

## Practice 5



```
1/1 | v | + | D | R |
Tilix: jgomez@cisl106 ~
jgomez@cisl106:~/Documents/CSV
jgomez@cisl106:~$ cd ~/Documents/CSV/
jgomez@cisl106:~/Documents/CSV$ awk 'NR > 3 {print}' cars.csv | sort > cars-no-header.csv
jgomez@cisl106:~/Documents/CSV$ cat cars-no-header.csv | tr ';' ',' | awk -F ',' '{print $1,NF$1}'
awk: line 1: syntax error at or near )
jgomez@cisl106:~/Documents/CSV$ cat cars-no-header.csv | tr ';' ',' | awk -F ',' '{print $1,NF$1}'
AMC Ambassador Brougham US
AMC Ambassador DPL US
AMC Ambassador SST US
AMC Concord US
AMC Concord d/l US
AMC Concord DL US
AMC Concord DL 6 US
AMC Grenlin US
AMC Grenlin US
AMC Grenlin US
AMC Grenlin US
AMC Hornet US
AMC Hornet US
AMC Hornet US
AMC Hornet US
AMC Hornet US
AMC Hornet Sportabout (sw) US
AMC Matador US
AMC Matador US
AMC Matador US
AMC Matador US
AMC Matador (sw) US
AMC Matador (sw) US
AMC Pacer US
AMC Pacer d/l US
AMC Rebel SST US
AMC Rebel SST (sw) US
AMC Spirit DL US
Audi 100LS Europe
Audi 100LS Europe
Audi 100 LS Europe
Audi 4000 Europe
Audi 5000 Europe
Audi 5000s (diesel) Europe
Audi Fox Europe
BMW 280i Europe
BMW 320i Europe
Buick Century US
Buick Century US
Buick Century 350 US
Buick Century Limited US
Buick Century Limited US
Buick Century Special US
Buick Century Special US
Buick Electra 225 Custom US
Buick Estate Wagon (sw) US
Buick Estate Wagon (sw) US
Buick Skylark Limited
Cadillac Eldorado
jgomez@cisl106:~/Documents/CSV$ cd ~/Documents/CSV/
jgomez@cisl106:~/Documents/CSV$ cat cars-no-header.csv | tr ';' ',' | awk -F ',' '{print $1}' > cars-brands.csv
jgomez@cisl106:~/Documents/CSV$ grep "US" cars.csv | awk -F ',' '{print $1}'
jgomez@cisl106:~/Documents/CSV$ sort > americanCars.csv
jgomez@cisl106:~/Documents/CSV$ grep "Japan" cars.csv | awk -F ',' '{print $1}' | sort > americanCars.csv
jgomez@cisl106:~/Documents/CSV$ cat americanCars.csv
AMC Ambassador Brougham
AMC Ambassador DPL
AMC Ambassador SST
AMC Concord
AMC Concord
AMC Concord d/l
AMC Concord DL
AMC Concord DL 6
AMC Grenlin
AMC Grenlin
AMC Grenlin
AMC Grenlin
AMC Hornet
AMC Hornet
AMC Hornet
AMC Hornet Sportabout (sw)
AMC Matador
AMC Matador
AMC Matador (sw)
AMC Matador (sw)
AMC Pacer
AMC Pacer d/l
AMC Rebel SST
AMC Rebel SST (sw)
AMC Spirit DL
Buick Century
Buick Century 350
Buick Century Limited
Buick Century Luxus (sw)
Buick Century Special
Buick Electra 225 Custom
Buick Estate Wagon (sw)
Buick Estate Wagon (sw)
Buick LeSabre Custom
Buick Opel Isuzu Deluxe
Buick Regal Sport Coupe (turbo)
Buick Skylark
Buick Skylark
Buick Skylark 320
Buick Skylark Limited
Cadillac Eldorado
Honda Accord CVCC
Honda Accord LX
Honda Civic
Honda Civic
Honda Civic
Honda Civic
Honda Civic 1300
Honda Civic 1500 gl
Honda Civic (auto)
Honda Civic CVCC
Honda Civic CVCC
Honda Prelude
Mazda 626
Mazda 626
Mazda GLC
Mazda GLC 4
Mazda GLC Custom
Mazda GLC Custom l
Mazda GLC Deluxe
Mazda GLC Deluxe
Mazda RX2 Coupe
Mazda RX3
Mazda RX 4
Mazda RX-7 GS
Nissan Stanza XE
Subaru
Subaru DL
Subaru DL
Subaru Canby
Toyota Celica GT
Toyota Celica GT Liftback
Toyota Corolla
Toyota Corolla
Toyota Corolla
Toyota Corolla
Toyota Corolla
Toyota Corolla
Toyota Corolla
Toyota Corolla
Toyota Corolla 1200
Toyota Corolla 1200
Toyota Corolla 1600 (sw)
Toyota Corolla Hardtop
Toyota Corolla Liftback
Toyota Corolla Liftback
Toyota Corolla Mark II
Toyota Corolla Mark II (sw)
Toyota Corolla Tercel
Toyota Cressida
Toyota Mark II
Toyota Mark II
Toyota Starlet
Toyota Tercel
jgomez@cisl106:~$ cat ~/Documents/CSV/americanCars.csv
```