

Lab 7

Question 1

```
vgarcia@cis106:~$ cat /etc/passwd
root:x:0:0: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:/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:/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
messagebus:x:102:105::/nonexistent:/usr/sbin/nologin
systemd-timesync:x:103:106:systemd Time Synchronization,,,:/run/systemd:/usr/sbin/nologin
syslog:x:104:111::/home/syslog:/usr/sbin/nologin
_apt:x:105:65534::/nonexistent:/usr/sbin/nologin
tss:x:106:113:TPM software stack,,,,:/var/lib/tppm:/bin/false
uuidd:x:107:116::/run/uuid:/usr/sbin/nologin
systemd-oom:x:108:117:systemd Userspace OOM Killer,,,:/run/systemd:/usr/sbin/nologin
tcpdump:x:109:118::/nonexistent:/usr/sbin/nologin
avahi-autoipd:x:110:119:Avahi autoip daemon,,,:/var/lib/avahi-autoipd:/usr/sbin/nologin
usbmux:x:111:46:usbmux daemon,,,:/var/lib/usbmux:/usr/sbin/nologin
dnsmasq:x:112:65534:dnsmasq,,,:/var/lib/misc:/usr/sbin/nologin
kernoops:x:113:65534:Kernel Oops Tracking Daemon,,,:/usr/sbin/nologin
avahi:x:114:121:Avahi mDNS daemon,,,:/run/avahi-daemon:/usr/sbin/nologin
cups-pk-helper:x:115:122:user for cups-pk-helper service,,,:/home/cups-pk-helper:/usr/sbin/nologin
rtkit:x:116:123:RealtimeKit,,,:/proc:/usr/sbin/nologin
whoopsie:x:117:124::/nonexistent:/bin/false
sssd:x:118:125:SSSD system user,,,:/var/lib/sss:/usr/sbin/nologin
speech-dispatcher:x:119:29:Speech Dispatcher,,,:/run/speech-dispatcher:/bin/false
fwupd-refresh:x:120:126:fwupd-refresh user,,,:/run/systemd:/usr/sbin/nologin
nm-openvpn:x:121:127:NetworkManager OpenVPN,,,:/var/lib/openvpn/chroot:/usr/sbin/nologin
saned:x:122:129::/var/lib/saned:/usr/sbin/nologin
colord:x:123:130:colord colour management daemon,,,:/var/lib/colord:/usr/sbin/nologin
geoclue:x:124:131::/var/lib/geoclue:/usr/sbin/nologin
pulse:x:125:132:PulseAudio daemon,,,:/run/pulse:/usr/sbin/nologin
gnome-initial-setup:x:126:65534::/run/gnome-initial-setup/:/bin/false
hplip:x:127:7:HPLIP system user,,,:/run/hplip:/bin/false
gdm:x:128:134:Gnome Display Manager:/var/lib/gdm3:/bin/false
vgarcia:x:1000:1000:vanessa,,,:/home/vgarcia:/bin/bash
vboxadd:x:999:1::/var/run/vboxadd:/bin/false
_flatpak:x:129:138:Flatpak system-wide installation helper,,,:/nonexistent:/usr/sbin/nologin
vgarcia@cis106:~$
```

```
vgarcia@cis106:~$ tac /etc/passwd
_flatpak:x:129:138:Flatpak system-wide installation helper,,,:/nonexistent:/usr/sbin/nologin
vboxadd:x:999:1::/var/run/vboxadd:/bin/false
vgarcia:x:1000:1000:vanessa,,,:/home/vgarcia:/bin/bash
gdm:x:128:134:Gnome Display Manager:/var/lib/gdm3:/bin/false
hplip:x:127:7:HPLIP system user,,,:/run/hplip:/bin/false
gnome-initial-setup:x:126:65534::/run/gnome-initial-setup/:/bin/false
pulse:x:125:132:PulseAudio daemon,,,:/run/pulse:/usr/sbin/nologin
geoclue:x:124:131::/var/lib/geoclue:/usr/sbin/nologin
colord:x:123:130:colord colour management daemon,,,:/var/lib/colord:/usr/sbin/nologin
saned:x:122:129::/var/lib/saned:/usr/sbin/nologin
nm-openvpn:x:121:127:NetworkManager OpenVPN,,,:/var/lib/openvpn/chroot:/usr/sbin/nologin
fwupd-refresh:x:120:126:fwupd-refresh user,,,:/run/systemd:/usr/sbin/nologin
speech-dispatcher:x:119:29:Speech Dispatcher,,,:/run/speech-dispatcher:/bin/false
sssd:x:118:125:SSSD system user,,,:/var/lib/sss:/usr/sbin/nologin
whoopsie:x:117:124::/nonexistent:/bin/false
rtkit:x:116:123:RealtimeKit,,,:/proc:/usr/sbin/nologin
cups-pk-helper:x:115:122:user for cups-pk-helper service,,,:/home/cups-pk-helper:/usr/sbin/nologin
avahi:x:114:121:Avahi mDNS daemon,,,:/run/avahi-daemon:/usr/sbin/nologin
kernoops:x:113:65534:KernelOopsTrackingDaemon,,,:/usr/sbin/nologin
dnsmasq:x:112:65534:dnsmasq,,,:/var/lib/misc:/usr/sbin/nologin
usbmux:x:111:46:usbmux daemon,,,:/var/lib/usbmux:/usr/sbin/nologin
avahi-autoipd:x:110:119:Avahi autoip daemon,,,:/var/lib/avahi-autoipd:/usr/sbin/nologin
tcpdump:x:109:118::/nonexistent:/usr/sbin/nologin
systemd-oom:x:108:117:systemd Userspace OOM Killer,,,:/run/systemd:/usr/sbin/nologin
uuidd:x:107:116::/run/uuid:/usr/sbin/nologin
```

```
uuiaua:x:107:110::/run/uuiua:/usr/sbin/nologin
tss:x:106:113:TPM software stack,,,:/var/lib/tpm:/bin/false
_apt:x:105:65534::/nonexistent:/usr/sbin/nologin
syslog:x:104:111::/home/syslog:/usr/sbin/nologin
systemd-timesync:x:103:106:systemd Time Synchronization,,,:/run/systemd:/usr/sbin/nologin
messagebus:x:102:105::/nonexistent:/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:/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
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
root:x:0:0:root:/root:/bin/bash
```

```
vgarcia@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$
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:/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 messagebus:x:102:105::/nonexistent:/usr/sbin/nologin$
22 systemd-timesync:x:103:106:systemd Time Synchronization,,,:/run/systemd:/usr/sbin/nologin$
23 syslog:x:104:111::/home/syslog:/usr/sbin/nologin$
24 _apt:x:105:65534::/nonexistent:/usr/sbin/nologin$
25 tss:x:106:113:TPM software stack,,,:/var/lib/tpm:/bin/false$
26 uuidd:x:107:116:/run/uuidd:/usr/sbin/nologin$
27 systemd-oom:x:108:117:systemd Userspace OOM Killer,,,:/run/systemd:/usr/sbin/nologin$
28 tcpdump:x:109:118::/nonexistent:/usr/sbin/nologin$
29 avahi-autoipd:x:110:119:Avahi autoip daemon,,,:/var/lib/avahi-autoipd:/usr/sbin/nologin$
30 usbmux:x:111:46:usbmux daemon,,,:/var/lib/usbmux:/usr/sbin/nologin$
31 dnsmasq:x:112:65534:dnsmasq,,,:/var/lib/misc:/usr/sbin/nologin$
32 kernoops:x:113:65534:Kernel Oops Tracking Daemon,,,:/usr/sbin/nologin$
33 avahi:x:114:121:Avahi mDNS daemon,,,:/run/avahi-daemon:/usr/sbin/nologin$
34 cups-pk-helper:x:115:122:user for cups-pk-helper service,,,:/home/cups-pk-helper:/usr/sbin/nologin$
35 rtkit:x:116:123:RealtimeKit,,,:/proc:/usr/sbin/nologin$
36 whoopsie:x:117:124::/nonexistent:/bin/false$
37 sssd:x:118:125:sssd system user,,,:/var/lib/sssd:/usr/sbin/nologin$
38 speech-dispatcher:x:119:29:Speech Dispatcher,,,:/run/speech-dispatcher:/bin/false$
39 fwupd-refresh:x:120:126:fwupd-refresh user,,,:/run/systemd:/usr/sbin/nologin$
40 nm-openvpn:x:121:127:NetworkManager OpenVPN,,,:/var/lib/openvpn/chroot:/usr/sbin/nologin$
41 saned:x:122:129::/var/lib/saned:/usr/sbin/nologin$
42 colord:x:123:130:colord colour management daemon,,,:/var/lib/colord:/usr/sbin/nologin$
43 geoclue:x:124:131::/var/lib/geoclue:/usr/sbin/nologin$
44 pulse:x:125:132:PulseAudio daemon,,,:/run/pulse:/usr/sbin/nologin$
45 gnome-initial-setup:x:126:65534::/run/gnome-initial-setup/:/bin/false$
46 hplip:x:127:7:HPLIP system user,,,:/run/hplip:/bin/false$
47 gdm:x:128:134:Gnome Display Manager:/var/lib/gdm3:/bin/false$
48 vgarcia:x:1000:1000:vanessa,,,:/home/vgarcia:/bin/bash$
49 vboxadd:x:999:1::/var/run/vboxadd:/bin/false$
50 _flatpak:x:129:138:Flatpak system-wide installation helper,,,:/nonexistent:/usr/sbin/nologin$
```

```
vgarcia@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:/sync

vgarcia@cis106:~$ tail -5 /etc/passwd
hplip:x:127:7:HPLIP system user,,,:/run/hplip:/bin/false
gdm:x:128:134:Gnome Display Manager:/var/lib/gdm3:/bin/false
vgarcia:x:1000:1000:vanessa,,,:/home/vgarcia:/bin/bash
vboxadd:x:999:1::/var/run/vboxadd:/bin/false
_flatpak:x:129:138:Flatpak system-wide installation helper,,,:/nonexistent:/usr/sbin/nologin
```

Question 2

```
vgarcia@cis106:~$ 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
messagebus
systemd-timesync
syslog
_apt
_tsc
```

```
css
uuidd
systemd-oom
tcpdump
avahi-autoipd
usbmux
dnsmasq
kernoops
avahi
cups-pk-helper
rtkit
whoopsie
sssd
speech-dispatcher
fwupd-refresh
nm-openvpn
saned
colord
geoclue
pulse
gnome-initial-setup
hplip
gdm
vgarcia
vboxadd
flatpak
```

```
vgarcia@cis106:~$ 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
mail:/usr/sbin/nologin
news:/usr/sbin/nologin
uucp:/usr/sbin/nologin
proxy:/usr/sbin/nologin
www-data:/usr/sbin/nologin
tftpuser:/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
messagebus:/usr/sbin/nologin
systemd-timesync:/usr/sbin/nologin
syslog:/usr/sbin/nologin
_apt:/usr/sbin/nologin
tss:/bin/false
uuid:/usr/sbin/nologin
systemd-oom:/usr/sbin/nologin
tcpdump:/usr/sbin/nologin
avahi-autoipd:/usr/sbin/nologin
usbmux:/usr/sbin/nologin
dnsmasq:/usr/sbin/nologin
kernoops:/usr/sbin/nologin
avahi:/usr/sbin/nologin
cups-pk-helper:/usr/sbin/nologin
rtkit:/usr/sbin/nologin
whoopsie:/bin/false
sssd:/usr/sbin/nologin
speech-dispatcher:/bin/false
fwupd-refresh:/usr/sbin/nologin
nm-openvpn:/usr/sbin/nologin
saned:/usr/sbin/nologin
colord:/usr/sbin/nologin
geoclue:/usr/sbin/nologin
pulse:/usr/sbin/nologin
gnome-initial-setup:/bin/false
hplip:/bin/false
gdm:/bin/false
vgarcia:/bin/bash
vboxadd:/bin/false
_flatpak:/usr/sbin/nologin
vgarcia@cis106:~$ █
```

```
vgarcia@cis106:~$ cut -d ":" -f1,7 --output-delimiter=" " /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
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
messagebus = /usr/sbin/nologin
systemd-timesync = /usr/sbin/nologin
syslog = /usr/sbin/nologin
_apt = /usr/sbin/nologin
tss = /bin/false
uuidd = /usr/sbin/nologin
systemd-oom = /usr/sbin/nologin
tcpdump = /usr/sbin/nologin
avahi-autoipd = /usr/sbin/nologin
usbmux = /usr/sbin/nologin
dnsmasq = /usr/sbin/nologin
kernoops = /usr/sbin/nologin
avahi = /usr/sbin/nologin
cups-pk-helper = /usr/sbin/nologin
rtkit = /usr/sbin/nologin
whoopsie = /bin/false
sssd = /usr/sbin/nologin
speech-dispatcher = /bin/false
fwupd-refresh = /usr/sbin/nologin
nm-openvpn = /usr/sbin/nologin
saned = /usr/sbin/nologin
colord = /usr/sbin/nologin
geoclue = /usr/sbin/nologin
pulse = /usr/sbin/nologin
gnome-initial-setup = /bin/false
hplip = /bin/false
gdm = /bin/false
vgarcia = /bin/bash
vboxadd = /bin/false
_flatpak = /usr/sbin/nologin
vgarcia@cis106:~$ █
```

```
vgarcia@cis106:~$ cut -d ":" --complement -s -f3 /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:/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
messagebus:x:105::/nonexistent:/usr/sbin/nologin
systemd-timesync:x:106:systemd Time Synchronization,,,:/run/systemd:/usr/sbin/nologin
syslog:x:111::/home/syslog:/usr/sbin/nologin
_apt:x:65534::/nonexistent:/usr/sbin/nologin
tss:x:113:TPM software stack,,,:/var/lib/tpm:/bin/false
uuidd:x:116::/run/uuidd:/usr/sbin/nologin
systemd-oom:x:117:systemd Userspace OOM Killer,,,:/run/systemd:/usr/sbin/nologin
tcpdump:x:118::/nonexistent:/usr/sbin/nologin
avahi-autoipd:x:119:Avahi autoip daemon,,,:/var/lib/avahi-autoipd:/usr/sbin/nologin
usbmux:x:46:usbmux daemon,,,:/var/lib/usbmux:/usr/sbin/nologin
dnsmasq:x:65534:dnsmasq,,,:/var/lib/misc:/usr/sbin/nologin
kernoops:x:65534:KernelOops Tracking Daemon,,,:/usr/sbin/nologin
avahi:x:121:Avahi mDNS daemon,,,:/run/avahi-daemon:/usr/sbin/nologin
cups-pk-helper:x:122:user for cups-pk-helper service,,,:/home/cups-pk-helper:/usr/sbin/nologin
rtkit:x:123:RealtimeKit,,,:/proc:/usr/sbin/nologin
whoopsie:x:124::/nonexistent:/bin/false
sssd:x:125:sssd system user,,,:/var/lib/sssd:/usr/sbin/nologin
speech-dispatcher:x:29:Speech Dispatcher,,,:/run/speech-dispatcher:/bin/false
fwupd-refresh:x:126:fwupd-refresh user,,,:/run/systemd:/usr/sbin/nologin
nm-openvpn:x:127:NetworkManager OpenVPN,,,:/var/lib/openvpn/chroot:/usr/sbin/nologin
saned:x:129::/var/lib/saned:/usr/sbin/nologin
colord:x:130:colord colour management daemon,,,:/var/lib/colord:/usr/sbin/nologin
geoclue:x:131::/var/lib/geoclue:/usr/sbin/nologin
pulse:x:132:PulseAudio daemon,,,:/run/pulse:/usr/sbin/nologin
gnome-initial-setup:x:65534::/run/gnome-initial-setup/:/bin/false
hplip:x:7:HPLIP system user,,,:/run/hplip:/bin/false
gdm:x:134:Gnome Display Manager:/var/lib/gdm3:/bin/false
vgarcia:x:1000:vanessa,,,:/home/vgarcia:/bin/bash
vboxadd:x:1::/var/run/vboxadd:/bin/false
_flatpak:x:138:Flatpak system-wide installation helper,,,:/nonexistent:/usr/sbin/nologin
vgarcia@cis106:~$ █
```

Question 3

```
vgarcia@cis106:~$ curl -s https://cis106.com/assets/shopping.txt
Eggs
Milk
Juice
Carrots
Potatoes vgarzia@cis106:~$  
vgarcia@cis106:~$ curl -s https://cis106.com/assets/tasks.txt
Do laundry
Play Bingo
Go to Work
Go to School
Pay Billsvgarcia@cis106:~$
```

```
vgarcia@cis106:~$ curl -s https://cis106.com/assets/shopping.txt
Eggs
Milk
Juice
Carrots
Potatoes vgarzia@cis106:~$  
vgarcia@cis106:~$ curl -s https://cis106.com/assets/tasks.txt
Do laundry
Play Bingo
Go to Work
Go to School
Pay Billsvgarcia@cis106:~$
```

```
vgarcia@cis106:~/Documents/Books$ wc -w pride-and-prejudice.txt
130412 pride-and-prejudice.txt
vgarcia@cis106:~/Documents/Books$ 

vgarcia@cis106:~/Documents/Books$ cd
vgarcia@cis106:~$ sort /etc/passwd
apt:x:105:65534::/nonexistent:/usr/sbin/nologin
avahi-autoipd:x:110:119:Avahi autoip daemon,,,:/var/lib/avahi-autoipd:/usr/sbin/nologin
avahi:x:114:121:Avahi mDNS daemon,,,:/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:123:130:colord colour management daemon,,,:/var/lib/colord:/usr/sbin/nologin
cups-pk-helper:x:115:122:user for cups-pk-helper service,,,:/home/cups-pk-helper:/usr/sbin
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
dnsmasq:x:112:65534:dnsmasq,,,:/var/lib/misc:/usr/sbin/nologin
flatpak:x:129:138:Flatpak system-wide installation helper,,,:/nonexistent:/usr/sbin/nologin
fwupd-refresh:x:120:126:fwupd-refresh user,,,:/run/systemd:/usr/sbin/nologin
games:x:5:60:games:/usr/games:/usr/sbin/nologin
gdm:x:128:134:Gnome Display Manager:/var/lib/gdm3:/bin/false
geoclue:x:124:131::/var/lib/geoclue:/usr/sbin/nologin
gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin
gnome-initial-setup:x:126:65534::/run/gnome-initial-setup:/bin/false
hplip:x:127:7:HPLIP system user,,,:/run/hplip:/bin/false
irc:x:39:39:ircd:/run/ircd:/usr/sbin/nologin
kernoops:x:113:65534:Kernel Oops Tracking Daemon,,,:/usr/sbin/nologin
list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
messagebus:x:102:105::/nonexistent:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
nm-openvpn:x:121:127:NetworkManager OpenVPN,,,:/var/lib/openvpn/chroot:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
pulse:x:125:132:PulseAudio daemon,,,:/run/pulse:/usr/sbin/nologin
root:x:0:0:root:/root:/bin/bash
rtkit:x:116:123:RealtimeKit,,,:/proc:/usr/sbin/nologin
saned:x:122:129::/var/lib/saned:/usr/sbin/nologin
speech-dispatcher:x:119:29:Speech Dispatcher,,,:/run/speech-dispatcher:/bin/false
sssd:x:118:125:sssd system user,,,:/var/lib/sssd:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin sync
syslog:x:104:111::/home/syslog:/usr/sbin/nologin
systemd-network:x:100:102:systemd Network Management,,,:/run/systemd:/usr/sbin/nologin
systemd-oom:x:108:117:systemd Userspace OOM Killer,,,:/run/systemd:/usr/sbin/nologin
systemd-resolve:x:101:103:systemd Resolver,,,:/run/systemd:/usr/sbin/nologin
systemd-timesync:x:103:106:systemd Time Synchronization,,,:/run/systemd:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
tcpdump:x:109:118::/nonexistent:/usr/sbin/nologin
tss:x:106:113:TPM software stack,,,:/var/lib/tpm:/bin/false
usbmux:x:111:46:usbmux daemon,,,:/var/lib/usbmux:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
uuidd:x:107:116::/run/uuidd:/usr/sbin/nologin
vboxadd:x:999:1::/var/run/vboxadd:/bin/false
vgarcia:x:1000:1000:vanessa,,,:/home/vgarcia:/bin/bash
whoopsie:x:117:124::/nonexistent:/bin/false
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
vgarcia@cis106:~$ 
```

Question 4


```
vgarcia@cis106:~/Documents/Csv$ cat cereal.csv | tr ';' ',' 
name,mfr,type,calories,protein,fat,sodium,fiber,carbo,sugars,potass,vitamins,shelf,weight,cups,rati
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,130,3,2,210,2,18,8,100,25,3,1,33,0.75,37.038562
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
Frosted Flakes,K,C,110,1,0,200,1,14,11,25,25,1,1,0.75,31.435973
Frosted Mini-Wheats,K,C,100,3,0,0,3,14,7,100,25,2,1,0.8,58.345141
Fruit & Fibre Dates, Walnuts, and Oats,P,C,120,3,2,160,5,12,10,200,25,3,1.25,0.67,40.917047
Fruitful Bran,K,C,120,3,0,240,5,14,12,190,25,3,1,33,0.67,41.015492
Fruity Pebbles,P,C,110,1,1,135,0,13,12,25,25,2,1,0.75,28.025765
Golden Crisp,P,C,100,2,0,45,0,11,15,40,25,1,1,0.88,35.252444
Golden Grahams,G,C,110,1,1,280,0,15,9,45,25,2,1,0.75,23.804043
Grape Nuts Flakes,P,C,100,3,1,140,3,15,5,85,25,3,1,0.88,52.076897
Grape-Nuts,P,C,110,3,0,170,3,17,3,90,25,3,1,0.25,53.371007
Great Grains Pecan,P,C,120,3,3,75,3,13,4,100,25,3,1,0.33,45.811716
Honey Graham Ohs,Q,C,120,1,2,220,1,12,11,45,25,2,1,1,21.871292
Honey Nut Cheerios,G,C,110,3,1,250,1,5,11,5,10,90,25,1,1,0.75,31.072217
Honey-comb,P,C,110,1,0,180,0,14,11,35,25,1,1,1,33,28.742414
Just Right Crunchy Nuggets,K,C,110,2,1,170,1,17,6,60,100,3,1,1,36.523683
Just Right Fruit & Nut,K,C,140,3,1,170,2,20,9,95,100,3,1,3,0.75,36.471512
Kix,G,C,110,2,1,260,0,21,3,40,25,2,1,1.5,39.241114
Life,Q,C,100,4,2,150,2,12,6,95,25,2,1,0.67,45.328074
Lucky Charms,G,C,110,2,1,180,0,12,12,55,25,2,1,1,26.734515
Maypo,A,H,100,4,1,0,0,16,3,95,25,2,1,1,54.850917

Muesli Raisins, Dates, & Almonds,R,C,150,4,3,95,3,16,11,170,25,3,1,1,37.136863
Muesli Raisins, Peaches, & Pecans,R,C,150,4,3,150,3,16,11,170,25,3,1,1,34.139765
Mueslix Crispy Blend,K,C,160,3,2,150,3,17,13,160,25,3,1.5,0.67,30.313351
Multi-Grain Cheerios,G,C,100,2,1,220,2,15,6,90,25,1,1,1,40.105965
Nut&Honey Crunch,K,C,120,2,1,190,0,15,9,40,25,2,1,0.67,29.924285
Nutri-Grain Almond-Raisin,K,C,140,3,2,220,3,21,7,130,25,3,1.33,0.67,40.692320
Nutri-grain Wheat,K,C,90,3,0,170,3,18,2,90,25,3,1,1,59.642837
Oatmeal Raisin Crisp,G,C,130,3,2,170,1,5,13,5,10,120,25,3,1.25,0.5,30.450843
Post Nat. Raisin Bran,P,C,120,3,1,200,6,11,14,260,25,3,1.33,0.67,37.840594
Product 19,K,C,100,3,0,320,1,20,3,45,100,3,1,1,41.503540
Puffed Rice,Q,C,50,1,0,0,0,13,0,15,0,3,0.5,1,60.756112
Puffed Wheat,Q,C,50,2,0,0,1,10,0,50,0,3,0.5,1,63.005645
Quaker Oat Squares,Q,C,100,4,1,135,2,14,6,110,25,3,1,0.5,49.511874
Quaker Oatmeal,Q,H,100,5,2,0,2.7,-1,-1,110,0,1,1,0.67,50.828392
Raisin Bran,K,C,120,3,1,210,5,14,12,240,25,2,1,33,0.75,39.259197
Raisin Nut Bran,G,C,100,3,2,140,2,5,10,5,8,140,25,3,1,0.5,39.703400
Raisin Squares,K,C,90,2,0,0,2,15,6,110,25,3,1,0.5,55.333142
Rice Chex,R,C,110,1,0,240,0,23,2,30,25,1,1,1,13,41.998933
Rice Krispies,K,C,110,2,0,290,0,22,3,35,25,1,1,1,40.560159
Shredded Wheat,N,C,80,2,0,0,3,16,0,95,0,1,0.83,1,68.235885
Shredded Wheat 'n'Bran,N,C,90,3,0,0,4,19,0,140,0,1,1,0.67,74.472949
Shredded Wheat spoon size,N,C,90,3,0,0,3,20,0,120,0,1,1,0.67,72.801787
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Smacks,K,C,110,2,1,70,1,9,15,40,25,2,1,0.75,31.230054
Special K,K,C,110,6,0,230,1,16,3,55,25,1,1,1,53.131324
Strawberry Fruit Wheats,N,C,90,2,0,15,3,15,5,90,25,2,1,1,59.363993
Total Corn Flakes,G,C,110,2,1,200,0,21,3,35,100,3,1,1,38.839746
Total Raisin Bran,G,C,140,3,1,190,4,15,14,230,100,3,1.5,1,28.592785
Total Whole Grain,G,C,100,3,1,200,3,16,3,110,100,3,1,1,46.658844
Triples,G,C,110,2,1,250,0,21,3,60,25,3,1,0.75,39.106174
Trix,G,C,110,1,1,140,0,13,12,25,25,2,1,1,27.753301
Wheat Chex,R,C,100,3,1,230,3,17,3,115,25,1,1,0.67,49.787445
Wheaties,G,C,100,3,1,200,3,17,3,110,25,1,1,1,51.592193
Wheaties Honey Gold,G,C,110,2,1,200,1,16,8,60,25,1,1,0.75,36.187559
vgarcia@cis106:~/Documents/Csv\$ █

vgarcia@cis106:~/Documents/Books\$ grep 'love' pride-and-prejudice.txt
 by allowance" and "loving with personal **love**." This distinction applies to their best work than in the case of those others who are **loved** "by proper thing to **love** them. And in the sect--fairly large and yet All the minor passages--the **loves** of Jane and Bingley, the advent of Mr. aversion to actual **love**. I do not know whether the all-grasping hand of his falling in **love** at all is not extremely probable. Here again I injured in disposition, and thoroughly in **love**. As for his being in **love**, Elizabeth has given as just an exposition of the causes of that anybody who can read between lines will not find the **lovers'** ladies with whom it might be a pleasure to fall in **love**; there are at Grant. I should have been most in **love** with Beatrix and Argemone; I "So much **love** and eloquence" 156

may fall in **love** with one of them, and therefore you must visit him as persuade you at last. I was sure you **loved** your girls too well to for your sakes we would do anything. Lydia, my **love**, though you are dancing was a certain step towards falling in **love**; and very lively way to be very much in **love**; but she considered with pleasure that it very few of us who have heart enough to be really in **love** without in **love** as much as she chooses."

imagination is very rapid; it jumps from admiration to **love**, from **love** Jane, make haste and tell us; make haste, my **love**."

brother Gardiner's in town so much in **love** with her, that my discovered the efficacy of poetry in driving away **love**!"

"I have been used to consider poetry as the food of **love**," said Darcy. "Of a fine, stout, healthy **love** it may. Everything nourishes what is be a great loss to me to have many such acquaintance. I dearly **love** a to-day. Lydia, my **love**, ring the bell. I must speak to Hill this His plan did not vary on seeing them. Miss Bennet's **lovely** face effects of your **loveliness** and amiable qualifications. As I must, shall choose to attribute it to your wish of increasing my **love** by successful **love**; for Mrs. Bennet, having dawdled about in the vestibule in **love** with you and wants him to marry Miss Darcy. She follows him to is not such a simpleton. Could she have seen half as much **love** in Mr. of being in **love** with you, he is very much in **love** with her friend." she dared to hope that so much **love** and eloquence awaited her there.

"So much **love** and eloquence"

publish his prosperous **love**.

The possibility of Mr. Collins's fancying himself in **love** with her while her health was so indifferent, and **lovers** were of all people the dishonourable to the stability of her **lover**, she could not prevent its and, luckily for the others, the business of **love**-making relieved them you. I feel as if I had never done you justice, or **loved** you as you whom I really **love**, and still fewer of whom I think well. The more I see known her much longer than they have known me; no wonder if they **love** day, "your sister is crossed in **love**, I find. I congratulate her. Next to being married, a girl likes to be crossed in **love** a little now and After a week spent in professions of **love** and schemes of felicity, Mr. such as you describe Mr. Bingley, so easily falls in **love** with a pretty **love** with only a few days before."

"But that expression of 'violently in **love**' is so hackneyed, so Mr. Bingley's **love**?"

finer symptoms? Is not general incivility the very essence of **love**?" "Oh, yes! of that kind of **love** which I suppose him to have felt. Poor them, from what she saw, to be very seriously in **love**, their preference "You are too sensible a girl, Lizzy, to fall in **love** merely because you myself, and of Mr. Wickham too. He shall not be in **love** with me, if I "I beg your pardon. I will try again. At present I am not in **love** with that I have never been much in **love**; for had I really experienced that her a very good sort of girl. There can be no **love** in all this. My interesting object to all my acquaintance, were I distractedly in **love** delight as the rattle of the chaise. Elizabeth **loved** absurdities, but **lovely** as ever. On the stairs were a troop of little boys and girls, making **love** to a girl whom he did not care about, and who was equally discern any symptom of **love**; and from the whole of his behaviour to Miss gone. "My dear Eliza, he must be in **love** with you, or he would never **love**, and the object of that **love** her friend Eliza, she set herself pleasure in being at Hunsford, her **love** of solitary walks, and her objection,--all **loveliness** and goodness as she is! Her understanding repressed. You must allow me to tell you how ardently I admire and **love** happiness of a most **beloved** sister?"

Mr. Darcy! that he should have been in **love** with her for so many months! so much in **love** as to wish to marry her in spite of all the objections in **love** before. At that ball, while I had the honour of dancing with persuaded to believe herself in **love** and to consent to an elopement. She discovery! Yet, how just a humiliation! Had I been in **love**, I could not have been more wretchedly blind. But vanity, not **love**, has been my **love** before, her regard had all the warmth of first attachment, and from some of your **lovers**? Poor little Lizzy! But do not be cast down. Such "Do not make yourself uneasy, my **love**. Wherever you and Jane are known, "My **love**, should not you like to see a place of which you have heard so work such a change as this. It is impossible that he should still **love** it was to **love**. Of the lady's sensations they remained a little in it was evident that he was very much in **love** with her. They saw much to **loved** her, but for loving her still well enough to forgive all the gratitude--for to **love**, ardent **love**, it must be attributed; and, as pain she was then giving her **beloved** friend, she undoubtedly would have Georgiana without the power of finding her otherwise than **lovely** and wishes; and never had she so honestly felt that she could have **loved** him, as now, when all **love** must be vain.

"But can you think that Lydia is so lost to everything but **love** of him, Since the ----shire were first quartered in Meryton, nothing but **love**, being in **love** with each other many weeks."

world I **love**, and he is an angel. I should never be happy without up. Good-bye. Give my **love** to Colonel Forster. I hope you will husband's **love** of independence had alone prevented their exceeding their next to him, and took off my **glove** and let my hand just rest upon the their elopement had been brought on by the strength of her **love** rather to make it impossible for any young woman of character to **love** or the house, "as ever I saw. He simpers, and smirks, and makes **love** to us **lover**. When first he came in, he had spoken to her but little, but every "I think you are in very great danger of making him as much in **love** with expect a renewal of his **love**? Is there one among the sex who would not "That is a question which I hardly know how to answer. We all **love** to "Come here, my **love**, I want to speak to you," took her out of the room. everything that was charming, except the professed **lover** of her

and in spite of his being a **lover**, Elizabeth really believed all his really **loved** me, and nothing but a persuasion of my being indifferent warmly as a man violently in **love** can be supposed to do. Had Elizabeth still have been but for you, dearest, **loveliest** Elizabeth! What do I not that my sister **loved** him, or merely from my information last spring?" acknowledged **lovers** talked and laughed; the unacknowledged were silent. am in earnest. I speak nothing but the truth. He still **loves** me, and we did not always **love** him so well as I do now; but in such cases as these really **love** him quite well enough? Oh, Lizzy! do anything rather than "Why, I must confess that I **love** him better than I do Bingley. I am how long you have **loved** him?"

always had a value for him. Were it for nothing but his **love** of you, I "I do, I do like him," she replied, with tears in her eyes; "I **love** him. paid him; but these violent young **lovers** carry everything their own his **love** for you, and there will be an end of the matter."

lover to any of them. She began at length to recover, to fidget about in But, my dearest **love**, tell me what dish Mr. Darcy is particularly fond Darcy to account for his having ever fallen in **love** with her. "How could of that when they fall in **love**."

for she **loves** to be of use. But tell me, what did you come down to might ever hope to make you **love** me. My avowed one, or what I avowed to only smiles, I laugh. Mr. Darcy sends you all the **love** in the world that being **loved** by her sister.

"I wish you joy. If you **love** Mr. Darcy half so well as I do my dear was exactly what Darcy had hoped to see. They were able to **love** each as well as Elizabeth, really **loved** them; and they were both ever

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99:by allowance" and "loving with personal **love**." This distinction applies
103:to their best work than in the case of those others who are **loved** "by
105:proper thing to **love** them. And in the sect--fairly large and yet
153:All the minor passages--the **loves** of Jane and Bingley, the advent of Mr.
166:aversion to actual **love**. I do not know whether the all-grasping hand of
396:his falling in **love** at all is not extremely probable. Here again I
408:injured in disposition, and thoroughly in **love**. As for his being in
409:**love**, Elizabeth has given as just an exposition of the causes of that
461:anybody who can read between lines will not find the **lovers'**
470:ladies with whom it might be a pleasure to fall in **love**; there are at
474:Grant. I should have been most in **love** with Beatrix and Argemone; I
575:"So much **love** and eloquence" 156
756: may fall in **love** with one of them, and therefore you must visit him as
921:persuade you at last. I was sure you **loved** your girls too well to
933:for your sakes we would do anything. Lydia, my **love**, though you are
972:dancing was a certain step towards falling in **love**; and very lively
1048:"Come, Darcy," said he, "I must have you dance. I **hate** to see you
1415:way to be very much in **love**; but she considered with pleasure that it
1430:very few of us who have heart enough to be really in **love** without
1450:in **love** as much as she chooses."
1657:imagination is very rapid; it jumps from admiration to **love**, from **love**
1764:Jane, make haste and tell us; make haste, my **love**."
1991:"To walk three miles, or four miles, or five miles, or **whatever** it is,
2165:to employ for captivation. **Whatever** bears affinity to cunning is
2245:"**Whatever** I do is done in a hurry," replied he; "and therefore if I
2334:brother Gardiner's in town so much in **love** with her, that my
2341:discovered the efficacy of poetry in driving away **love**!"
2343:"I have been used to consider poetry as the food of **love**," said Darcy.
2345:"Of a fine, stout, healthy **love** it may. Everything nourishes what is
2572:thankful; and then you may say **whatever** you like of me."

2821:be a great loss to me to have many such acquaintance. I dearly **love** a
2868:"And your defect is a propensity to **hate** everybody."
2986:to-day. Lydia, my **love**, ring the bell. I must speak to Hill this
3020:him to write to you at all, and very hypocritical. I **hate** such false
3325:His plan did not vary on seeing them. Miss Bennet's **lovely** face
3658:different sort of men, and that he **hates** me."
3826:everybody. **Whatever** he said, was said well; and **whatever** he did, done
3862:throw into the account of accident or mistake **whatever** could not be
3937:scruple **whatever** on that head, and was very far from dreading a rebuke,
4048:a man agreeable whom one is determined to **hate**! Do not wish me such an
4070:He smiled, and assured her that **whatever** she wished him to say should be
4705:effects of your **loveliness** and amiable qualifications. As I must,
4707:shall choose to attribute it to your wish of increasing my **love** by
4710:"I do assure you, sir, that I have no pretensions **whatever** to that kind
4745:successful **love**; for Mrs. Bennet, having dawdled about in the vestibule
5074:in **love** with you and wants him to marry Miss Darcy. She follows him to
5082:is not such a simpleton. Could she have seen half as much **love** in Mr.
5093:of being in **love** with you, he is very much in **love** with her friend."
5185:she dared to hope that so much **love** and eloquence awaited her there.
5207: "So much **love** and eloquence"
5241:publish his prosperous **love**.
5290:The possibility of Mr. Collins's fancying himself in **love** with her
5445:and exceedingly troublesome. She **hated** having visitors in the house
5446:while her health was so indifferent, and **lovers** were of all people the
5461:dishonourable to the stability of her **lover**, she could not prevent its
5468:painful than Elizabeth's: but **whatever** she felt she was desirous of
5480:and, luckily for the others, the business of **love**-making relieved them
5568:**whatever** manner he thought best; but her sister's was involved in it, as
5603:you. I feel as if I had never done you justice, or **loved** you as you
5614:whom I really **love**, and still fewer of whom I think well. The more I see

5684:known her much longer than they have known me; no wonder if they **love**
5685:her better. But, **whatever** may be their own wishes, it is very unlikely
5710:day, "your sister is crossed in **love**, I find. I congratulate her. Next
5711:to being married, a girl likes to be crossed in **love** a little now and
5721:"True," said Mr. Bennet; "but it is a comfort to think that, **whatever** of
5753:After a week spent in professions of **love** and schemes of felicity, Mr.
5805:such as you describe Mr. Bingley, so easily falls in **love** with a pretty
5819:**love** with only a few days before."
5821:"But that expression of 'violently in **love**' is so hackneyed, so
5825:Mr. Bingley's **love**?"
5832:finer symptoms? Is not general incivility the very essence of **love**?"
5834:"Oh, yes! of that kind of **love** which I suppose him to have felt. Poor
5887:them, from what she saw, to be very seriously in **love**, their preference
5934:"You are too sensible a girl, Lizzy, to fall in **love** merely because you
5950:myself, and of Mr. Wickham too. He shall not be in **love** with me, if I
5955:"I beg your pardon. I will try again. At present I am not in **love** with
6094: deservedly dear as he is to his sister, **whatever** anxiety she may
6143:that I have never been much in **love**; for had I really experienced that
6147:out that I **hate** her at all, or that I am in the least unwilling to think
6148:her a very good sort of girl. There can be no **love** in all this. My
6150:interesting object to all my acquaintance, were I distractedly in **love**
6212:delight as the rattle of the chaise. Elizabeth **loved** absurdities, but
6222:**lovely** as ever. On the stairs were a troop of little boys and girls,
6262:making **love** to a girl whom he did not care about, and who was equally
6527:**whatever** of your clothes is superior to the rest--there is no occasion
6574:silence: but **whatever** she said was spoken in so authoritative a tone as
6601:was now enough recovered to echo **whatever** his son-in-law said, in a
6663:"My mother would have no objection, but my father **hates** London."
6877:reserve, to Mrs. Collins; and **whatever** might be his feelings towards her
7071:his mother's opinion of **love**, and from the whole of his behaviour to Miss

7071: discern any symptom of **love**; and from the whole of his behaviour to Miss
7212: gone. "My dear Eliza, he must be in **love** with you, or he would never
7243: **love**, and the object of that **love** her friend Eliza, she set herself
7289: pleasure in being at Hunsford, her **love** of solitary walks, and her
7463: objection,--all **loveliness** and goodness as she is! Her understanding
7535: repressed. You must allow me to tell you how ardently I admire and **love**
7595: happiness of a most **beloved** sister?"
7698: Mr. Darcy! that he should have been in **love** with her for so many months!
7699: so much in **love** as to wish to marry her in spite of all the objections
7799: in **love** before. At that ball, while I had the honour of dancing with
7894: only can tell. But **whatever** may be the sentiments which Mr. Wickham has
7947: persuaded to believe herself in **love** and to consent to an elopement. She
8108: **hatefully** mercenary; and the mediocrity of her fortune proved no longer
8138: discovery! Yet, how just a humiliation! Had I been in **love**, I could not
8139: have been more wretchedly blind. But vanity, not **love**, has been my
8476: Jane, and must, at the same time, so highly gratify **whatever** of her own
8805: **love** before, her regard had all the warmth of first attachment, and from
8955: some of your **lovers**? Poor little Lizzy! But do not be cast down. Such
8983: "Do not make yourself uneasy, my **love**. Wherever you and Jane are known,
9043: reproof contained in his believing, that however long, and for **whatever**
9285: "My **love**, should not you like to see a place of which you have heard so
9527: the room. "And this is always the way with him," she added. "**Whatever**
9715: work such a change as this. It is impossible that he should still **love**
9749: that **whatever** desire Miss Darcy might have of being acquainted with her,
9914: it was to **love**. Of the lady's sensations they remained a little in
10005: it was evident that he was very much in **love** with her. They saw much to
10034: certainly did not **hate** him. No; hatred had vanished long ago, and she
10044: **loved** her, but for loving her still well enough to forgive all the
10053: gratitude--for to **love**, ardent **love**, it must be attributed; and, as
10180: pain she was then giving her **beloved** friend, she undoubtedly would have
10210: Georgiana without the power of finding her otherwise than **lovely** and
10458: wishes; and never had she so honestly felt that she could have **loved**

10459:him, as now, when all **love** must be vain.
10638:"But can you think that Lydia is so lost to everything but **love** of him,
10649:Since the ----shire were first quartered in Meryton, nothing but **love**,
10659:"Of whom does Jane ever think ill? And who is there, **whatever** might be
10897:being in **love** with each other many weeks."
10935: world I **love**, and he is an angel. I should never be happy without
10946: up. Good-bye. Give my **love** to Colonel Forster. I hope you will
10957:**Whatever** he might afterwards persuade her to, it was not on her side a
11101:**whatever** of good or bad was to be told would be communicated; and every
11176:leave it to him to do **whatever** occasion might suggest to be advisable
11470:"Take **whatever** you like, and get away."
11556:respect, Lydia need not have been indebted to her uncle for **whatever** of
11574:husband's **love** of independence had alone prevented their exceeding their
11643:affection **whatever** on the occasion. Mrs. Bennet could hardly comprehend
11847:next to him, and took off my **glove** and let my hand just rest upon the
11903:their elopement had been brought on by the strength of her **love** rather
12052: to make it impossible for any young woman of character to **love** or
12366:the house, "as ever I saw. He simpers, and smirks, and makes **love** to us
12498:say that I **hate** the very sight of him."
12629:**lover**. When first he came in, he had spoken to her but little, but every
12702:"I think you are in very great danger of making him as much in **love** with
12771:expect a renewal of his **love**? Is there one among the sex who would not
12851:"That is a question which I hardly know how to answer. We all **love** to
12920:"Come here, my **love**, I want to speak to you," took her out of the room.
12938:everything that was charming, except the professed **lover** of her
13022:and in spite of his being a **lover**, Elizabeth really believed all his
13106:really **loved** me, and nothing but a persuasion of my being indifferent
13381:"**Whatever** my connections may be," said Elizabeth, "if your nephew does
13740:warmly as a man violently in **love** can be supposed to do. Had Elizabeth
13810:make you **hate** me."
13844:still have been but for you, dearest, **love**liest Elizabeth! What do I not
13857:wrong. How you must have **hated** me after that evening!"
13859:"**Hate** you! I was angry, perhaps, at first, but my anger soon began to
13919:that my sister **loved** him, or merely from my information last spring?"
13970:acknowledged **lovers** talked and laughed; the unacknowledged were silent.
13987:am in earnest. I speak nothing but the truth. He still **loves** me, and we
13994:did not always **love** him so well as I do now; but in such cases as these
14012:really **love** him quite well enough? Oh, Lizzy! do anything rather than
14021:"Why, I must confess that I **love** him better than I do Bingley. I am
14026:how long you have **loved** him?"
14038:always had a value for him. Were it for nothing but his **love** of you, I
14110:accepting this man? Have not you always **hated** him?"
14128:"I do, I do like him," she replied, with tears in her eyes; "I **love** him.
14165:paid him; but these violent young **lovers** carry everything their own
14167:his **love** for you, and there will be an end of the matter."
14187:**lover** to any of them. She began at length to recover, to fidget about in
14208:But, my dearest **love**, tell me what dish Mr. Darcy is particularly fond
14246:Darcy to account for his having ever fallen in **love** with her. "How could
14267:amiable you would have **hated** me for it: but in spite of the pains you
14273:of that when they fall in **love**."
14314:for she **loves** to be of use. But tell me, what did you come down to
14319:might ever hope to make you **love** me. My avowed one, or what I avowed to
14353:only smiles, I laugh. Mr. Darcy sends you all the **love** in the world that
14380:being **loved** by her sister.
14468:Elizabeth must now become acquainted with **whatever** of his ingratitude
14478:"I wish you joy. If you **love** Mr. Darcy half so well as I do my dear
14519:was exactly what Darcy had hoped to see. They were able to **love** each
14544:as well as Elizabeth, really **loved** them; and they were both ever
vgarcia@cis106:~/Documents/Books\$ █

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garcia@cis106:~/Documents/Books$ grep '^love' dracula.txt
ove you honestly, going away and looking all broken-hearted, and to
over; it's more unselfish anyhow. My dear, I'm going to have a pretty
over, such a husband, and such a friend.
ovelier than ever, and we drove up to the house at the Crescent in
ove her. One, two, three, all open their veins for her, besides one old
ove and pride, seen you grow up. Now I want you to make your home here
ove me, and he loves me, and I love you with all the moods and tenses
oveliness had come back to her in death, and the hours that had passed,
oveliness. It frightened and amazed me somewhat; and as for Arthur, he
ove her. Oh, Madam Mina, by that love, I implore you, help me. It is
over, but only her physician and her friend. I gave to her my nights
oved and honoured as our host is, everything regarding him is of
ove and from the good, good wishes of those other strong men.
ove Mina, I know. Oh, do something to save her. It cannot have gone too
oved him and honoured him more than I can say, and that my latest and
oved her, that they did dare much for her sake."
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garcia@cis106:~/Documents/Books$ 
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vgarcia@cis106:~/Documents/Books$ grep -E '^[A-Z]|^(0-9)' dracula.txt
This eBook is for the use of anyone anywhere in the United States and
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Title: Dracula
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Author: Bram Stoker
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Release Date: October, 1995 [eBook #345]
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Language: English
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How these papers have been placed in sequence will be made manifest in
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DRACULA
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CHAPTER I**JONATHAN HARKER'S JOURNAL**

(Kept in shorthand.)

Vienna early next morning; should have arrived at 6:46, but train was an East; the most western of splendid bridges over the Danube, which is. 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 Carpathians. I found my smattering of German very useful here; indeed, I 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 Transylvania, Moldavia and Bukovina, in the midst of the Carpathian Castle Dracula, as there are no maps of this country as yet to compare 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 I did not sleep well, though my bed was comfortable enough, for I had I had for breakfast more paprika, and a sort of porridge of maize flour All day long we seemed to dawdle through a country which was full of Slovaks, who were more barbarian than the rest, with their big cow-boy It was on the dark side of twilight when we got to Bistritz, which is a Borgo Pass leads from it into Bukovina--it has had a very stormy Count Dracula had directed me to go to the Golden Krone Hotel, which I Just before I was leaving, the old lady came up to my room and said in a She shook her head as she said again:

She was in such evident distress that I tried to comfort her, but When I got on the coach the driver had not taken his seat, and I saw him When we started, the crowd round the inn door, which had by this time I soon lost sight and recollection of ghostly fears in the beauty of the Turk should think that they were preparing to bring in foreign troops, Beyond the green swelling hills of the Mittel Land rose mighty slopes As we wound on our endless way, and the sun sank lower and lower behind Pass, the dark firs stood out here and there against the background of Carpathians seem to wind ceaselessly through the valleys. Sometimes the When it grew dark there seemed to be some excitement amongst the Bistritz--the sign of the cross and the guard against the evil eye. Then, as we flew along, the driver leaned forward, and on each side the The passengers drew back with a sigh of gladness, which seemed to mock The strange driver evidently heard the words, for he looked up with a I really feared to do so, for I thought that, placed as I was, any Then a dog began to howl somewhere in a farmhouse far down the road--a Soon we were hemmed in with trees, which in places arched right over the It grew colder and colder still, and fine, powdery snow began to fall, Suddenly, away on our left, I saw a faint flickering blue flame. The I wondered the driver suddenly appeared again, and without a word took Once the flame appeared so near the road, that even in the darkness At last there came a time when the driver went further afield than he For myself, I felt a sort of paralysis of fear. It is only when a man All at once the wolves began to howl as though the moonlight had had When I could see again the driver was climbing into the calèche, and the

CHAPTER II**JONATHAN HARKER'S JOURNAL-- continued**

When the calèche stopped, the driver jumped down and held out his hand I stood in silence where I was, for I did not know what to do. Of bell What sort of grim adventure was it on which I had embarked? Was this a London I got word that my examination was successful; and I am now a T were awake. It all seemed like a horrible nightmare to me and T

Just as I had come to this conclusion I heard a heavy step approaching Within, stood a tall old man, clean shaven save for a long white I had stepped over the threshold, he moved impulsively forward, and The Count halted, putting down my bags, closed the door, and crossing The light and warmth and the Count's courteous welcome seemed to have I discovered that I was half famished with hunger; so making a hasty I found supper already laid out. My host, who stood on one side of the I handed to him the sealed letter which Mr. Hawkins had entrusted to me. He opened it and read it gravely; then, with a charming smile, he handed The Count himself came forward and took off the cover of a dish, and I By this time I had finished my supper, and by my host's desire had drawn His face was a strong--a very strong--aquiline, with high bridge of the Hitherto I had noticed the backs of his hands as they lay on his knees Seeing, I suppose, some expression in my face strange to him, he I am all in a sea of wonders. I doubt; I fear; I think strange things, There are certainly odd deficiencies in the house, considering the The curtains and upholstery of the chairs and sofas and the hangings of Some time after I had finished my meal--I do not know whether to call it In the library I found, to my great delight, a vast number of English London Directory, the "Red" and "Blue" books, Whitaker's Almanac, the Army and Navy Lists, and--it somehow gladdened my heart to see it--the Law List.

Whilst I was looking at the books, the door opened, and the Count To you, my friend, I look that I know it to speak." London, none there are who would not know me for a stranger. That is not Hawkins, of Exeter, to tell me all about my new estate in London. You Of course I said all I could about being willing, and asked if I might This led to much conversation; and as it was evident that he wanted to Sometimes he sheered off the subject, or turned the conversation by

Law List.

Whilst I was looking at the books, the door opened, and the Count To you, my friend, I look that I know it to speak." London, none there are who would not know me for a stranger. That is not Hawkins, of Exeter, to tell me all about my new estate in London. You Of course I said all I could about being willing, and asked if I might This led to much conversation; and as it was evident that he wanted to Sometimes he sheered off the subject, or turned the conversation by Wallachian, the Saxon, and the Turk. Why, there is hardly a foot of soil Austrian and the Hungarian came up in hordes, and the patriots went out The Count smiled, and as his lips ran back over his gums, the long, I shall be all alone, and my friend Harker Jonathan--nay, pardon me, I Jonathan Harker will not be by my side to correct and aid me. He will be We went thoroughly into the business of the purchase of the estate at Purfleet. When I had told him the facts and got his signature to the Mr. Hawkins, he began to ask me how I had come across so suitable a Face_, as the house is four-sided, agreeing with the cardinal points of When I had finished, he said---

Presently, with an excuse, he left me, asking me to put all my papers England, as if that map had been much used. On looking at it I found in Yorkshire coast.

It was the better part of an hour when the Count returned. "Aha!" he Count again excused himself, as he had dined out on his being away from After supper I smoked, as on the last evening, and the Count stayed with They say that people who are near death die generally at the change to Dracula, jumping to his feet, said-- England less interesting, so that I may not forget how time flies by I went into my own room and drew the curtains, but there was little to I only slept a few hours when I went to bed, and feeling that I could

This time there could be no error, for the man was close to me, and I when I went into the dining-room, breakfast was prepared; but I could But I am not in heart to describe beauty, for when I had seen the view I The castle is a veritable prison, and I am a prisoner!

CHAPTER III

JONATHAN HARKER'S JOURNAL-- continued

When I found that I was a prisoner a sort of wild feeling came over me. I rushed up and down the stairs, trying every door and peering out of I had hardly come to this conclusion when I heard the great door below This gave me a fright, for if there is no one else in the castle, it Dracula, as it may help me to understand. To-night he may talk of Iceland the fighting spirit which Thor and Wodin gave them, which their Berserkers displayed to such fell intent on the seaboards of Europe, ay, Attila, whose blood is in these veins?" He held up his arms. "Is it a Magyar, the Lombard, the Avar, the Bulgar, or the Turk poured his Arpad and his legions swept through the Hungarian fatherland he found us Turk and brought the shame of slavery on them! Was it not this Dracula, Hungarian yoke, we of the Dracula blood were amongst their leaders, for Szekelys--and the Dracula as their heart's blood, their brains, and Hapsburgs and the Romanoffs can never reach. The warlike days are over. Blood is too precious a thing in these days of dishonourable peace; and It was by this time close on morning, and we went to bed. (_Mem._, this First, he asked if a man in England might have two solicitors or more. I London, buys for me through your good self my place at London. Good! Now I, who have much of affairs, wish to ship goods, say, to Newcastle, or Durham, or Harwich, or Dover, might it not be that it could with more Hawkins, or to any other?" It was with some bitterness in my heart that I answered that I had not, that as yet I had not seen any opportunity of What could I do but bow acceptance? It was Mr. Hawkins's interest, not Dracula was speaking, there was that in his eyes and in his bearing I could.

One of the letters was directed to Samuel F. Billington, No. 7, The Crescent, Whitby, another to Herr Leutner, Varna; the third was to Coutts & Co., London, and the fourth to Herren Klopstock & Billreuth, When he left me I went to my room. After a little while, not hearing any It is destroying my nerve. I start at my own shadow, and am full of all What I saw was the Count's head coming out from the window. I did not What manner of man is this, or what manner of creature is it in the He moved downwards in a sidelong way, some hundred feet down, and a good I could enter. I was now in a wing of the castle further to the right Whilst I live on here there is but one thing to hope for, that I may not The habit of entering accurately must help to soothe me. The Count's mysterious warning frightened me at the time; it frightens When I had written in my diary and had fortunately replaced the book and I was not alone. The room was the same, unchanged in any way since I

van helsing rose up from where he had all the time been seated, and

CHAPTER XVI

DR. SEWARD'S DIARY-- continued

It was just a quarter before twelve o'clock when we got into the He then lit a dark lantern and pointed to the coffin. Arthur stepped Van Helsing forced back the leaden flange, and we all looked in and The coffin was empty!

For several minutes no one spoke a word. The silence was broken by Quincey Morris:--

Is this your doing?"

I came here--with good purpose, believe me. I opened that coffin, which So"--here he shut the dark slide of his lantern--"now to the outside." He opened the door, and we filed out, he coming last and locking the Oh! but it seemed fresh and pure in the night air after the terror of Morris was phlegmatic in the way of a man who accepts all things, and Arthur. Van Helsing reverently lifted his hat as he answered:-- There was a long spell of silence, a big, aching void, and then from the

Professor a keen "S-s-s-s!" He pointed; and far down the avenue of yews We could not see the face, for it was bent down over what we saw to be a Lucy Westenra. Lucy Westenra, but yet how changed. The sweetness was We shuddered with horror. I could see by the tremulous light that even Van Helsing's iron nerve had failed. Arthur was next to me, and if I had When Lucy--I call the thing that was before us Lucy because it bore her She still advanced, however, and with a languorous, voluptuous grace, There was something diabolically sweet in her tones--something of the When within a foot or two of the door, however, she stopped, as if And so for full half a minute, which seemed an eternity, she remained Arthur threw himself on his knees, and hid his face in his hands, as he When this was done, he lifted the child and said:
Arthur and Quincey came home with me, and we tried to cheer each other Quincey Morris, and myself--called for the Professor. It was odd to When we were alone and had heard the last of the footsteps die out up Professor to the tomb. He unlocked the door, and we entered, closing it She seemed like a nightmare of Lucy as she lay there; the pointed teeth, When all was ready, Van Helsing said:--

The career of this so unhappy dear lady is but just begun. Those To this I am willing; but is there none amongst us who has a better We all looked at Arthur. He saw, too, what we all did, the infinite Lucy to us as a holy, and not an unholy, memory; he stepped forward and Arthur took the stake and the hammer, and when once his mind was set on The Thing in the coffin writhed; and a hideous, blood-curdling screech And then the writhing and quivering of the body became less, and the The hammer fell from Arthur's hand. He reeled and would have fallen had There, in the coffin lay no longer the foul Thing that we had so dreaded Van Helsing came and laid his hand on Arthur's shoulder, and said to The reaction of the terrible strain came as he took the old man's hand Arthur bent and kissed her, and then we sent him and Quincey out of the Outside the air was sweet, the sun shone, and the birds sang, and it Before we moved away Van Helsing said:--

Each in turn, we took his hand, and the promise was made. Then said the Professor as we moved off:--

Then our promise shall be made to each other anew; for there is a
CHAPTER XVII

DR. SEWARD'S DIARY-- continued

When we arrived at the Berkeley Hotel, Van Helsing found a telegram The Professor was delighted. "Ah, that wonderful Madam Mina," he said, When the wire was despatched he had a cup of tea; over it he told me of The crowd melted away, after the bustling fashion common to arrival The blush that rose to my own cheeks somehow set us both at ease, for it In due time we arrived. She knew, of course, that the place was a She told me that, if she might, she would come presently to my study, as To my intense surprise, there was no one with him. He was quite alone, To my surprise, he answered, with a horrorstruck look in his face:-- Again he paused, and I could see that he was trying to invent an excuse. At length he stammered out:--

I said boldly:--

Then it was terrible; my intuition was right! For a moment I thought, He is certainly a man of noble nature; poor dear Lucy was right about But I know you now; and let me say that I should have known you long Harker and that other of his wife that I let the time run on without I went on with my work. I had just finished Mrs. Harker's diary, when It was like a soul crying out to Almighty God. No one must hear them I did."

Helsing saw us. He is gone to Whitby to get more information, and he

CHAPTER XXII

JONATHAN HARKER'S JOURNAL

When Dr. Van Helsing and Dr. Seward had come back from seeing poor Renfield, we went gravely into what was to be done. First, Dr. Seward asked the attendant who was on duty in the passage if he had Seward said to us, when we were alone, that he did not wish to go into When the question began to be discussed as to what should be our next Whatever may happen, it must be of new hope or of new courage to me!" Van Helsing was looking at her fixedly as she spoke, and said, suddenly She was pleased with the prospect of anything to do--if "pleased" could As usual Van Helsing had thought ahead of everyone else, and was Carfax we decided not to do anything with the earth-boxes that lay Piccadilly, we may track the very last of them. To-day, then, is ours; The Count may have many houses which he has bought. Of them he will have I was staggered; but I knew that if he wished to delay he had a good I could not but see how right he was and the terrible despair of Mina's Helsing went on:--

Lord Godalming stood up. "I can be of some use here," he said. "I shall Walworth or Mile End would attract too much attention for our purposes? It seems to me that we ought to take cabs when we go south or east; and Mina took a growing interest in everything and I was rejoiced to see When we came to the discussion of the sequence of our efforts and of the Count's lair close at hand. In case he should find it out too soon, we As to the disposal of forces, it was suggested by the Professor that, It was possible, if not likely, the Professor urged, that the Count Mina, I thought that my mind was made up on the subject; but Mina would Things have been as bad as they can be; and whatever may happen must He wishes it, guard me as well alone as with any one present." So I Did I forget! shall I ever--can I ever! Can any of us ever forget that Madam Mina," he said, "dear, dear Madam Mina, alas! that I of all who so Breakfast was a strange meal to us all. We tried to be cheerful and There was a fearful scream which almost froze our hearts to hear. As he Mina, my dear, my dear, may we who love you be there to see, when that His good pleasure, and that we ascend to His bidding as that other There was hope in his words, and comfort; and they made for resignation. Mina and I both felt so, and simultaneously we each took one of the old It was then time to start. So I said farewell to Mina, a parting which To one thing I have made up my mind: if we find out that Mina must be a We entered Carfax without trouble and found all things the same as on Dr. Van Helsing said to us solemnly as we stood before them:-- God." As he spoke he took from his bag a screwdriver and a wrench, and Sacred Wafer he laid it reverently on the earth, and then shutting down One by one we treated in the same way each of the great boxes, and left When we closed the door behind us, the Professor said solemnly:-- Mina's forehead all white as ivory and with no stain!" As we passed across the lawn on our way to the station to catch our I have written this in the train.

Lord Godalming said to me:--

Park. My heart beat as I saw the house on which so much of our hope was At length we saw a four-wheeler drive up. Out of it, in leisurely The workman took off his coat leisurely and hung it on one of the spikes Helsing's went cold altogether. We waited patiently as we saw the This he finally handed to Lord Godalming, who took out his purse and When the man had fairly gone, we three crossed the street and knocked at Lord Godalming lighting a cigar.

Our work was not over, and would never be until we should have found the Count was not at present in the house, and we proceeded to search for After a cursory glance at the rest of the rooms, from basement to attic,

CHAPTER XXIII**DR. SEWARD'S DIARY**

The poor fellow is overwhelmed in a misery that is appalling to see.
Last night he was a frank, happy-looking man, with strong, youthful
In some faculties of mind he has been, and is, only a child; but he is
Harker groaned and said, "And this is all arrayed against my darling!
But how is he experimenting? The knowledge may help us to defeat him!"
The Professor laid his hand tenderly on his shoulder as he spoke:--
John's home; for your Vampire, though in all afterwards he can come when
Whilst he was speaking we were startled by a knock at the hall door, the
There was a pause, broken by Jonathan Harker's voice:--
About half an hour after we had received Mrs. Harker's telegram, there
Helsing pulled back the latch, and, holding the door half open, stood
Mile End next. This took him some time; for he would then have to be
I could not but admire, even at such a moment, the way in which a
Godalming behind and Quincey in front stood just out of sight ready to

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Question 5

vgarcia@cis106.vt.edu /Documents/Csv\$ awk -F':'

```
CarOrigin
STRINGCAT
Chevrolet Chevelle MalibuUS
Buick Skylark 320US
Plymouth SatelliteUS
AMC Rebel SSTUS
Ford TorinoUS
Ford Galaxie 500US
Chevrolet ImpalaUS
Plymouth Fury iiiUS
Pontiac CatalinaUS
AMC Ambassador DPLUS
Citroen DS-21 PallasEurope
Chevrolet Chevelle Concours (sw)US
Ford Torino (sw)US
Plymouth Satellite (sw)US
AMC Rebel SST (sw)US
Dodge Challenger SEUS
Plymouth 'Cuda 340US
Ford Mustang Boss 302US
Chevrolet Monte CarloUS
Buick Estate Wagon (sw)US
Toyota Corolla Mark iiJapan
Plymouth DusterUS
AMC HornetUS
Ford MaverickUS
Datsun PL510Japan
Volkswagen 1131 Deluxe SedanEurope
Peugeot 504Europe
Audi 100 LSEurope
Saab 99eEurope
BMW 2002Europe
AMC GremlinUS
Ford F250US
Chevy C20US
Dodge D200US
Hi 1200DUS
Datsun PL510Japan
Chevrolet Vega 2300US
Toyota CorollaJapan
Ford PintoUS
Volkswagen Super Beetle 117Europe
AMC GremlinUS
Plymouth Satellite CustomUS
Chevrolet Chevelle MalibuUS
Ford Torino 500US
AMC MatadorUS
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AMC Ambassador
Chevrolet ImpalaUS
Pontiac Catalina BroughamUS
Ford Galaxie 500US
Plymouth Fury iiiUS
Dodge Monaco (sw)US
Ford Country Squire (sw)US
Pontiac Safari (sw)US
AMC Hornet Sportabout (sw)US
Chevrolet Vega (sw)US
Pontiac FirebirdUS
Ford MustangUS
Mercury Capri 2000US
Opel 1900Europe
Peugeot 304Europe
Fiat 124BEurope
Toyota Corolla 1200Japan
Datsun 1200Japan
Volkswagen Model 111Europe
Plymouth CricketUS
Toyota Corolla HardtopJapan
Dodge Colt HardtopUS
Volkswagen Type 3Europe
Chevrolet VegaUS
Ford Pinto RunaboutUS
Chevrolet ImpalaUS
Pontiac CatalinaUS
Plymouth Fury IIIUS
Ford Galaxie 500US
AMC Ambassador SSTUS

Plymouth ValiantUS
Chevrolet Nova CustomUS
AMC HornetUS
Ford MaverickUS
Plymouth DusterUS
Volkswagen Super BeetleEurope
Chevrolet ImpalaUS
Ford CountryUS
Plymouth Custom SuburbUS
Oldsmobile Vista CruiserUS
AMC GremlinUS
Toyota CamryJapan
Chevrolet VegaUS
Datsun 610Japan
Mazda RX3Japan
Ford PintoUS
Mercury Capri v6US

Fiat 124 Sport CoupeEurope
Chevrolet Monte Carlo SUS
Pontiac Grand PrixUS
Fiat 128Europe
Opel MantaEurope
Audi 100LSEurope
Volvo 144eaEurope
Dodge Dart CustomUS
Saab 99leEurope
Toyota Mark IIJapan
Oldsmobile OmegaUS
Plymouth DusterUS
Ford MaverickUS
AMC HornetUS
Chevrolet NovaUS
Datsun B210Japan
Ford PintoUS
Toyota Corolla 1200Japan
Chevrolet VegaUS
Chevrolet Chevelle Malibu ClassicUS
AMC MatadorUS
Plymouth Satellite SebringUS
Ford Gran TorinoUS
Buick Century Luxus (sw)US
Dodge Coronet Custom (sw)US
Ford Gran Torino (sw)US
AMC Matador (sw)US
Audi FoxEurope
Volkswagen DasherEurope
Opel MantaEurope
Toyota CorollaJapan
Datsun 710Japan
Dodge ColtUS
Fiat 128Europe
Fiat 124 TCEurope
Honda CivicJapan
SubaruJapan
Fiat x1.9Europe
Plymouth Valiant CustomUS
Chevrolet NovaUS
Mercury MonarchUS
Ford MaverickUS
Pontiac CatalinaUS
Chevrolet Bel AirUS
Plymouth Grand FuryUS
Ford LTDUS
Buick CenturyUS

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buick centuryUS
Chevrolet Chevelle MalibuUS
AMC MatadorUS
Plymouth FuryUS
Buick SkyhawkUS
Chevrolet Monza 2+2US
Ford Mustang IIUS
Toyota CorollaJapan
Ford PintoUS
AMC GremlinUS
Pontiac AstroUS
Toyota CorollaJapan
Volkswagen DasherEurope
Datsun 710Japan
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Volkswagen Rabbit C (Diesel)Europe
Volkswagen Dasher (diesel)Europe
Audi 5000s (diesel)Europe
Mercedes-Benz 240dEurope
Honda Civic 1500 glJapan
Renault Lecar DeluxeEurope
Subaru DLJapan
Volkswagen RabbitEurope
Datsun 280-ZXJapan
Mazda RX-7 GSJapan
Triumph TR7 CoupeEurope
Ford Mustang CobraUS
Honda AccordJapan
Plymouth ReliantUS
Buick SkylarkUS
Dodge Aries Wagon (sw)US
Chevrolet CitationUS
Plymouth ReliantUS
Toyota StarletJapan
Plymouth ChampUS
Honda Civic 1300Japan
SubaruJapan
Datsun 210 MPGJapan
Toyota TercelJapan
Mazda GLC 4Japan
Plymouth Horizon 4US
Ford Escort 4WUS
Ford Escort 2HUS
Volkswagen JettaEurope
Renault 18iEurope
Honda PreludeJapan
Toyota CorollaJapan
Datsun 200SXJapan
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Mazda 626Japan
Peugeot 505s Turbo DieselEurope
Saab 900sEurope
Volvo DieselEurope
Toyota CressidaJapan
Datsun 810 MaximaJapan
Buick CenturyUS
Oldsmobile Cutlass LSUS
Ford Grenada glUS
Chrysler Lebaron SalonUS
Chevrolet CavalierUS
Chevrolet Cavalier WagonUS
Chevrolet Cavalier 2-doorUS
Pontiac J2000 SE HatchbackUS
Dodge Aries SEUS
Pontiac PhoenixUS
Ford Fairmont FuturaUS
AMC Concord DLUS
Volkswagen Rabbit lEurope
Mazda GLC Custom lJapan
Mazda GLC CustomJapan
Plymouth Horizon MiserUS
Mercury Lynx lUS
Nissan Stanza XEJapan
Honda AccordJapan
Toyota CorollaJapan
Honda CivicJapan
Honda Civic (auto)Japan
Datsun 310 GXJapan
Buick Century LimitedUS
Oldsmobile Cutlass Ciera (diesel)US
Chrysler Lebaron MedallionUS
Ford Grenada lUS
Toyota Celica GTJapan
Dodge Charger 2.2US
Chevrolet CamaroUS
Ford Mustang GLUS
Volkswagen PickupEurope
Dodge RampageUS
Ford RangerUS
Chevy S-10US
.
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```
vgarcia@cis106:~/Documents/Csv$ awk -F';' '{print "The ",$1,"is made in",$NF}' cars.csv
The Car is made in Origin
The STRING is made in CAT
The Chevrolet Chevelle Malibu is made in US
The Buick Skylark 320 is made in US
The Plymouth Satellite is made in US
The AMC Rebel SST is made in US
```

The Ford Torino is made in US
The Ford Galaxie 500 is made in US
The Chevrolet Impala is made in US
The Plymouth Fury iii is made in US
The Pontiac Catalina is made in US
The AMC Ambassador DPL is made in US
The Citroen DS-21 Pallas is made in Europe
The Chevrolet Chevelle Concours (sw) is made in US
The Ford Torino (sw) is made in US
The Plymouth Satellite (sw) is made in US
The AMC Rebel SST (sw) is made in US
The Dodge Challenger SE is made in US
The Plymouth 'Cuda 340 is made in US
The Ford Mustang Boss 302 is made in US
The Chevrolet Monte Carlo is made in US
The Buick Estate Wagon (sw) is made in US
The Toyota Corolla Mark ii is made in Japan
The Plymouth Duster is made in US
The AMC Hornet is made in US
The Ford Maverick is made in US
The Datsun PL510 is made in Japan
The Volkswagen 1131 Deluxe Sedan is made in Europe
The Peugeot 504 is made in Europe
The Audi 100 LS is made in Europe
The Saab 99e is made in Europe
The BMW 2002 is made in Europe
The AMC Gremlin is made in US
The Ford F250 is made in US
The Chevy C20 is made in US
The Dodge D200 is made in US
The Hi 1200D is made in US
The Datsun PL510 is made in Japan
The Chevrolet Vega 2300 is made in US
The Toyota Corolla is made in Japan
The Ford Pinto is made in US
The Volkswagen Super Beetle 117 is made in Europe
The AMC Gremlin is made in US
The Plymouth Satellite Custom is made in US
The Chevrolet Chevelle Malibu is made in US
The Ford Torino 500 is made in US
The AMC Matador is made in US
The Chevrolet Impala is made in US
The Pontiac Catalina Brougham is made in US
The Ford Galaxie 500 is made in US
The Plymouth Fury iii is made in US
The Dodge Monaco (sw) is made in US
The Ford Country Squire (sw) is made in US
The Pontiac Safari (sw) is made in US
The AMC Hornet Sportabout (sw) is made in US
The Chevrolet Vega (sw) is made in US
The Pontiac Firebird is made in US
The Ford Mustang is made in US
The Mercury Capri 2000 is made in US
The Opel 1900 is made in Europe
The Peugeot 304 is made in Europe
The Fiat 124B is made in Europe
The Toyota Corolla 1200 is made in Japan
The Datsun 1200 is made in Japan
The Volkswagen Model 111 is made in Europe
The Plymouth Cricket is made in US
The Toyota Corolla Hardtop is made in Japan
The Dodge Colt Hardtop is made in US
The Volkswagen Type 3 is made in Europe
The Chevrolet Vega is made in US
The Ford Pinto Runabout is made in US

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The Chevrolet Impala is made in US  
The Pontiac Catalina is made in US  
The Oldsmobile Cutlass is made in US
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The Volkswagen Dasher (diesel) is made in Europe  
The Audi 5000s (diesel) is made in Europe  
The Mercedes-Benz 240d is made in Europe  
The Honda Civic 1500 gl is made in Japan  
The Renault Lecar Deluxe is made in Europe  
The Subaru DL is made in Japan  
The Volkswagen Rabbit is made in Europe  
The Datsun 280-ZX is made in Japan  
The Mazda RX-7 GS is made in Japan  
The Triumph TR7 Coupe is made in Europe  
The Ford Mustang Cobra is made in US  
The Honda Accord is made in Japan  
The Plymouth Reliant is made in US  
The Buick Skylark is made in US  
The Dodge Aries Wagon (sw) is made in US  
The Chevrolet Citation is made in US  
The Plymouth Reliant is made in US  
The Toyota Starlet is made in Japan  
The Plymouth Champ is made in US  
The Honda Civic 1300 is made in Japan  
The Subaru is made in Japan  
The Datsun 210 MPG is made in Japan  
The Toyota Tercel is made in Japan  
The Mazda GLC 4 is made in Japan  
The Plymouth Horizon 4 is made in US  
The Ford Escort 4W is made in US  
The Ford Escort 2H is made in US  
The Volkswagen Jetta is made in Europe  
The Renault 18i is made in Europe  
The Honda Prelude is made in Japan  
The Toyota Corolla is made in Japan  
The Datsun 200SX is made in Japan  
The Mazda 626 is made in Japan  
The Peugeot 505s Turbo Diesel is made in Europe  
The Saab 900s is made in Europe  
The Volvo Diesel is made in Europe  
The Toyota Cressida is made in Japan  
The Datsun 810 Maxima is made in Japan  
The Buick Century is made in US  
The Oldsmobile Cutlass LS is made in US  
The Ford Grenada gl is made in US  
The Chrysler Lebaron Salon is made in US  
The Chevrolet Cavalier is made in US  
The Chevrolet Cavalier Wagon is made in US  
The Chevrolet Cavalier 2-door is made in US
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The Pontiac J2000 SE Hatchback is made in US
The Dodge Aries SE is made in US
The Pontiac Phoenix is made in US
The Ford Fairmont Futura is made in US
The AMC Concord DL is made in US
The Volkswagen Rabbit l is made in Europe
The Mazda GLC Custom l is made in Japan
The Mazda GLC Custom is made in Japan
The Plymouth Horizon Miser is made in US
The Mercury Lynx l is made in US
The Nissan Stanza XE is made in Japan
The Honda Accord is made in Japan
The Toyota Corolla is made in Japan
The Honda Civic is made in Japan
The Honda Civic (auto) is made in Japan
The Datsun 310 GX is made in Japan
The Buick Century Limited is made in US
The Oldsmobile Cutlass Ciera (diesel) is made in US
The Chrysler Lebaron Medallion is made in US
The Ford Grenada l is made in US
The Toyota Celica GT is made in Japan
The Dodge Charger 2.2 is made in US
The Chevrolet Camaro is made in US
The Ford Mustang GL is made in US
The Volkswagen Pickup is made in Europe
The Dodge Rampage is made in US
The Ford Ranger is made in US
The Chevy S-10 is made in US
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vgarcia@cis106:~/Documents/Csv$ awk -F';' '{print "The",$1," has ",$3,"cylinder" , "and is made in",$NF}' cars.csv
The Car has Cylinders cylinder and is made in Origin
The STRING has INT cylinder and is made in CAT
The Chevrolet Chevelle Malibu has 8 cylinder and is made in US
The Buick Skylark 320 has 8 cylinder and is made in US
The Plymouth Satellite has 8 cylinder and is made in US
The AMC Rebel SST has 8 cylinder and is made in US
The Ford Torino has 8 cylinder and is made in US
The Ford Galaxie 500 has 8 cylinder and is made in US
The Chevrolet Impala has 8 cylinder and is made in US
The Plymouth Fury iii has 8 cylinder and is made in US
The Pontiac Catalina has 8 cylinder and is made in US
The AMC Ambassador DPL has 8 cylinder and is made in US
The Citroen DS-21 Pallas has 4 cylinder and is made in Europe
The Chevrolet Chevelle Concours (sw) has 8 cylinder and is made in US
The Ford Torino (sw) has 8 cylinder and is made in US
The Plymouth Satellite (sw) has 8 cylinder and is made in US
The AMC Rebel SST (sw) has 8 cylinder and is made in US
The Dodge Challenger SE has 8 cylinder and is made in US
The Plymouth 'Cuda 340 has 8 cylinder and is made in US
The Ford Mustang Boss 302 has 8 cylinder and is made in US
The Chevrolet Monte Carlo has 8 cylinder and is made in US
The Buick Estate Wagon (sw) has 8 cylinder and is made in US
The Toyota Corolla Mark ii has 4 cylinder and is made in Japan
The Plymouth Duster has 6 cylinder and is made in US
The AMC Hornet has 6 cylinder and is made in US
The Ford Maverick has 6 cylinder and is made in US
The Datsun PL510 has 4 cylinder and is made in Japan
The Volkswagen 1131 Deluxe Sedan has 4 cylinder and is made in Europe
The Peugeot 504 has 4 cylinder and is made in Europe
The Audi 100 LS has 4 cylinder and is made in Europe
The Saab 99e has 4 cylinder and is made in Europe
The BMW 2002 has 4 cylinder and is made in Europe
The AMC Gremlin has 6 cylinder and is made in US
The Ford F250 has 8 cylinder and is made in US
The Chevy C20 has 8 cylinder and is made in US
The Dodge D200 has 8 cylinder and is made in US
The Hi 1200D has 8 cylinder and is made in US
The Datsun PL510 has 4 cylinder and is made in Japan
The Chevrolet Vega 2300 has 4 cylinder and is made in US
The Toyota Corolla has 4 cylinder and is made in Japan
The Ford Pinto has 4 cylinder and is made in US
The Volkswagen Super Beetle 117 has 4 cylinder and is made in Europe
The AMC Gremlin has 6 cylinder and is made in US
The Plymouth Satellite Custom has 6 cylinder and is made in US
The Chevrolet Chevelle Malibu has 6 cylinder and is made in US
The Ford Torino 500 has 6 cylinder and is made in US
The AMC Matador has 6 cylinder and is made in US
The Chevrolet Impala has 8 cylinder and is made in US
The Pontiac Catalina Brougham has 8 cylinder and is made in US
The Ford Galaxie 500 has 8 cylinder and is made in US
The Plymouth Fury iii has 8 cylinder and is made in US
The Dodge Monaco (sw) has 8 cylinder and is made in US
The Ford Country Squire (sw) has 8 cylinder and is made in US
The Pontiac Safari (sw) has 8 cylinder and is made in US
The AMC Hornet Sportabout (sw) has 6 cylinder and is made in US
The Chevrolet Vega (sw) has 4 cylinder and is made in US
The Pontiac Firebird has 6 cylinder and is made in US
The Ford Mustang has 6 cylinder and is made in US
The Mercury Capri 2000 has 4 cylinder and is made in US
The Opel 1900 has 4 cylinder and is made in Europe
The Peugeot 304 has 4 cylinder and is made in Europe
The Fiat 124B has 4 cylinder and is made in Europe
The Toyota Corolla 1200 has 4 cylinder and is made in Japan
The Datsun 1200 has 4 cylinder and is made in Japan
The Volkswagen Model 111 has 4 cylinder and is made in Europe
The Plymouth Cricket has 4 cylinder and is made in US
The Toyota Corolla Hardtop has 4 cylinder and is made in Japan
The Dodge Colt Hardtop has 4 cylinder and is made in US
The Volkswagen Type 3 has 4 cylinder and is made in Europe
The Chevrolet Vega has 4 cylinder and is made in US
The Ford Pinto Runabout has 4 cylinder and is made in US
The Chevrolet Impala has 8 cylinder and is made in US
The Pontiac Catalina has 8 cylinder and is made in US
The Plymouth Fury III has 8 cylinder and is made in US
The Ford Galaxie 500 has 8 cylinder and is made in US
The AMC Ambassador SST has 8 cylinder and is made in US
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The Buick Electra 225 Custom has 8 cylinder and is made in US
The AMC Ambassador Brougham has 8 cylinder and is made in US
The Plymouth Valiant has 6 cylinder and is made in US

The Chevrolet Nova Custom has 6 cylinder and is made in US
The AMC Hornet has 6 cylinder and is made in US
The Ford Maverick has 6 cylinder and is made in US
The Plymouth Duster has 6 cylinder and is made in US
The Volkswagen Super Beetle has 4 cylinder and is made in Europe
The Chevrolet Impala has 8 cylinder and is made in US
The Ford Country has 8 cylinder and is made in US
The Plymouth Custom Suburb has 8 cylinder and is made in US
The Oldsmobile Vista Cruiser has 8 cylinder and is made in US
The AMC Gremlin has 6 cylinder and is made in US
The Toyota Camry has 4 cylinder and is made in Japan
The Chevrolet Vega has 4 cylinder and is made in US
The Datsun 610 has 4 cylinder and is made in Japan
The Mazda RX3 has 3 cylinder and is made in Japan
The Ford Pinto has 4 cylinder and is made in US
The Mercury Capri v6 has 6 cylinder and is made in US
The Fiat 124 Sport Coupe has 4 cylinder and is made in Europe
The Chevrolet Monte Carlo S has 8 cylinder and is made in US
The Pontiac Grand Prix has 8 cylinder and is made in US
The Fiat 128 has 4 cylinder and is made in Europe
The Opel Manta has 4 cylinder and is made in Europe
The Audi 100LS has 4 cylinder and is made in Europe
The Volvo 144ea has 4 cylinder and is made in Europe
The Dodge Dart Custom has 8 cylinder and is made in US
The Saab 99le has 4 cylinder and is made in Europe
The Toyota Mark II has 6 cylinder and is made in Japan
The Oldsmobile Omega has 8 cylinder and is made in US
The Plymouth Duster has 6 cylinder and is made in US
The Ford Maverick has 6 cylinder and is made in US
The AMC Hornet has 6 cylinder and is made in US
The Chevrolet Nova has 6 cylinder and is made in US
The Datsun B210 has 4 cylinder and is made in Japan
The Ford Pinto has 4 cylinder and is made in US
The Toyota Corolla 1200 has 4 cylinder and is made in Japan
The Chevrolet Vega has 4 cylinder and is made in US
The Chevrolet Chevelle Malibu Classic has 6 cylinder and is made in US
The AMC Matador has 6 cylinder and is made in US
The Plymouth Satellite Sebring has 6 cylinder and is made in US
The Ford Gran Torino has 8 cylinder and is made in US
The Buick Century Luxus (sw) has 8 cylinder and is made in US
The Dodge Coronet Custom (sw) has 8 cylinder and is made in US
The Ford Gran Torino (sw) has 8 cylinder and is made in US
The AMC Matador (sw) has 8 cylinder and is made in US
The Audi Fox has 4 cylinder and is made in Europe
The Volkswagen Dasher has 4 cylinder and is made in Europe
The Opel Manta has 4 cylinder and is made in Europe
The Toyota Corolla has 4 cylinder and is made in Japan
The Datsun 710 has 4 cylinder and is made in Japan
The Dodge Colt has 4 cylinder and is made in US
The Fiat 128 has 4 cylinder and is made in Europe
The Fiat 124 TC has 4 cylinder and is made in Europe

The Fiat x1.9 has 4 cylinder and is made in Europe
The Honda Civic has 4 cylinder and is made in Japan
The Subaru has 4 cylinder and is made in Japan
The Fiat x1.9 has 4 cylinder and is made in Europe
The Plymouth Valiant Custom has 6 cylinder and is made in US
The Chevrolet Nova has 6 cylinder and is made in US
The Mercury Monarch has 6 cylinder and is made in US
The Ford Maverick has 6 cylinder and is made in US
The Pontiac Catalina has 8 cylinder and is made in US
The Chevrolet Bel Air has 8 cylinder and is made in US
The Plymouth Grand Fury has 8 cylinder and is made in US
The Ford LTD has 8 cylinder and is made in US
The Buick Century has 6 cylinder and is made in US
The Chevrolet Chevelle Malibu has 6 cylinder and is made in US
The AMC Matador has 6 cylinder and is made in US
The Plymouth Fury has 6 cylinder and is made in US
The Buick Skyhawk has 6 cylinder and is made in US
The Chevrolet Monza 2+2 has 8 cylinder and is made in US
The Ford Mustang II has 8 cylinder and is made in US
The Toyota Corolla has 4 cylinder and is made in Japan
The Ford Pinto has 4 cylinder and is made in US
The AMC Gremlin has 6 cylinder and is made in US
The Pontiac Astro has 4 cylinder and is made in US
The Toyota Corolla has 4 cylinder and is made in Japan

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The Dodge Aries Wagon (sw) has 4 cylinder and is made in US
The Chevrolet Citation has 6 cylinder and is made in US
The Plymouth Reliant has 4 cylinder and is made in US
The Toyota Starlet has 4 cylinder and is made in Japan
The Plymouth Champ has 4 cylinder and is made in US
The Honda Civic 1300 has 4 cylinder and is made in Japan
The Subaru has 4 cylinder and is made in Japan
The Datsun 210 MPG has 4 cylinder and is made in Japan
The Toyota Tercel has 4 cylinder and is made in Japan
The Mazda GLC 4 has 4 cylinder and is made in Japan
The Plymouth Horizon 4 has 4 cylinder and is made in US
The Ford Escort 4W has 4 cylinder and is made in US
The Ford Escort 2H has 4 cylinder and is made in US
The Volkswagen Jetta has 4 cylinder and is made in Europe
The Renault 18i has 4 cylinder and is made in Europe
The Honda Prelude has 4 cylinder and is made in Japan
The Toyota Corolla has 4 cylinder and is made in Japan
The Datsun 200SX has 4 cylinder and is made in Japan
The Mazda 626 has 4 cylinder and is made in Japan
The Peugeot 505s Turbo Diesel has 4 cylinder and is made in Europe
The Saab 900s has 4 cylinder and is made in Europe
The Volvo Diesel has 6 cylinder and is made in Europe
The Toyota Cressida has 6 cylinder and is made in Japan
The Datsun 810 Maxima has 6 cylinder and is made in Japan
The Buick Century has 6 cylinder and is made in US
The Oldsmobile Cutlass LS has 8 cylinder and is made in US
The Ford Grenada gl has 6 cylinder and is made in US
The Chrysler Lebaron Salon has 6 cylinder and is made in US
The Chevrolet Cavalier has 4 cylinder and is made in US
The Chevrolet Cavalier Wagon has 4 cylinder and is made in US
The Chevrolet Cavalier 2-door has 4 cylinder and is made in US
The Pontiac J2000 SE Hatchback has 4 cylinder and is made in US
The Dodge Aries SE has 4 cylinder and is made in US
The Pontiac Phoenix has 4 cylinder and is made in US
The Ford Fairmont Futura has 4 cylinder and is made in US
The AMC Concord DL has 4 cylinder and is made in US
The Volkswagen Rabbit l has 4 cylinder and is made in Europe
The Mazda GLC Custom l has 4 cylinder and is made in Japan
The Mazda GLC Custom has 4 cylinder and is made in Japan
The Plymouth Horizon Miser has 4 cylinder and is made in US
The Mercury Lynx l has 4 cylinder and is made in US
The Nissan Stanza XE has 4 cylinder and is made in Japan
The Honda Accord has 4 cylinder and is made in Japan
The Toyota Corolla has 4 cylinder and is made in Japan
The Honda Civic has 4 cylinder and is made in Japan
The Honda Civic (auto) has 4 cylinder and is made in Japan
The Datsun 310 GX has 4 cylinder and is made in Japan
The Buick Century Limited has 6 cylinder and is made in US
The Oldsmobile Cutlass Ciera (diesel) has 6 cylinder and is made in US
The Chrysler Lebaron Medallion has 4 cylinder and is made in US
The Ford Grenada l has 6 cylinder and is made in US
The Toyota Celica GT has 4 cylinder and is made in Japan
The Dodge Charger 2.2 has 4 cylinder and is made in US
The Chevrolet Camaro has 4 cylinder and is made in US
The Ford Mustang GL has 4 cylinder and is made in US
The Volkswagen Pickup has 4 cylinder and is made in Europe
The Dodge Rampage has 4 cylinder and is made in US
The Ford Ranger has 4 cylinder and is made in US
The Chevy S-10 has 4 cylinder and is made in US
vgarcia@cis106:~/Documents/Csv$
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vgarcia@cis106:~/Documents/Csv$ awk 'NR > 3 {print}' 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
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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 PL510;27.0;4;97.00;88.00;2130.;14.5;70;Japan
Volkswagen 1131 Deluxe Sedan;26.0;4;97.00;46.00;1835.;20.5;70;Europe
Peugeot 504;25.0;4;110.0;87.00;2672.;17.5;70;Europe
Audi 100 LS;24.0;4;107.0;90.00;2430.;14.5;70;Europe
Saab 99e;25.0;4;104.0;95.00;2375.;17.5;70;Europe
BMW 2002;26.0;4;121.0;113.0;2234.;12.5;70;Europe
AMC Gremlin;21.0;6;199.0;90.00;2648.;15.0;70;US
Ford F250;10.0;8;360.0;215.0;4615.;14.0;70;US
Chevy C20;10.0;8;307.0;200.0;4376.;15.0;70;US
Dodge D200;11.0;8;318.0;210.0;4382.;13.5;70;US
Hi 1200D;9.0;8;304.0;193.0;4732.;18.5;70;US
Datsun PL510;27.0;4;97.00;88.00;2130.;14.5;71;Japan
Chevrolet Vega 2300;28.0;4;140.0;90.00;2264.;15.5;71;US
Toyota Corolla;25.0;4;113.0;95.00;2228.;14.0;71;Japan
Ford Pinto;25.0;4;98.00;0;2046.;19.0;71;US
Volkswagen Super Beetle 117;0;4;97.00;48.00;1978.;20.0;71;Europe
AMC Gremlin;19.0;6;232.0;100.0;2634.;13.0;71;US
Plymouth Satellite Custom;16.0;6;225.0;105.0;3439.;15.5;71;US
Chevrolet Chevelle Malibu;17.0;6;250.0;100.0;3329.;15.5;71;US
Ford Torino 500;19.0;6;250.0;88.00;3302.;15.5;71;US
AMC Matador;18.0;6;232.0;100.0;3288.;15.5;71;US
Chevrolet Impala;14.0;8;350.0;165.0;4209.;12.0;71;US
Pontiac Catalina Brougham;14.0;8;400.0;175.0;4464.;11.5;71;US
Ford Galaxie 500;14.0;8;351.0;153.0;4154.;13.5;71;US
Plymouth Fury iii;14.0;8;318.0;150.0;4096.;13.0;71;US
Dodge Monaco (sw);12.0;8;383.0;180.0;4955.;11.5;71;US
Ford Country Squire (sw);13.0;8;400.0;170.0;4746.;12.0;71;US
Pontiac Safari (sw);13.0;8;400.0;175.0;5140.;12.0;71;US
AMC Hornet Sportabout (sw);18.0;6;258.0;110.0;2962.;13.5;71;US
Chevrolet Vega (sw);22.0;4;140.0;72.00;2408.;19.0;71;US
Pontiac Firebird;19.0;6;250.0;100.0;3282.;15.0;71;US
Ford Mustang;18.0;6;250.0;88.00;3139.;14.5;71;US
Mercury Capri 2000;23.0;4;122.0;86.00;2220.;14.0;71;US
Opel 1900;28.0;4;116.0;90.00;2123.;14.0;71;Europe
Peugeot 304;20.0;4;79.00;70.00;2074.;19.5;71;Europe

Peugeot 304;30.0;4;79.00;70.00;2074.;19.5;71;Europe
Fiat 124B;30.0;4;88.00;76.00;2065.;14.5;71;Europe
Toyota Corolla 1200;31.0;4;71.00;65.00;1773.;19.0;71;Japan
Datsun 1200;35.0;4;72.00;69.00;1613.;18.0;71;Japan
Volkswagen Model 111;27.0;4;97.00;60.00;1834.;19.0;71;Europe
Plymouth Cricket;26.0;4;91.00;70.00;1955.;20.5;71;US
Toyota Corolla Hardtop;24.0;4;113.0;95.00;2278.;15.5;72;Japan
Dodge Colt Hardtop;25.0;4;97.50;80.00;2126.;17.0;72;US
Volkswagen Type 3;23.0;4;97.00;54.00;2254.;23.5;72;Europe
Chevrolet Vega;20.0;4;140.0;90.00;2408.;19.5;72;US
Ford Pinto Runabout;21.0;4;122.0;86.00;2226.;16.5;72;US
Chevrolet Impala;13.0;8;350.0;165.0;4274.;12.0;72;US
Pontiac Catalina;14.0;8;400.0;175.0;4385.;12.0;72;US
Ford Galaxie 500;14.0;8;351.0;153.0;4154.;13.5;71;US
Plymouth Fury iii;14.0;8;318.0;150.0;4096.;13.0;71;US
Dodge Monaco (sw);12.0;8;383.0;180.0;4955.;11.5;71;US
Ford Country Squire (sw);13.0;8;400.0;170.0;4746.;12.0;71;US
Pontiac Safari (sw);13.0;8;400.0;175.0;5140.;12.0;71;US
AMC Hornet Sportabout (sw);18.0;6;258.0;110.0;2962.;13.5;71;US
Chevrolet Vega (sw);22.0;4;140.0;72.00;2408.;19.0;71;US
Pontiac Firebird;19.0;6;250.0;100.0;3282.;15.0;71;US
Ford Mustang;18.0;6;250.0;88.00;3139.;14.5;71;US
Mercury Capri 2000;23.0;4;122.0;86.00;2220.;14.0;71;US
Opel 1900;28.0;4;116.0;90.00;2123.;14.0;71;Europe
Peugeot 304;30.0;4;79.00;70.00;2074.;19.5;71;Europe
Fiat 124B;30.0;4;88.00;76.00;2065.;14.5;71;Europe
Toyota Corolla 1200;31.0;4;71.00;65.00;1773.;19.0;71;Japan
Datsun 1200;35.0;4;72.00;69.00;1613.;18.0;71;Japan
Volkswagen Model 111;27.0;4;97.00;60.00;1834.;19.0;71;Europe
Plymouth Cricket;26.0;4;91.00;70.00;1955.;20.5;71;US
Toyota Corolla Hardtop;24.0;4;113.0;95.00;2278.;15.5;72;Japan
Dodge Colt Hardtop;25.0;4;97.50;80.00;2126.;17.0;72;US
Volkswagen Type 3;23.0;4;97.00;54.00;2254.;23.5;72;Europe
Chevrolet Vega;20.0;4;140.0;90.00;2408.;19.5;72;US
Ford Pinto Runabout;21.0;4;122.0;86.00;2226.;16.5;72;US
Chevrolet Impala;13.0;8;350.0;165.0;4274.;12.0;72;US
Pontiac Catalina;14.0;8;400.0;175.0;4385.;12.0;72;US
Plymouth Fury III;15.0;8;318.0;150.0;4135.;13.5;72;US
Ford Galaxie 500;14.0;8;351.0;153.0;4129.;13.0;72;US
AMC Ambassador SST;17.0;8;304.0;150.0;3672.;11.5;72;US
Mercury Marquis;11.0;8;429.0;208.0;4633.;11.0;72;US
Buick LeSabre Custom;13.0;8;350.0;155.0;4502.;13.5;72;US
Oldsmobile Delta 88 Royale;12.0;8;350.0;160.0;4456.;13.5;72;US
Chrysler Newport Royal;13.0;8;400.0;190.0;4422.;12.5;72;US
Mazda RX2 Coupe;19.0;3;70.00;97.00;2330.;13.5;72;Japan
AMC Matador (sw);15.0;8;304.0;150.0;3892.;12.5;72;US
Chevrolet Chevelle Concours (sw);13.0;8;307.0;130.0;4098.;14.0;72;US
Ford Gran Torino (sw);13.0;8;302.0;140.0;4294.;16.0;72;US
Plymouth Satellite Custom (sw);14.0;8;318.0;150.0;4077.;14.0;72;US
Volvo 145e (sw);18.0;4;121.0;112.0;2933.;14.5;72;Europe
Volkswagen 411 (sw);22.0;4;121.0;76.00;2511.;18.0;72;Europe
Peugeot 504 (sw);21.0;4;120.0;87.00;2979.;19.5;72;Europe
Renault 12 (sw);26.0;4;96.00;69.00;2189.;18.0;72;Europe

Ford Pinto (sw);22.0;4;122.0;86.00;2395.;16.0;72;US
Datsun 510 (sw);28.0;4;97.00;92.00;2288.;17.0;72;Japan
Toyota Corolla Mark II (sw);23.0;4;120.0;97.00;2506.;14.5;72;Japan
Dodge Colt (sw);28.0;4;98.00;80.00;2164.;15.0;72;US
Toyota Corolla 1600 (sw);27.0;4;97.00;88.00;2100.;16.5;72;Japan
Buick Century 350;13.0;8;350.0;175.0;4100.;13.0;73;US
AMC Matador;14.0;8;304.0;150.0;3672.;11.5;73;US
Chevrolet Malibu;13.0;8;350.0;145.0;3988.;13.0;73;US
Ford Gran Torino;14.0;8;302.0;137.0;4042.;14.5;73;US
Dodge Coronet Custom;15.0;8;318.0;150.0;3777.;12.5;73;US
Mercury Marquis Brougham;12.0;8;429.0;198.0;4952.;11.5;73;US
Chevrolet Caprice Classic;13.0;8;400.0;150.0;4464.;12.0;73;US
Ford LTD;13.0;8;351.0;158.0;4363.;13.0;73;US
Plymouth Fury Gran Sedan;14.0;8;318.0;150.0;4237.;14.5;73;US
Chrysler New Yorker Brougham;13.0;8;440.0;215.0;4735.;11.0;73;US
Buick Electra 225 Custom;12.0;8;455.0;225.0;4951.;11.0;73;US
AMC Ambassador Brougham;13.0;8;360.0;175.0;3821.;11.0;73;US
Plymouth Valiant;18.0;6;225.0;105.0;3121.;16.5;73;US
Chevrolet Nova Custom;16.0;6;250.0;100.0;3278.;18.0;73;US
AMC Hornet;18.0;6;232.0;100.0;2945.;16.0;73;US
Ford Maverick;18.0;6;250.0;88.00;3021.;16.5;73;US
Plymouth Duster;23.0;6;198.0;95.00;2904.;16.0;73;US
Volkswagen Super Beetle;26.0;4;97.00;46.00;1950.;21.0;73;Europe
Chevrolet Impala;11.0;8;400.0;150.0;4997.;14.0;73;US
Ford Country;12.0;8;400.0;167.0;4906.;12.5;73;US
Plymouth Custom Suburb;13.0;8;360.0;170.0;4654.;13.0;73;US
Oldsmobile Vista Cruiser;12.0;8;350.0;180.0;4499.;12.5;73;US
AMC Gremlin;18.0;6;232.0;100.0;2789.;15.0;73;US
Toyota Camry;20.0;4;97.00;88.00;2279.;19.0;73;Japan
Chevrolet Vega;21.0;4;140.0;72.00;2401.;19.5;73;US
Datsun 610;22.0;4;108.0;94.00;2379.;16.5;73;Japan

Mazda RX3;18.0;3;70.00;90.00;2124.;13.5;73;Japan
Ford Pinto;19.0;4;122.0;85.00;2310.;18.5;73;US
Mercury Capri v6;21.0;6;155.0;107.0;2472.;14.0;73;US
Fiat 124 Sport Coupe;26.0;4;98.00;90.00;2265.;15.5;73;Europe
Chevrolet Monte Carlo S;15.0;8;350.0;145.0;4082.;13.0;73;US
Pontiac Grand Prix;16.0;8;400.0;230.0;4278.;9.50;73;US
Fiat 128;29.0;4;68.00;49.00;1867.;19.5;73;Europe
Opel Manta;24.0;4;116.0;75.00;2158.;15.5;73;Europe
Audi 100LS;20.0;4;114.0;91.00;2582.;14.0;73;Europe
Volvo 144ea;19.0;4;121.0;112.0;2868.;15.5;73;Europe
Dodge Dart Custom;15.0;8;318.0;150.0;3399.;11.0;73;US
Saab 99le;24.0;4;121.0;110.0;2660.;14.0;73;Europe
Toyota Mark II;20.0;6;156.0;122.0;2807.;13.5;73;Japan
Oldsmobile Omega;11.0;8;350.0;180.0;3664.;11.0;73;US
Plymouth Duster;20.0;6;198.0;95.00;3102.;16.5;74;US
Ford Maverick;21.0;6;200.0;0;2875.;17.0;74;US
AMC Hornet;19.0;6;232.0;100.0;2901.;16.0;74;US
Chevrolet Nova;15.0;6;250.0;100.0;3336.;17.0;74;US
Datsun B210;31.0;4;79.00;67.00;1950.;19.0;74;Japan
Ford Pinto;26.0;4;122.0;80.00;2451.;16.5;74;US
Toyota Corolla 1200;32.0;4;71.00;65.00;1836.;21.0;74;Japan
Chevrolet Vega;25.0;4;140.0;75.00;2542.;17.0;74;US

chevrolet vega;23.0;4;140.0;;5.00;2542.;17.0;;4.05
Chevrolet Chevelle Malibu Classic;16.0;6;250.0;100.0;3781.;17.0;74;US
AMC Matador;16.0;6;258.0;110.0;3632.;18.0;74;US
Plymouth Satellite Sebring;18.0;6;225.0;105.0;3613.;16.5;74;US
Ford Gran Torino;16.0;8;302.0;140.0;4141.;14.0;74;US
Buick Century Luxus (sw);13.0;8;350.0;150.0;4699.;14.5;74;US
Dodge Coronet Custom (sw);14.0;8;318.0;150.0;4457.;13.5;74;US
Ford Gran Torino (sw);14.0;8;302.0;140.0;4638.;16.0;74;US
AMC Matador (sw);14.0;8;304.0;150.0;4257.;15.5;74;US
Audi Fox;29.0;4;98.00;83.00;2219.;16.5;74;Europe
Volkswagen Dasher;26.0;4;79.00;67.00;1963.;15.5;74;Europe
Opel Manta;26.0;4;97.00;78.00;2300.;14.5;74;Europe
Toyota Corolla;31.0;4;76.00;52.00;1649.;16.5;74;Japan
Datsun 710;32.0;4;83.00;61.00;2003.;19.0;74;Japan
Dodge Colt;28.0;4;90.00;75.00;2125.;14.5;74;US
Fiat 128;24.0;4;90.00;75.00;2108.;15.5;74;Europe
Fiat 124 TC;26.0;4;116.0;75.00;2246.;14.0;74;Europe
Honda Civic;24.0;4;120.0;97.00;2489.;15.0;74;Japan
Subaru;26.0;4;108.0;93.00;2391.;15.5;74;Japan
Fiat x1.9;31.0;4;79.00;67.00;2000.;16.0;74;Europe
Plymouth Valiant Custom;19.0;6;225.0;95.00;3264.;16.0;75;US
Chevrolet Nova;18.0;6;250.0;105.0;3459.;16.0;75;US
Mercury Monarch;15.0;6;250.0;72.00;3432.;21.0;75;US
Ford Maverick;15.0;6;250.0;72.00;3158.;19.5;75;US
Pontiac Catalina;16.0;8;400.0;170.0;4668.;11.5;75;US
Chevrolet Bel Air;15.0;8;350.0;145.0;4440.;14.0;75;US
Plymouth Grand Fury;16.0;8;318.0;150.0;4498.;14.5;75;US
Ford LTD;14.0;8;351.0;148.0;4657.;13.5;75;US
Buick Century;17.0;6;231.0;110.0;3907.;21.0;75;US
Chevrolet Chevelle Malibu;16.0;6;250.0;105.0;3897.;18.5;75;US
AMC Matador;15.0;6;258.0;110.0;3730.;19.0;75;US
Plymouth Fury;18.0;6;225.0;95.00;3785.;19.0;75;US
Buick Skyhawk;21.0;6;231.0;110.0;3039.;15.0;75;US
Chevrolet Monza 2+2;20.0;8;262.0;110.0;3221.;13.5;75;US
Ford Mustang II;13.0;8;302.0;129.0;3169.;12.0;75;US
Toyota Corolla;29.0;4;97.00;75.00;2171.;16.0;75;Japan
Ford Pinto;23.0;4;140.0;83.00;2639.;17.0;75;US
AMC Gremlin;20.0;6;232.0;100.0;2914.;16.0;75;US
Pontiac Astro;23.0;4;140.0;78.00;2592.;18.5;75;US
Toyota Corolla;24.0;4;134.0;96.00;2702.;13.5;75;Japan
Volkswagen Dasher;25.0;4;90.00;71.00;2223.;16.5;75;Europe
Datsun 710;24.0;4;119.0;97.00;2545.;17.0;75;Japan
Ford Pinto;18.0;6;171.0;97.00;2984.;14.5;75;US
Volkswagen Rabbit;29.0;4;90.00;70.00;1937.;14.0;75;Europe
AMC Pacer;19.0;6;232.0;90.00;3211.;17.0;75;US
Audi 100LS;23.0;4;115.0;95.00;2694.;15.0;75;Europe
Peugeot 504;23.0;4;120.0;88.00;2957.;17.0;75;Europe
Volvo 244DL;22.0;4;121.0;98.00;2945.;14.5;75;Europe
Saab 99LE;25.0;4;121.0;115.0;2671.;13.5;75;Europe
Honda Civic CVCC;33.0;4;91.00;53.00;1795.;17.5;75;Japan
Buick Opel Isuzu Deluxe;30.0;4;111.0;80.00;2155.;14.8;77;US
Renault 5 GTL;36.0;4;79.00;58.00;1825.;18.6;77;Europe
Plymouth Arrow GS;25.5;4;122.0;96.00;2300.;15.5;77;US
Peugeot 510 Hatchback;22.5;4;85.00;70.00;1945.;16.0;77;Japan

Datsun 1200 Hatchback;33.0;4;85.00;70.00;1945.;10.8;77;Japan
Chevrolet Caprice Classic;17.5;8;305.0;145.0;3880.;12.5;77;US
Oldsmobile Cutlass Supreme;17.0;8;260.0;110.0;4060.;19.0;77;US
Dodge Monaco Brougham;15.5;8;318.0;145.0;4140.;13.7;77;US
Mercury Cougar Brougham;15.0;8;302.0;130.0;4295.;14.9;77;US
Chevrolet Concours;17.5;6;250.0;110.0;3520.;16.4;77;US
Buick Skylark;20.5;6;231.0;105.0;3425.;16.9;77;US
Plymouth Volare Custom;19.0;6;225.0;100.0;3630.;17.7;77;US
Ford Grenada;18.5;6;250.0;98.00;3525.;19.0;77;US
Pontiac Grand Prix LJ;16.0;8;400.0;180.0;4220.;11.1;77;US
Chevrolet Monte Carlo Landau;15.5;8;350.0;170.0;4165.;11.4;77;US
Chrysler Cordoba;15.5;8;400.0;190.0;4325.;12.2;77;US
Ford Thunderbird;16.0;8;351.0;149.0;4335.;14.5;77;US
Volkswagen Rabbit Custom;29.0;4;97.00;78.00;1940.;14.5;77;Europe
Pontiac Sunbird Coupe;24.5;4;151.0;88.00;2740.;16.0;77;US
Toyota Corolla Liftback;26.0;4;97.00;75.00;2265.;18.2;77;Japan
Ford Mustang II 2+2;25.5;4;140.0;89.00;2755.;15.8;77;US
Chevrolet Chevette;30.5;4;98.00;63.00;2051.;17.0;77;US
Dodge Colt m/m;33.5;4;98.00;83.00;2075.;15.9;77;US
Subaru DL;30.0;4;97.00;67.00;1985.;16.4;77;Japan
Volkswagen Dasher;30.5;4;97.00;78.00;2190.;14.1;77;Europe
Datsun 810;22.0;6;146.0;97.00;2815.;14.5;77;Japan
BMW 320i;21.5;4;121.0;110.0;2600.;12.8;77;Europe
Mazda RX-4;21.5;3;80.00;110.0;2720.;13.5;77;Japan
Volkswagen Rabbit Custom Diesel;43.1;4;90.00;48.00;1985.;21.5;78;Europe
Ford Fiesta;36.1;4;98.00;66.00;1800.;14.4;78;US
Mazda GLC Deluxe;32.8;4;78.00;52.00;1985.;19.4;78;Japan
Datsun B210 GX;39.4;4;85.00;70.00;2070.;18.6;78;Japan
Honda Civic CVCC;36.1;4;91.00;60.00;1800.;16.4;78;Japan
Oldsmobile Cutlass Salon Brougham;19.9;8;260.0;110.0;3365.;15.5;78;US
Dodge Diplomat;19.4;8;318.0;140.0;3735.;13.2;78;US
Mercury Monarch Ghia;20.2;8;302.0;139.0;3570.;12.8;78;US
Pontiac Phoenix LJ;19.2;6;231.0;105.0;3535.;19.2;78;US
Chevrolet Malibu;20.5;6;200.0;95.00;3155.;18.2;78;US
Ford Fairmont (auto);20.2;6;200.0;85.00;2965.;15.8;78;US
Ford Fairmont (man);25.1;4;140.0;88.00;2720.;15.4;78;US
Plymouth Volare;20.5;6;225.0;100.0;3430.;17.2;78;US
AMC Concord;19.4;6;232.0;90.00;3210.;17.2;78;US
Buick Century Special;20.6;6;231.0;105.0;3380.;15.8;78;US
Mercury Zephyr;20.8;6;200.0;85.00;3070.;16.7;78;US
Dodge Aspen;18.6;6;225.0;110.0;3620.;18.7;78;US
AMC Concord d/l;18.1;6;258.0;120.0;3410.;15.1;78;US
Chevrolet Monte Carlo Landau;19.2;8;305.0;145.0;3425.;13.2;78;US
Buick Regal Sport Coupe (turbo);17.7;6;231.0;165.0;3445.;13.4;78;US
Ford Futura;18.1;8;302.0;139.0;3205.;11.2;78;US
Dodge Magnum XE;17.5;8;318.0;140.0;4080.;13.7;78;US
Chevrolet Chevette;30.0;4;98.00;68.00;2155.;16.5;78;US
Toyota Corolla;27.5;4;134.0;95.00;2560.;14.2;78;Japan
Datsun 510;27.2;4;119.0;97.00;2300.;14.7;78;Japan
Dodge Omni;30.9;4;105.0;75.00;2230.;14.5;78;US
Toyota Celica GT Liftback;21.1;4;134.0;95.00;2515.;14.8;78;Japan
Plymouth Sapporo;23.2;4;156.0;105.0;2745.;16.7;78;US
Oldsmobile Starfire SX;23.8;4;151.0;85.00;2855.;17.6;78;US
Datsun 200-SX;23.9;4;119.0;97.00;2405.;14.9;78;Japan
Audi 5000-20 3.5 131 0-103 0-2830 15 9-78 Europe

Audi 3000;20.5;3;151.0;105.0;2690.;15.5;78;Europe
Volvo 264gl;17.0;6;163.0;125.0;3140.;13.6;78;Europe
Saab 99gle;21.6;4;121.0;115.0;2795.;15.7;78;Europe
Peugeot 604sl;16.2;6;163.0;133.0;3410.;15.8;78;Europe
Volkswagen Scirocco;31.5;4;89.00;71.00;1990.;14.9;78;Europe
Honda Accord LX;29.5;4;98.00;68.00;2135.;16.6;78;Japan
Pontiac Lemans V6;21.5;6;231.0;115.0;3245.;15.4;79;US
Mercury Zephyr 6;19.8;6;200.0;85.00;2990.;18.2;79;US
Ford Fairmont 4;22.3;4;140.0;88.00;2890.;17.3;79;US
AMC Concord DL 6;20.2;6;232.0;90.00;3265.;18.2;79;US
Dodge Aspen 6;20.6;6;225.0;110.0;3360.;16.6;79;US
Chevrolet Caprice Classic;17.0;8;305.0;130.0;3840.;15.4;79;US
Ford LTD Landau;17.6;8;302.0;129.0;3725.;13.4;79;US
Mercury Grand Marquis;16.5;8;351.0;138.0;3955.;13.2;79;US

Honda Civic 1500 gl;44.6;4;91.00;67.00;1850.;13.8;80;Japan
Renault Lecar Deluxe;40.9;4;85.00;0;1835.;17.3;80;Europe
Subaru DL;33.8;4;97.00;67.00;2145.;18.0;80;Japan
Volkswagen Rabbit;29.8;4;89.00;62.00;1845.;15.3;80;Europe
Datsun 280-ZX;32.7;6;168.0;132.0;2910.;11.4;80;Japan
Mazda RX-7 GS;23.7;3;70.00;100.0;2420.;12.5;80;Japan
Triumph TR7 Coupe;35.0;4;122.0;88.00;2500.;15.1;80;Europe
Ford Mustang Cobra;23.6;4;140.0;0;2905.;14.3;80;US
Honda Accord;32.4;4;107.0;72.00;2290.;17.0;80;Japan
Plymouth Reliant;27.2;4;135.0;84.00;2490.;15.7;81;US
Buick Skylark;26.6;4;151.0;84.00;2635.;16.4;81;US
Dodge Aries Wagon (sw);25.8;4;156.0;92.00;2620.;14.4;81;US
Chevrolet Citation;23.5;6;173.0;110.0;2725.;12.6;81;US
Plymouth Reliant;30.0;4;135.0;84.00;2385.;12.9;81;US
Toyota Starlet;39.1;4;79.00;58.00;1755.;16.9;81;Japan
Plymouth Champ;39.0;4;86.00;64.00;1875.;16.4;81;US
Honda Civic 1300;35.1;4;81.00;60.00;1760.;16.1;81;Japan
Subaru;32.3;4;97.00;67.00;2065.;17.8;81;Japan
Datsun 210 MPG;37.0;4;85.00;65.00;1975.;19.4;81;Japan
Toyota Tercel;37.7;4;89.00;62.00;2050.;17.3;81;Japan
Mazda GLC 4;34.1;4;91.00;68.00;1985.;16.0;81;Japan
Plymouth Horizon 4;34.7;4;105.0;63.00;2215.;14.9;81;US
Ford Escort 4W;34.4;4;98.00;65.00;2045.;16.2;81;US
Ford Escort 2H;29.9;4;98.00;65.00;2380.;20.7;81;US
Volkswagen Jetta;33.0;4;105.0;74.00;2190.;14.2;81;Europe
Renault 18i;34.5;4;100.0;0;2320.;15.8;81;Europe
Honda Prelude;33.7;4;107.0;75.00;2210.;14.4;81;Japan
Toyota Corolla;32.4;4;108.0;75.00;2350.;16.8;81;Japan
Datsun 200SX;32.9;4;119.0;100.0;2615.;14.8;81;Japan
Mazda 626;31.6;4;120.0;74.00;2635.;18.3;81;Japan
Peugeot 505s Turbo Diesel;28.1;4;141.0;80.00;3230.;20.4;81;Europe
Saab 900s;0;4;121.0;110.0;2800.;15.4;81;Europe
Volvo Diesel;30.7;6;145.0;76.00;3160.;19.6;81;Europe
Toyota Cressida;25.4;6;168.0;116.0;2900.;12.6;81;Japan
Datsun 810 Maxima;24.2;6;146.0;120.0;2930.;13.8;81;Japan
Buick Century;22.4;6;231.0;110.0;3415.;15.8;81;US
Oldsmobile Cutlass LS;26.6;8;350.0;105.0;3725.;19.0;81;US
Ford Grenada gl;20.2;6;200.0;88.00;3060.;17.1;81;US
Chrysler Lebaron Salon;17.6;6;225.0;85.00;3465.;16.6;81;US
Chevrolet Cavalier;28.0;4;112.0;88.00;2605.;19.6;82;US
Chevrolet Cavalier Wagon;27.0;4;112.0;88.00;2640.;18.6;82;US
Chevrolet Cavalier 2-door;34.0;4;112.0;88.00;2395.;18.0;82;US
Pontiac J2000 SF Hatchback;31.0;4;112.0;85.00;2575.;16.2;82;US

Dodge Aries SE;29.0;4;135.0;84.00;2525.;16.0;82;US
 Pontiac Phoenix;27.0;4;151.0;90.00;2735.;18.0;82;US
 Ford Fairmont Futura;24.0;4;140.0;92.00;2865.;16.4;82;US
 AMC Concord DL;23.0;4;151.0;0;3035.;20.5;82;US
 Volkswagen Rabbit l;36.0;4;105.0;74.00;1980.;15.3;82;Europe
 Mazda GLC Custom l;37.0;4;91.00;68.00;2025.;18.2;82;Japan
 Mazda GLC Custom;31.0;4;91.00;68.00;1970.;17.6;82;Japan
 Plymouth Horizon Miser;38.0;4;105.0;63.00;2125.;14.7;82;US
 Mercury Lynx l;36.0;4;98.00;70.00;2125.;17.3;82;US
 Nissan Stanza XE;36.0;4;120.0;88.00;2160.;14.5;82;Japan
 Honda Accord;36.0;4;107.0;75.00;2205.;14.5;82;Japan
 Toyota Corolla;34.0;4;108.0;70.00;2245;16.9;82;Japan
 Honda Civic;38.0;4;91.00;67.00;1965.;15.0;82;Japan
 Honda Civic (auto);32.0;4;91.00;67.00;1965.;15.7;82;Japan
 Datsun 310 GX;38.0;4;91.00;67.00;1995.;16.2;82;Japan
 Buick Century Limited;25.0;6;181.0;110.0;2945.;16.4;82;US
 Oldsmobile Cutlass Ciera (diesel);38.0;6;262.0;85.00;3015.;17.0;82;US
 Chrysler Lebaron Medallion;26.0;4;156.0;92.00;2585.;14.5;82;US
 Ford Grenada l;22.0;6;232.0;112.0;2835;14.7;82;US
 Toyota Celica GT;32.0;4;144.0;96.00;2665.;13.9;82;Japan
 Dodge Charger 2.2;36.0;4;135.0;84.00;2370.;13.0;82;US
 Chevrolet Camaro;27.0;4;151.0;90.00;2950.;17.3;82;US
 Ford Mustang GL;27.0;4;140.0;86.00;2790.;15.6;82;US
 Volkswagen Pickup;44.0;4;97.00;52.00;2130.;24.6;82;Europe
 Dodge Rampage;32.0;4;135.0;84.00;2295.;11.6;82;US
 Ford Ranger;28.0;4;120.0;79.00;2625.;18.6;82;US
 Chevy S-10;31.0;4;119.0;82.00;2720.;19.4;82;US

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CAR;MPG;CYLINDERS;DISPLACEMENT;HORSEPOWER;WEIGHT;ACCELERATION;MODEL;ORIGIN
STRING;DOUBLE;INT;DOUBLE;DOUBLE;DOUBLE;INT;CAT
CHEVROLET CHEVELLE MALIBU;18.0;8;307.0;130.0;3504.;12.0;70;US
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 PL510;27.0;4;97.00;88.00;2130.;14.5;70;JAPAN
VOLKSWAGEN 1131 DELUXE SEDAN;26.0;4;97.00;46.00;1835.;20.5;70;EUROPE
PEUGEOT 504;25.0;4;110.0;87.00;2672.;17.5;70;EUROPE
AUDI 100 LS;24.0;4;107.0;90.00;2430.;14.5;70;EUROPE
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SAAB 99E;25.0;4;104.0;95.00;2375.;17.5;70;EUROPE
 BMW 2002;26.0;4;121.0;113.0;2234.;12.5;70;EUROPE
 AMC GREMLIN;21.0;6;199.0;90.00;2648.;15.0;70;US
 FORD F250;10.0;8;360.0;215.0;4615.;14.0;70;US
 CHEVY C20;10.0;8;307.0;200.0;4376.;15.0;70;US
 DODGE D200;11.0;8;318.0;210.0;4382.;13.5;70;US
 HI 1200D;9.0;8;304.0;193.0;4732.;18.5;70;US
 DATSUN PL510;27.0;4;97.00;88.00;2130.;14.5;71;JAPAN
 CHEVROLET VEGA 2300;28.0;4;140.0;90.00;2264.;15.5;71;US
 TOYOTA COROLLA;25.0;4;113.0;95.00;2228.;14.0;71;JAPAN
 FORD PINTO;25.0;4;98.00;0;2046.;19.0;71;US
 VOLKSWAGEN SUPER BEETLE 117;0;4;97.00;48.00;1978.;20.0;71;EUROPE
 AMC GREMLIN;19.0;6;232.0;100.0;2634.;13.0;71;US
 PLYMOUTH SATELLITE CUSTOM;16.0;6;225.0;105.0;3439.;15.5;71;US
 CHEVROLET CHEVELLE MALIBU;17.0;6;250.0;100.0;3329.;15.5;71;US
 FORD TORINO 500;19.0;6;250.0;88.00;3302.;15.5;71;US
 AMC MATADOR;18.0;6;232.0;100.0;3288.;15.5;71;US
 CHEVROLET IMPALA;14.0;8;350.0;165.0;4209.;12.0;71;US
 PONTIAC CATALINA BROUGHAM;14.0;8;400.0;175.0;4464.;11.5;71;US
 FORD GALAXIE 500;14.0;8;351.0;153.0;4154.;13.5;71;US
 PLYMOUTH FURY III;14.0;8;318.0;150.0;4096.;13.0;71;US
 DODGE MONACO (SW);12.0;8;383.0;180.0;4955.;11.5;71;US
 FORD COUNTRY SQUIRE (SW);13.0;8;400.0;170.0;4746.;12.0;71;US
 PONTIAC SAFARI (SW);13.0;8;400.0;175.0;5140.;12.0;71;US
 AMC HORNET SPORTABOUT (SW);18.0;6;258.0;110.0;2962.;13.5;71;US
 CHEVROLET VEGA (SW);22.0;4;140.0;72.00;2408.;19.0;71;US
 PONTIAC FIREBIRD;19.0;6;250.0;100.0;3282.;15.0;71;US
 FORD MUSTANG;18.0;6;250.0;88.00;3139.;14.5;71;US
 MERCURY CAPRI 2000;23.0;4;122.0;86.00;2220.;14.0;71;US
 OPEL 1900;28.0;4;116.0;90.00;2123.;14.0;71;EUROPE
 PEUGEOT 304;30.0;4;79.00;70.00;2074.;19.5;71;EUROPE
 FIAT 124B;30.0;4;88.00;76.00;2065.;14.5;71;EUROPE
 TOYOTA COROLLA 1200;31.0;4;71.00;65.00;1773.;19.0;71;JAPAN
 DATSUN 1200;35.0;4;72.00;69.00;1613.;18.0;71;JAPAN
 VOLKSWAGEN MODEL 111;27.0;4;97.00;60.00;1834.;19.0;71;EUROPE
 PLYMOUTH CRICKET;26.0;4;91.00;70.00;1955.;20.5;71;US
 TOYOTA COROLLA HARDTOP;24.0;4;113.0;95.00;2278.;15.5;72;JAPAN
 DODGE COLT HARDTOP;25.0;4;97.50;80.00;2126.;17.0;72;US
 VOLKSWAGEN TYPE 3;23.0;4;97.00;54.00;2254.;23.5;72;EUROPE

CHEVROLET VEGA;20.0;4;140.0;90.00;2408.;19.5;72;US
 FORD PINTO RUNABOUT;21.0;4;122.0;86.00;2226.;16.5;72;US
 CHEVROLET IMPALA;13.0;8;350.0;165.0;4274.;12.0;72;US
 PONTIAC CATALINA;14.0;8;400.0;175.0;4385.;12.0;72;US
 PLYMOUTH FURY III;15.0;8;318.0;150.0;4135.;13.5;72;US
 FORD GALAXIE 500;14.0;8;351.0;153.0;4129.;13.0;72;US
 AMC AMBASSADOR SST;17.0;8;304.0;150.0;3672.;11.5;72;US
 MERCURY MARQUIS;11.0;8;429.0;208.0;4633.;11.0;72;US
 BUICK LESABRE CUSTOM;13.0;8;350.0;155.0;4502.;13.5;72;US
 OLDSMOBILE DELTA 88 ROYALE;12.0;8;350.0;160.0;4456.;13.5;72;US
 CHRYSLER NEWPORT ROYAL;13.0;8;400.0;190.0;4422.;12.5;72;US
 MAZDA RX2 COUPE;19.0;3;70.00;97.00;2330.;13.5;72;JAPAN
 AMC MATADOR (SW);15.0;8;304.0;150.0;3892.;12.5;72;US
 CHEVROLET CHEVELLE CONCOURS (SW);13.0;8;307.0;130.0;4098.;14.0;72;US
 FORD GRAN TORINO (SW);13.0;8;302.0;140.0;4294.;16.0;72;US
 PLYMOUTH SATELLITE CUSTOM (SW);14.0;8;318.0;150.0;4077.;14.0;72;US
 VOLVO 145E (SW);18.0;4;121.0;112.0;2933.;14.5;72;EUROPE
 VOLKSWAGEN 411 (SW);22.0;4;121.0;76.00;2511.;18.0;72;EUROPE
 PEUGEOT 504 (SW);21.0;4;120.0;87.00;2979.;19.5;72;EUROPE
 RENAULT 12 (SW);26.0;4;96.00;69.00;2189.;18.0;72;EUROPE
 FORD PINTO (SW);22.0;4;122.0;86.00;2395.;16.0;72;US
 DATSUN 510 (SW);28.0;4;97.00;92.00;2288.;17.0;72;JAPAN

DATSUN 510 (SW);20.0;4;27.00;92.00;2200.;17.0.;72;JAPAN
 TOYOTA COROLLA MARK II (SW);23.0;4;120.0;97.00;2506.;14.5;72;JAPAN
 DODGE COLT (SW);28.0;4;98.00;80.00;2164.;15.0;72;US
 TOYOTA COROLLA 1600 (SW);27.0;4;97.00;88.00;2100.;16.5;72;JAPAN
 BUICK CENTURY 350;13.0;8;350.0;175.0;4100.;13.0;73;US
 AMC MATADOR;14.0;8;304.0;150.0;3672.;11.5;73;US
 CHEVROLET MALIBU;13.0;8;350.0;145.0;3988.;13.0;73;US
 FORD GRAN TORINO;14.0;8;302.0;137.0;4042.;14.5;73;US
 DODGE CORONET CUSTOM;15.0;8;318.0;150.0;3777.;12.5;73;US
 MERCURY MARQUIS BROUGHAM;12.0;8;429.0;198.0;4952.;11.5;73;US
 CHEVROLET CAPRICE CLASSIC;13.0;8;400.0;150.0;4464.;12.0;73;US
 FORD LTD;13.0;8;351.0;158.0;4363.;13.0;73;US
 PLYMOUTH FURY GRAN SEDAN;14.0;8;318.0;150.0;4237.;14.5;73;US
 CHRYSLER NEW YORKER BROUGHAM;13.0;8;440.0;215.0;4735.;11.0;73;US
 BUICK ELECTRA 225 CUSTOM;12.0;8;455.0;225.0;4951.;11.0;73;US
 AMC AMBASSADOR BROUGHAM;13.0;8;360.0;175.0;3821.;11.0;73;US
 PLYMOUTH VALIANT;18.0;6;225.0;105.0;3121.;16.5;73;US
 CHEVROLET NOVA CUSTOM;16.0;6;250.0;100.0;3278.;18.0;73;US
 AMC HORNET;18.0;6;232.0;100.0;2945.;16.0;73;US
 FORD MAVERICK;18.0;6;250.0;88.00;3021.;16.5;73;US
 PLYMOUTH DUSTER;23.0;6;198.0;95.00;2904.;16.0;73;US
 VOLKSWAGEN SUPER BEETLE;26.0;4;97.00;46.00;1950.;21.0;73;EUROPE
 CHEVROLET IMPALA;11.0;8;400.0;150.0;4997.;14.0;73;US
 FORD COUNTRY;12.0;8;400.0;167.0;4906.;12.5;73;US
 PLYMOUTH CUSTOM SUBURB;13.0;8;360.0;170.0;4654.;13.0;73;US
 OLDSMOBILE VISTA CRUISER;12.0;8;350.0;180.0;4499.;12.5;73;US
 AMC GREMLIN;18.0;6;232.0;100.0;2789.;15.0;73;US
 TOYOTA CAMRY;20.0;4;97.00;88.00;2279.;19.0;73;JAPAN
 CHEVROLET VEGA;21.0;4;140.0;72.00;2401.;19.5;73;US
 DATSUN 610;22.0;4;108.0;94.00;2379.;16.5;73;JAPAN
 MAZDA RX3;18.0;3;70.00;90.00;2124.;13.5;73;JAPAN
 FORD PINTO;19.0;4;122.0;85.00;2310.;18.5;73;US
 MERCURY CAPRI V6;21.0;6;155.0;107.0;2472.;14.0;73;US
 FIAT 124 SPORT COUPE;26.0;4;98.00;90.00;2265.;15.5;73;EUROPE
 CHEVROLET MONTE CARLO S;15.0;8;350.0;145.0;4082.;13.0;73;US
 PONTIAC GRAND PRIX;16.0;8;400.0;230.0;4278.;9.50;73;US
 FIAT 128;29.0;4;68.00;49.00;1867.;19.5;73;EUROPE
 OPEL MANTA;24.0;4;116.0;75.00;2158.;15.5;73;EUROPE
 AUDI 100LS;20.0;4;114.0;91.00;2582.;14.0;73;EUROPE
 VOLVO 144EA;19.0;4;121.0;112.0;2868.;15.5;73;EUROPE
 DODGE DART CUSTOM;15.0;8;318.0;150.0;3399.;11.0;73;US
 SAAB 99LE;24.0;4;121.0;110.0;2660.;14.0;73;EUROPE
 TOYOTA MARK II;20.0;6;156.0;122.0;2807.;13.5;73;JAPAN
 OLDSMOBILE OMEGA;11.0;8;350.0;180.0;3664.;11.0;73;US
 PLYMOUTH DUSTER;20.0;6;198.0;95.00;3102.;16.5;74;US
 FORD MAVERICK;21.0;6;200.0;0;2875.;17.0;74;US
 AMC HORNET;19.0;6;232.0;100.0;2901.;16.0;74;US
 CHEVROLET NOVA;15.0;6;250.0;100.0;3336.;17.0;74;US
 DATSUN B210;31.0;4;79.00;67.00;1950.;19.0;74;JAPAN
 FORD PINTO;26.0;4;122.0;80.00;2451.;16.5;74;US
 TOYOTA COROLLA 1200;32.0;4;71.00;65.00;1836.;21.0;74;JAPAN

MERCEDES-BENZ 240D;30.0;4;146.0;67.00;3250.;21.8;80;EUROPE
 HONDA CIVIC 1500 GL;44.6;4;91.00;67.00;1850.;13.8;80;JAPAN
 RENAULT LECAR DELUXE;40.9;4;85.00;0;1835.;17.3;80;EUROPE
 SUBARU DL;33.8;4;97.00;67.00;2145.;18.0;80;JAPAN
 VOLKSWAGEN RABBIT;29.8;4;89.00;62.00;1845.;15.3;80;EUROPE
 DATSUN 280-ZX;32.7;6;168.0;132.0;2910.;11.4;80;JAPAN
 MAZDA RX-7 GS;23.7;3;70.00;100.0;2420.;12.5;80;JAPAN
 TRIUMPH TR7 COUPE;35.0;4;122.0;88.00;2500.;15.1;80;EUROPE
 FORD MUSTANG COBRA;23.6;4;140.0;0;2905.;14.3;80;US
 HONDA ACCORD;32.4;4;107.0;72.00;2290.;17.0;80;JAPAN

HONDA ACCORD;32.4;4;107.0;72.00;2290.;17.0;80;JAPAN
PLYMOUTH RELIANT;27.2;4;135.0;84.00;2490.;15.7;81;US
BUICK SKYLARK;26.6;4;151.0;84.00;2635.;16.4;81;US
DODGE ARIES WAGON (SW);25.8;4;156.0;92.00;2620.;14.4;81;US
CHEVROLET CITATION;23.5;6;173.0;110.0;2725.;12.6;81;US
PLYMOUTH RELIANT;30.0;4;135.0;84.00;2385.;12.9;81;US
TOYOTA STARLET;39.1;4;79.00;58.00;1755.;16.9;81;JAPAN
PLYMOUTH CHAMP;39.0;4;86.00;64.00;1875.;16.4;81;US
HONDA CIVIC 1300;35.1;4;81.00;60.00;1760.;16.1;81;JAPAN
SUBARU;32.3;4;97.00;67.00;2065.;17.8;81;JAPAN
DATSON 210 MPG;37.0;4;85.00;65.00;1975.;19.4;81;JAPAN
TOYOTA TERCEL;37.7;4;89.00;62.00;2050.;17.3;81;JAPAN
MAZDA GLC 4;34.1;4;91.00;68.00;1985.;16.0;81;JAPAN
PLYMOUTH HORIZON 4;34.7;4;105.0;63.00;2215.;14.9;81;US
FORD ESCORT 4W;34.4;4;98.00;65.00;2045.;16.2;81;US
FORD ESCORT 2H;29.9;4;98.00;65.00;2380.;20.7;81;US
VOLKSWAGEN JETTA;33.0;4;105.0;74.00;2190.;14.2;81;EUROPE
RENAULT 18I;34.5;4;100.0;0;2320.;15.8;81;EUROPE
HONDA PRELUDE;33.7;4;107.0;75.00;2210.;14.4;81;JAPAN
TOYOTA COROLLA;32.4;4;108.0;75.00;2350.;16.8;81;JAPAN
DATSON 200SX;32.9;4;119.0;100.0;2615.;14.8;81;JAPAN
MAZDA 626;31.6;4;120.0;74.00;2635.;18.3;81;JAPAN
PEUGEOT 505S TURBO DIESEL;28.1;4;141.0;80.00;3230.;20.4;81;EUROPE
SAAB 900S;0;4;121.0;110.0;2800.;15.4;81;EUROPE
VOLVO DIESEL;30.7;6;145.0;76.00;3160.;19.6;81;EUROPE
TOYOTA CRESSIDA;25.4;6;168.0;116.0;2900.;12.6;81;JAPAN
DATSON 810 MAXIMA;24.2;6;146.0;120.0;2930.;13.8;81;JAPAN
BUICK CENTURY;22.4;6;231.0;110.0;3415.;15.8;81;US
OLDSMOBILE CUTLASS LS;26.6;8;350.0;105.0;3725.;19.0;81;US
FORD GRENADE GL;20.2;6;200.0;88.00;3060.;17.1;81;US
CHRYSLER LEBARON SALON;17.6;6;225.0;85.00;3465.;16.6;81;US
CHEVROLET CAVALIER;28.0;4;112.0;88.00;2605.;19.6;82;US
CHEVROLET CAVALIER WAGON;27.0;4;112.0;88.00;2640.;18.6;82;US
CHEVROLET CAVALIER 2-DOOR;34.0;4;112.0;88.00;2395.;18.0;82;US
PONTIAC J2000 SE HATCHBACK;31.0;4;112.0;85.00;2575.;16.2;82;US
DODGE ARIES SE;29.0;4;135.0;84.00;2525.;16.0;82;US
PONTIAC PHOENIX;27.0;4;151.0;90.00;2735.;18.0;82;US
FORD FAIRMONT FUTURA;24.0;4;140.0;92.00;2865.;16.4;82;US
AMC CONCORD DL;23.0;4;151.0;0;3035.;20.5;82;US
VOLKSWAGEN RABBIT L;36.0;4;105.0;74.00;1980.;15.3;82;EUROPE
MAZDA GLC CUSTOM L;37.0;4;91.00;68.00;2025.;18.2;82;JAPAN
MAZDA GLC CUSTOM;31.0;4;91.00;68.00;1970.;17.6;82;JAPAN
PLYMOUTH HORIZON MISER;38.0;4;105.0;63.00;2125.;14.7;82;US
MERCURY LYNX L;36.0;4;98.00;70.00;2125.;17.3;82;US
NISSAN STANZA XE;36.0;4;120.0;88.00;2160.;14.5;82;JAPAN
HONDA ACCORD;36.0;4;107.0;75.00;2205.;14.5;82;JAPAN
TOYOTA COROLLA;34.0;4;108.0;70.00;2245;16.9;82;JAPAN
HONDA CIVIC;38.0;4;91.00;67.00;1965.;15.0;82;JAPAN
HONDA CIVIC (AUTO);32.0;4;91.00;67.00;1965.;15.7;82;JAPAN
DATSON 310 GX;38.0;4;91.00;67.00;1995.;16.2;82;JAPAN
BUICK CENTURY LIMITED;25.0;6;181.0;110.0;2945.;16.4;82;US
OLDSMOBILE CUTLASS CIERA (DIESEL);38.0;6;262.0;85.00;3015.;17.0;82;US
CHRYSLER LEBARON MEDALLION;26.0;4;156.0;92.00;2585.;14.5;82;US
FORD GRENADE L;22.0;6;232.0;112.0;2835;14.7;82;US

TOYOTA CELICA GT;32.0;4;144.0;96.00;2665.;13.9;82;JAPAN
DODGE CHARGER 2.2;36.0;4;135.0;84.00;2370.;13.0;82;US
CHEVROLET CAMARO;27.0;4;151.0;90.00;2950.;17.3;82;US
FORD MUSTANG GL;27.0;4;140.0;86.00;2790.;15.6;82;US
VOLKSWAGEN PICKUP;44.0;4;97.00;52.00;2130.;24.6;82;EUROPE
DODGE RAMPAGE;32.0;4;135.0;84.00;2295.;11.6;82;US
FORD RANGER;28.0;4;120.0;79.00;2625.;18.6;82;US
CHEVY S-10;31.0;4;119.0;82.00;2720.;19.4;82;US

DRACULA.

This then was the Un-Dead home of the King-Vampire, to whom so many more were due. Its emptiness spoke eloquent to make certain what I knew. Before I began to restore these women to their dead selves through my awful work, I laid in Alucard's tomb some of the Wafer, and so banished him from it, Un-Dead, for ever.

Then began my terrible task, and I dreaded it. Had it been but one, it had been easy, comparative. But three! To begin twice more after I had been through a deed of horror; for if it was terrible with the sweet Miss Lucy, what would it not be with these strange ones who had survived through centuries, and who had been strengthened by the passing of the years; who would, if they could, have fought for their foul lives....

Oh, my friend John, but it was butcher work; had I not been nerved by thoughts of other dead, and of the living over whom hung such a pall of fear, I could not have gone on. I tremble and tremble even yet, though till all was over, God be thanked, my nerve did stand. Had I not seen the repose in the first place, and the gladness that stole over it just ere the final dissolution came, as realisation that the soul had been won, I could not have gone further with my butchery. I could not have endured the horrid screeching as the stake drove home; the plunging of writhing form, and lips of bloody foam. I should have fled in terror and left my work undone. But it is over! And the poor souls, I can pity them now and weep, as I think of them placid each in her full sleep of death for a short moment ere fading. For, friend John, hardly had my knife severed the head of each, before the whole body began to melt away and crumble in to its native dust, as though the death that should have come centuries agone had at last assert himself and say at once and loud "I am here!"

Before I left the castle I so fixed its entrances that never more can the Count enter there Un-Dead.

When I stepped into the circle where Madam Mina slept, she woke from her sleep, and, seeing, me, cried out in pain that I had endured too much.

"Come!" she said, "come away from this awful place! Let us go to meet my husband who is, I know, coming towards us." She was looking thin and pale and weak; but her eyes were pure and glowed with fervour. I was glad to see her paleness and her illness, for my mind was full of the fresh horror of that ruddy vampire sleep.

And so with trust and hope, and yet full of fear, we go eastward to meet our friends--and him--whom Madam Mina tell me that she know are coming to meet us.

Mina Harker's Journal.

6 November. --It was late in the afternoon when the Professor and I took our way towards the east whence I knew Jonathan was coming. We did not go fast, though the way was steeply downhill, for we had to take heavy rugs and wraps with us; we dared not face the possibility of being left without warmth in the cold and the snow. We had to take some of our provisions, too, for we were in a perfect desolation, and, so far as we could see through the snowfall, there was not even the sign of habitation. When we had gone about a mile, I was tired with the heavy walking and sat down to rest. Then we looked back and saw where the clear line of Alucard's castle cut the sky; for we were so deep under the hill whereon it was set that the angle of perspective of the Carpathian mountains was far below it. We saw it in all its grandeur, perched a thousand feet on the summit of a sheer precipice, and with seemingly a great gap between it and the steep of the adjacent mountain on any side. There was something wild and uncanny about the place. We could hear the distant howling of wolves. They were far off, but the sound, even though coming muffled through the deadening snowfall, was full of terror. I knew from the way Dr. Van Helsing was searching about that he was trying to seek some strategic point, where we would be less exposed in case of attack. The rough roadway still led downwards; we could trace it through the drifted snow.

The Castle of Alucard now stood out against the red sky, and every stone of its broken battlements was articulated against the light of the setting sun.

The gypsies, taking us as in some way the cause of the extraordinary disappearance of the dead man, turned, without a word, and rode away as if for their lives. Those who were unmounted jumped upon the leiter-wagon and shouted to the horsemen not to desert them. The wolves, which had withdrawn to a safe distance, followed in their wake, leaving us alone.

Mr. Morris, who had sunk to the ground, leaned on his elbow, holding his hand pressed to his side; the blood still gushed through his fingers. I flew to him, for the Holy circle did not now keep me back; so did the two doctors. Jonathan knelt behind him and the wounded man laid back his head on his shoulder. With a sigh he took, with a feeble effort, my hand in that of his own which was unstained. He must have seen the anguish of my heart in my face, for he smiled at me and said:--

"I am only too happy to have been of any service! Oh, God!" he cried suddenly, struggling up to a sitting posture and pointing to me, "It was worth for this to die! Look! look!"

The sun was now right down upon the mountain top, and the red gleams fell upon my face, so that it was bathed in rosy light. With one impulse the men sank on their knees and a deep and earnest "Amen" broke from all as their eyes followed the pointing of his finger. The dying man spoke:--

"Now God be thanked that all has not been in vain! See! the snow is not more stainless than her forehead! The curse has passed away!"

And, to our bitter grief, with a smile and in silence, he died, a gallant gentleman.

NOTE

Seven years ago we all went through the flames; and the happiness of some of us since then is, we think, well worth the pain we endured. It is an added joy to Mina and to me that our boy's birthday is the same day as that on which Quincey Morris died. His mother holds, I know, the secret belief that some of our brave friend's spirit has passed into him. His bundle of names links all our little band of men together; but we call him Quincey.

In the summer of this year we made a journey to Transylvania, and went over the old ground which was, and is, to us so full of vivid and terrible memories. It was almost impossible to believe that the things which we had seen with our own eyes and heard with our own ears were living truths. Every trace of all that had been was blotted out. The castle stood as before, reared high above a waste of desolation.

When we got home we were talking of the old time--which we could all look back on without despair, for Godalming and Seward are both happily married. I took the papers from the safe where they had been ever since our return so long ago. We were struck with the fact, that in all the mass of material of which the record is composed, there is hardly one authentic document; nothing but a mass of typewriting, except the later note-books of Mina and Seward and myself, and Van Helsing's memorandum. We could hardly ask any one, even did we wish to, to accept these as proofs of so wild a story. Van Helsing summed it all up as he said, with our boy on his knee:--

"We want no proofs; we ask none to believe us! This boy will some day know what a brave and gallant woman his mother is. Already he knows her sweetness and loving care; later on he will understand how some men so

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vgarcia@cis106:~$ 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
irc:x:39:39:ircd:/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
messagebus:x:102:105::/nonexistent:/usr/sbin/nologin
systemd-timesync:x:103:106:systemd Time Synchronization,,,:/run/systemd:/usr/sbin/nologin
syslog:x:104:111::/home/syslog:/usr/sbin/nologin
_apt:x:105:65534::/nonexistent:/usr/sbin/nologin
tss:x:106:113:TPM software stack,,,:/var/lib/tpm:/bin/false
uuidd:x:107:116::/run/uuidd:/usr/sbin/nologin
systemd-oom:x:108:117:systemd Userspace OOM Killer,,,:/run/systemd:/usr/sbin/nologin
tcpdump:x:109:118::/nonexistent:/usr/sbin/nologin
avahi-autoipd:x:110:119:Avahi autoip daemon,,,:/var/lib/avahi-autoipd:/usr/sbin/nologin
usbmux:x:111:46:usbmux daemon,,,:/var/lib/usbmux:/usr/sbin/nologin
dnsmasq:x:112:65534:dnsmasq,,,:/var/lib/misc:/usr/sbin/nologin
kernoops:x:113:65534:Kernel Oops Tracking Daemon,,,:/usr/sbin/nologin
avahi:x:114:121:Avahi mDNS daemon,,,:/run/avahi-daemon:/usr/sbin/nologin
cups-pk-helper:x:115:122:user for cups-pk-helper service,,,:/home/cups-pk-helper:/usr/sbin/nologin
```

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cups-pk-helper:x:115:122:user for cups-pk-helper service,,,:/home/cups-pk-helper:/usr/sbin/nologin
rtkit:x:116:123:RealtimeKit,,,:/proc:/usr/sbin/nologin
whoopsie:x:117:124::/nonexistent:/bin/false
sssd:x:118:125:SSSD system user,,,:/var/lib/sss:/usr/sbin/nologin
speech-dispatcher:x:119:29:Speech Dispatcher,,,:/run/speech-dispatcher:/bin/false
fwupd-refresh:x:120:126:fwupd-refresh user,,,:/run/systemd:/usr/sbin/nologin
nm-openvpn:x:121:127:NetworkManager OpenVPN,,,:/var/lib/openvpn/chroot:/usr/sbin/nologin
saned:x:122:129::/var/lib/saned:/usr/sbin/nologin
colord:x:123:130:colord colour management daemon,,,:/var/lib/colord:/usr/sbin/nologin
geoclue:x:124:131::/var/lib/geoclue:/usr/sbin/nologin
pulse:x:125:132:PulseAudio daemon,,,:/run/pulse:/usr/sbin/nologin
gnome-initial-setup:x:126:65534::/run/gnome-initial-setup/:/bin/false
hplip:x:127:7:HPLIP system user,,,:/run/hplip:/bin/false
gdm:x:128:134:Gnome Display Manager:/var/lib/gdm3:/bin/false
vgarcia:x:1000:1000:vanessa,,,:/home/vgarcia:/bin/bash
vboxadd:x:999:1::/var/run/vboxadd:/bin/false
_flatpak:x:129:138:Flatpak system-wide installation helper,,,:/nonexistent:/usr/sbin/nologin
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To Mr. and Mrs. Gardiner he was scarcely a less interesting personage than to herself. They had long wished to see him. The whole party before them, indeed, excited a lively attention. The suspicions which had just arisen of Mr. Darcy and their niece, directed their observation towards each with an earnest, though guarded, inquiry; and they soon drew from those inquiries the full conviction that one of them at least knew what it was to love. Of the lady's sensations they remained a little in doubt; but that the gentleman was overflowing with admiration was evident enough.

Elizabeth, on her side, had much to do. She wanted to ascertain the feelings of each of her visitors, she wanted to compose her own, and to make herself agreeable to all; and in the latter object, where she feared most to fail, she was most sure of success, for those to whom she endeavoured to give pleasure were pre-possessed in her favour. Bingley was ready, Georgiana was eager, and Darcy determined, to be pleased.

[Illustration:

"To make herself agreeable to all"

[_Copyright 1894 by George Allen._]

In seeing Bingley, her thoughts naturally flew to her sister; and oh! how ardently did she long to know whether any of his were directed in a like manner. Sometimes she could fancy that he talked less than on former occasions, and once or twice pleased herself with the notion that, as he looked at her, he was trying to trace a resemblance. But, though this might be imaginary, she could not be deceived as to his behaviour to Miss Darcy, who had been set up as a rival to Jane. No look appeared on either side that spoke particular regard. Nothing occurred between them that could justify the hopes of his sister. On this point she was soon satisfied; and two or three little circumstances

be renamed.

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```
vgarcia@cis106:~/Documents/Books$ sed '/^$/d;G' pride-and-prejudice.txt
```

Question 6

```
vgarcia@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:/sync
vgarcia@cis106:~$ grep "/bin/bash" /etc/passwd
root:x:0:0:root:/root:/bin/bash
vgarcia:x:1000:1000:vanessa,,,,:/home/vgarcia:/bin/bash
vgarcia@cis106:~$ grep "/bin/bash" /etc/passwd | wc -l
2
vgarcia@cis106:~$ grep -c "/bin/bash" /etc/passwd
2
vgarcia@cis106:~$ 
```

```
vgarcia@cis106:~$ grep "/sbin/nologin" /etc/passwd | wc -l
40
vgarcia@cis106:~$ grep -c "/sbin/nologin" /etc/passwd
40
vgarcia@cis106:~$ 
```

```
vgarcia@cis106:~/Documents/Csv$ grep -i
Usage: grep [OPTION]... PATTERN [FILE]...
Try 'grep --help' for more information.
vgarcia@cis106:~/Documents/Csv$
vgarcia@cis106:~/Documents/Csv$ grep -i 'ford' cars.csv
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
Ford Torino (sw);0;8;351.0;153.0;4034.;11.0;70;US
Ford Mustang Boss 302;0;8;302.0;140.0;3353.;8.0;70;US
Ford Maverick;21.0;6;200.0;85.00;2587.;16.0;70;US
Ford F250;10.0;8;360.0;215.0;4615.;14.0;70;US
Ford Pinto;25.0;4;98.00;0;2046.;19.0;71;US
Ford Torino 500;19.0;6;250.0;88.00;3302.;15.5;71;US
Ford Galaxie 500;14.0;8;351.0;153.0;4154.;13.5;71;US
Ford Country Squire (sw);13.0;8;400.0;170.0;4746.;12.0;71;US
Ford Mustang;18.0;6;250.0;88.00;3139.;14.5;71;US
Ford Pinto Runabout;21.0;4;122.0;86.00;2226.;16.5;72;US
Ford Galaxie 500;14.0;8;351.0;153.0;4129.;13.0;72;US
Ford Gran Torino (sw);13.0;8;302.0;140.0;4294.;16.0;72;US
Ford Pinto (sw);22.0;4;122.0;86.00;2395.;16.0;72;US
Ford Gran Torino;14.0;8;302.0;137.0;4042.;14.5;73;US
Ford LTD;13.0;8;351.0;158.0;4363.;13.0;73;US
Ford Maverick;18.0;6;250.0;88.00;3021.;16.5;73;US
Ford Country;12.0;8;400.0;167.0;4906.;12.5;73;US
Ford Pinto;19.0;4;122.0;85.00;2310.;18.5;73;US
Ford Maverick;21.0;6;200.0;0;2875.;17.0;74;US
Ford Pinto;26.0;4;122.0;80.00;2451.;16.5;74;US
Ford Country;16.0;8;302.0;140.0;4141.;14.0;74;US
```

```

Ford Gran Torino;16.0;8;302.0;140.0;4141.;14.0;/4;US
Ford Gran Torino (sw);14.0;8;302.0;140.0;4638.;16.0;74;US
Ford Maverick;15.0;6;250.0;72.00;3158.;19.5;75;US
Ford LTD;14.0;8;351.0;148.0;4657.;13.5;75;US
Ford Mustang II;13.0;8;302.0;129.0;3169.;12.0;75;US
Ford Pinto;23.0;4;140.0;83.00;2639.;17.0;75;US
Ford Pinto;18.0;6;171.0;97.00;2984.;14.5;75;US
Ford Gran Torino;14.5;8;351.0;152.0;4215.;12.8;76;US
Ford Maverick;24.0;6;200.0;81.00;3012.;17.6;76;US
Ford Grenada ghia;18.0;6;250.0;78.00;3574.;21.0;76;US
Ford Pinto;26.5;4;140.0;72.00;2565.;13.6;76;US
Ford F108;13.0;8;302.0;130.0;3870.;15.0;76;US
Ford Grenada;18.5;6;250.0;98.00;3525.;19.0;77;US
Ford Thunderbird;16.0;8;351.0;149.0;4335.;14.5;77;US
Ford Mustang II 2+2;25.5;4;140.0;89.00;2755.;15.8;77;US
Ford Fiesta;36.1;4;98.00;66.00;1800.;14.4;78;US
Ford Fairmont (auto);20.2;6;200.0;85.00;2965.;15.8;78;US
Ford Fairmont (man);25.1;4;140.0;88.00;2720.;15.4;78;US
Ford Futura;18.1;8;302.0;139.0;3205.;11.2;78;US
Ford Fairmont 4;22.3;4;140.0;88.00;2890.;17.3;79;US
Ford LTD Landau;17.6;8;302.0;129.0;3725.;13.4;79;US
Ford Country Squire (sw);15.5;8;351.0;142.0;4054.;14.3;79;US
Ford Fairmont;26.4;4;140.0;88.00;2870.;18.1;80;US
Ford Mustang Cobra;23.6;4;140.0;0;2905.;14.3;80;US
Ford Escort 4W;34.4;4;98.00;65.00;2045.;16.2;81;US
Ford Escort 2H;29.9;4;98.00;65.00;2380.;20.7;81;US
Ford Grenada gl;20.2;6;200.0;88.00;3060.;17.1;81;US
Ford Fairmont Futura;24.0;4;140.0;92.00;2865.;16.4;82;US
Ford Grenada l;22.0;6;232.0;112.0;2835;14.7;82;US
Ford Mustang GL;27.0;4;140.0;86.00;2790.;15.6;82;US
Ford Ranger;28.0;4;120.0;79.00;2625.;18.6;82;US

```

```
vgarcia@cis106:~/Documents/Csv$ grep -i 'ford' cars.csv | wc -i
```

```
wc: invalid option -- 'i'
```

```
Try 'wc --help' for more information.
```

```
vgarcia@cis106:~/Documents/Csv$ grep -i 'ford' cars.csv | wc -l
```

```
53
```

```
garcia@cis106:~/Documents/Csv$
```

```
vgarcia@cis106:~/Documents/Books$ grep -wc '4' bible.txt
```

```
2418
```

Challenge Question

```

vgarcia@cis106:~/Documents/Csv$ awk -F';' 'NR > 3 {print $1}' cereal.csv
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
Double Chex
Froot Loops
Frosted Flakes
Frosted Mini-Wheats
Fruit & Fibre Dates, Walnuts, and Oats
Fruitful Bran
Fruity Pebbles
Golden Crisp
Golden Grahams
Grape Nuts Flakes
Grape-Nuts
Great Grains Pecan
Honey Graham Ohs
Honey Nut Cheerios
Honey-comb
Just Right Crunchy Nuggets
Just Right Fruit & Nut
Kix
Life
Lucky Charms
Maypo
Muesli Raisins, Dates, & Almonds
Muesli Raisins, Peaches, & Pecans
Mueslix Crispy Blend
Multi-Grain Cheerios
Nut&Honey Crunch
Nutri-Grain Almond-Raisin
Nutri-grain Wheat
Oatmeal Raisin Crisp
Post Nat. Raisin Bran
Product 19
Puffed Rice
Puffed Wheat
Quaker Oat Squares
Quaker Oatmeal
Raisin Bran
Raisin Nut Bran
Raisin Squares
Rice Chex
Rice Krispies
Shredded Wheat
Shredded Wheat 'n'Bran
Shredded Wheat spoon size
Smacks
Special K

Grape-Nuts
Great Grains Pecan
Honey Graham Ohs
Honey Nut Cheerios
Honey-comb
Just Right Crunchy Nuggets
Just Right Fruit & Nut
Kix
Life
Lucky Charms
Maypo
Muesli Raisins, Dates, & Almonds
Muesli Raisins, Peaches, & Pecans
Mueslix Crispy Blend
Multi-Grain Cheerios
Nut&Honey Crunch
Nutri-Grain Almond-Raisin
Nutri-grain Wheat
Oatmeal Raisin Crisp
Post Nat. Raisin Bran
Product 19
Puffed Rice
Puffed Wheat
Quaker Oat Squares
Quaker Oatmeal
Raisin Bran
Raisin Nut Bran
Raisin Squares
Rice Chex
Rice Krispies
Shredded Wheat
Shredded Wheat 'n'Bran
Shredded Wheat spoon size
Smacks
Special K
Strawberry Fruit Wheats
Total Corn Flakes
Total Raisin Bran
Total Whole Grain
Triples
Trix
Wheat Chex
Wheaties

Wheaties Honey Gold

```
vgarcia@cis106:~/Documents/Csv$ awk -F';' 'NR > 3 {print $1}' cereal.csv | sort
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
Double Chex
Froot Loops
Frosted Flakes
Frosted Mini-Wheats
Fruit & Fibre Dates, Walnuts, and Oats
Fruitful Bran
Fruity Pebbles
Golden Crisp
Golden Grahams
Grape-Nuts
Grape Nuts Flakes
Great Grains Pecan
Honey-comb
Honey Graham Ohs
Honey Nut Cheerios
Just Right Crunchy Nuggets
Just Right Fruit & Nut
Kix
Life
Lucky Charms
Maypo
Muesli Raisins, Dates, & Almonds
Muesli Raisins, Peaches, & Pecans
Mueslix Crispy Blend
Multi-Grain Cheerios
Nut&Honey Crunch
Nutri-Grain Almond-Raisin
Nutri-grain Wheat
Oatmeal Raisin Crisp
Post Nat. Raisin Bran
Product 19
Puffed Rice
Puffed Wheat
Quaker Oatmeal
Quaker Oat Squares
Raisin Bran
Raisin Nut Bran
Raisin Squares
```

```
Raisin Squares
Rice Chex
Rice Krispies
Shredded Wheat
Shredded Wheat 'n'Bran
Shredded Wheat spoon size
Smacks
Special K
Strawberry Fruit Wheats
```

```
Special K
Strawberry Fruit Wheats
Total Corn Flakes
Total Raisin Bran
Total Whole Grain
Triples
Trix
Wheat Chex
Wheaties
Wheaties Honey Gold
```

```
vgarcia@cis106:~/Documents/Csv$ awk -F';' 'NR > 3 {print $1,$4, "calories"}' cereal.csv | tr ';' ','  
100% Natural Bran 120 calories  
All-Bran 70 calories  
All-Bran with Extra Fiber 50 calories  
Almond Delight 110 calories  
Apple Cinnamon Cheerios 110 calories  
Apple Jacks 110 calories  
Basic 4 130 calories  
Bran Chex 90 calories  
Bran Flakes 90 calories  
Cap'n'Crunch 120 calories  
Cheerios 110 calories  
Cinnamon Toast Crunch 120 calories  
Clusters 110 calories  
Cocoa Puffs 110 calories  
Corn Chex 110 calories  
Corn Flakes 100 calories  
Corn Pops 110 calories  
Count Chocula 110 calories  
Cracklin' Oat Bran 110 calories  
Cream of Wheat (Quick) 100 calories  
Crispix 110 calories  
Crispy Wheat & Raisins 100 calories  
Double Chex 100 calories  
Froot Loops 110 calories  
Frosted Flakes 110 calories  
Frosted Mini-Wheats 100 calories  
Fruit & Fibre Dates, Walnuts, and Oats 120 calories  
Fruitful Bran 120 calories  
Fruity Pebbles 110 calories  
Golden Crisp 100 calories  
Golden Grahams 110 calories  
Grape Nuts Flakes 100 calories  
Grape-Nuts 110 calories  
Great Grains Pecan 120 calories  
Honey Graham Ohs 120 calories  
Honey Nut Cheerios 110 calories  
Honey-comb 110 calories  
Just Right Crunchy Nuggets 110 calories  
Just Right Fruit & Nut 140 calories  
Kix 110 calories  
Life 100 calories  
Lucky Charms 110 calories  
Maypo 100 calories  
Muesli Raisins, Dates, & Almonds 150 calories  
Muesli Raisins, Peaches, & Pecans 150 calories  
Mueslix Crispy Blend 160 calories  
Multi-Grain Cheerios 100 calories  
Nut&Honey Crunch 120 calories  
Nutri-Grain Almond-Raisin 140 calories  
Nutri-grain Wheat 90 calories  
Oatmeal Raisin Crisp 130 calories  
Post Nat. Raisin Bran 120 calories  
Product 19 100 calories  
Puffed Rice 50 calories  
Puffed Wheat 50 calories  
Quaker Oat Squares 100 calories  
Quaker Oatmeal 100 calories  
Raisin Bran 120 calories  
Raisin Nut Bran 100 calories  
Raisin Squares 90 calories  
Rice Chex 110 calories  
Rice Krispies 110 calories  
Shredded Wheat 80 calories  
Shredded Wheat 'n'Bran 90 calories  
Shredded Wheat spoon size 90 calories
```

Shredded Wheat spoon size 90 calories
Smacks 110 calories
Special K 110 calories
Strawberry Fruit Wheats 90 calories
Total Corn Flakes 110 calories
Total Raisin Bran 140 calories
Total Whole Grain 100 calories
Triples 110 calories
Trix 110 calories
Wheat Chex 100 calories
Wheaties 100 calories
Wheaties Honey Gold 110 calories