US

```

```

diegoph@diegoph-VirtualBox:~$ awk 'NR > 3 {print}' Documents/Csv/cars.csv
Buick Skylark 320;15.0;8;350.0;165.0;3693.;11.5;70;US
Plymouth Satellite;18.0;8;318.0;150.0;3436.;11.0;70;US
AMC Rebel SST;16.0;8;304.0;150.0;3433.;12.0;70;US
Ford Torino;17.0;8;302.0;140.0;3449.;10.5;70;US
Ford Galaxie 500;15.0;8;429.0;198.0;4341.;10.0;70;US
Chevrolet Impala;14.0;8;454.0;220.0;4354.;9.0;70;US
Plymouth Fury iii;14.0;8;440.0;215.0;4312.;8.5;70;US
Pontiac Catalina;14.0;8;455.0;225.0;4425.;10.0;70;US
AMC Ambassador DPL;15.0;8;390.0;190.0;3850.;8.5;70;US
Citroen DS-21 Pallas;0;4;133.0;115.0;3090.;17.5;70;Europe
Chevrolet Chevelle Concours (sw);0;8;350.0;165.0;4142.;11.5;70;US
Ford Torino (sw);0;8;351.0;153.0;4034.;11.0;70;US
Plymouth Satellite (sw);0;8;383.0;175.0;4166.;10.5;70;US
AMC Rebel SST (sw);0;8;360.0;175.0;3850.;11.0;70;US
Dodge Challenger SE;15.0;8;383.0;170.0;3563.;10.0;70;US
Plymouth 'Cuda 340;14.0;8;340.0;160.0;3609.;8.0;70;US
Ford Mustang Boss 302;0;8;302.0;140.0;3353.;8.0;70;US
Chevrolet Monte Carlo;15.0;8;400.0;150.0;3761.;9.5;70;US
Buick Estate Wagon (sw);14.0;8;455.0;225.0;3086.;10.0;70;US
Toyota Corolla Mark ii;24.0;4;113.0;95.00;2372.;15.0;70;Japan
Plymouth Duster;22.0;6;198.0;95.00;2833.;15.5;70;US
AMC Hornet;18.0;6;199.0;97.00;2774.;15.5;70;US
Ford Maverick;21.0;6;200.0;85.00;2587.;16.0;70;US
Datsun PL 510;27.0;4;97.00;88.00;2130.;14.5;70;Japan

```

[illegible]

1000

```
diegoph@diegoph-VirtualBox:~$ sed G /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

news:x:9:9:news:/var/spool/news:/usr/sbin/nologin

uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin

proxy:x:13:13:proxy:/bin:/usr/sbin/nologin

www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin

backup:x:34:34:backup:/var/backups:/usr/sbin/nologin

list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin
```

Project Gutenberg-tm eBooks are often created from several printed editions, all of which are confirmed as not protected by copyright in the U.S. unless a copyright notice is included. Thus, we do not necessarily keep eBooks in compliance with any particular paper edition.

Most people start at our website which has the main PG search facility: www.gutenberg.org

This website includes information about Project Gutenberg-tm, including how to make donations to the Project Gutenberg Literary Archive Foundation, how to help produce our new eBooks, and how to subscribe to our email newsletter to hear about new eBooks.

Question 6

```
diegoph@diegoph-VirtualBox:~$ grep -n "/bin/bash" /etc/passwd
1:root:x:0:0:root:/root:/bin/bash
46:diegoph:x:1000:1000:Diego Pajares Herrera,,,:/home/diegoph:/bin/bash
diegoph@diegoph-VirtualBox:~$ grep -n "/bin/bash" /etc/passwd | wc -l
2
diegoph@diegoph-VirtualBox:~$ grep -n "/sbin/nologin" /etc/passwd | wc -l
39
diegoph@diegoph-VirtualBox:~$ cd Documents/Csv/
diegoph@diegoph-VirtualBox:~/Documents/Csv$ grep -i "ford" cars.csv | wc -l
53
diegoph@diegoph-VirtualBox:~/Documents/Csv$ cd ../Books/
diegoph@diegoph-VirtualBox:~/Documents/Books$ grep "...." bible.txt | wc -l
31102
diegoph@diegoph-VirtualBox:~/Documents/Books$
```

Complex Questions


```

Cereal Nuts
Total Corn Flakes
Total Raisin Bran
Total Whole Grain
Triples
Trix
Wheat Chex
Wheaties
Wheaties Honey Gold
diegoph@diegoph-VirtualBox:~/Documents/Csv$ sort -o cereal.csv ceral-sorted.csv
sort: cannot read: ceral-sorted.csv: No such file or directory
diegoph@diegoph-VirtualBox:~/Documents/Csv$ sort -o cereal.csv cereal-sorted.csv
sort: cannot read: cereal-sorted.csv: No such file or directory
diegoph@diegoph-VirtualBox:~/Documents/Csv$ sort -o cereal-sorted.csv cereal.csv
diegoph@diegoph-VirtualBox:~/Documents/Csv$

```

```
diegoph@diegoph-VirtualBox:~/Documents/Csv$ head cereal.csv
name;mfr;type;calories;protein;fat;sodium;fiber;carbo;sugars;potass;vitamins;shelf;weight;cups;rating
String;Categorical;Categorical;Int;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;33.983679
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;0.5;93.704912
Almond Delight;R;C;110;2;2;200;1;14;8;-1;25;3;1;0.75;34.384843
Apple Cinnamon Cheerios;G;C;110;2;2;180;1.5;10.5;10;70;25;1;1;0.75;29.509541
Apple Jacks;K;C;110;2;0;125;1;11;14;30;25;2;1;1;33.174094
Basic 4;G;C;130;3;2;210;2;18;8;100;25;3;1.33;0.75;37.038562
diegoph@diegoph-VirtualBox:~/Documents/Csv$ awk -F ";" '{print $1,$4}' cereal.csv
name calories
String Int
100% Bran 70
100% Natural Bran 120
All-Bran 70
All-Bran with Extra Fiber 50
Almond Delight 110
Apple Cinnamon Cheerios 110
Apple Jacks 110
Basic 4 130
Bran Chex 90
Bran Flakes 90
Cap'n Crunch 120
Cheerios 110
Cinnamon Toast Crunch 120
Clusters 110
Cocoa Puffs 110
Corn Chex 110
Corn Flakes 100
Corn Pops 110
Count Chocula 110
Cracklin' Oat Bran 110
Cream of Wheat (Quick) 100
Crispix 110
Crispy Wheat & Raisins 100

diegoph@diegoph-VirtualBox:~/Documents/Csv$ awk -F ";" '{print $1,$4}' cereal.csv
name;mfr;type;calories;protein;fat;sodium;fiber;carbo;sugars;potass;vitamins;shelf;weight;cups;rating
tring;Categorical;Categorical;Int;Int;Int;Int;Int;Float;Float;Int;Int;Int;Int;Float;Float;Float
00% Bran;N;C;70;4;1;130;10;5;6;280;25;3;1;0.33;68.402973
00% Natural Bran;Q;C;120;3;5;15;2;8;8;135;0;3;1;1;33.983679
ll-Bran;K;C;70;4;1;260;9;7;5;320;25;3;1;0.33;59.425505
ll-Bran with Extra Fiber;K;C;50;4;0;140;14;8;0;330;25;3;1;0.5;93.704912
lmond Delight;R;C;110;2;2;200;1;14;8;-1;25;3;1;0.75;34.384843
pple Cinnamon Cheerios;G;C;110;2;2;180;1.5;10.5;10;70;25;1;1;0.75;29.509541
pple Jacks;K;C;110;2;0;125;1;11;14;30;25;2;1;1;33.174094
asic 4;G;C;130;3;2;210;2;18;8;100;25;3;1.33;0.75;37.038562
ran Chex;R;C;90;2;1;200;4;15;6;125;25;1;1;0.67;49.120253
ran Flakes;P;C;90;3;0;210;5;13;5;190;25;3;1;0.67;53.313813
ap'n Crunch;Q;C;120;1;2;220;0;12;12;35;25;2;1;0.75;18.042851
heerios;G;C;110;6;2;290;2;17;1;105;25;1;1;1.25;50.764999
innamon Toast Crunch;G;C;120;1;3;210;0;13;9;45;25;2;1;0.75;19.823573
lusters;G;C;110;3;2;140;2;13;7;105;25;3;1;0.5;40.400208
ocoa Puffs;G;C;110;1;1;180;0;12;13;55;25;2;1;1;22.736446
orn Chex;R;C;110;2;0;280;0;22;3;25;25;1;1;1;41.445019
orn Flakes;K;C;100;2;0;290;1;21;2;35;25;1;1;1;45.863324
orn Pops;K;C;110;1;0;90;1;13;12;20;25;2;1;1;35.782791
ount Chocula;G;C;110;1;1;180;0;12;13;65;25;2;1;1;22.396513
racklin' Oat Bran;K;C;110;3;3;140;4;10;7;160;25;3;1;0.5;40.448772
ream of Wheat (Quick);N;H;100;3;0;80;1;21;0;-1;0;2;1;1;64.533816
rispix;K;C;110;2;0;220;1;21;3;30;25;3;1;1;46.895644
rispy Wheat & Raisins;G;C;100;2;1;140;2;11;10;120;25;3;1;0.75;36.176196
ouble Chex;R;C;100;2;0;190;1;18;5;80;25;3;1;0.75;44.330856
root Loops;K;C;110;2;1;125;1;11;13;30;25;2;1;1;32.207582
rosted Flakes;K;C;110;1;0;200;1;14;11;25;25;1;1;0.75;31.435973
rosted Mini-Wheats;K;C;100;3;0;0;3;14;7;100;25;2;1;0.8;58.345141
```