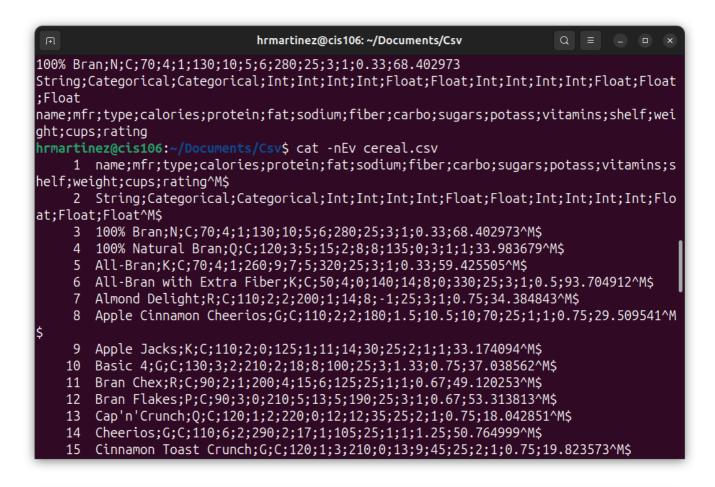
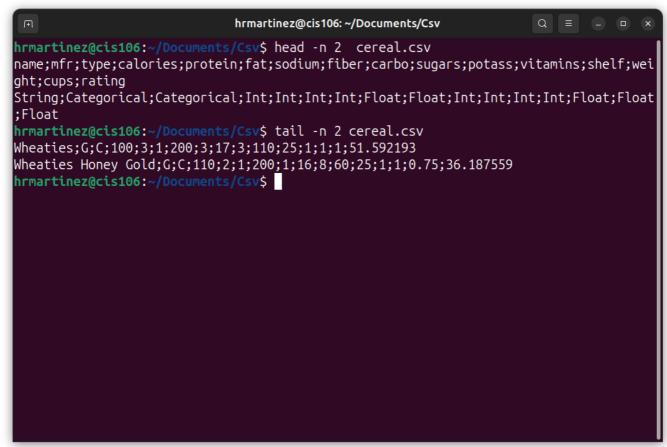
Lab 7

Question 1

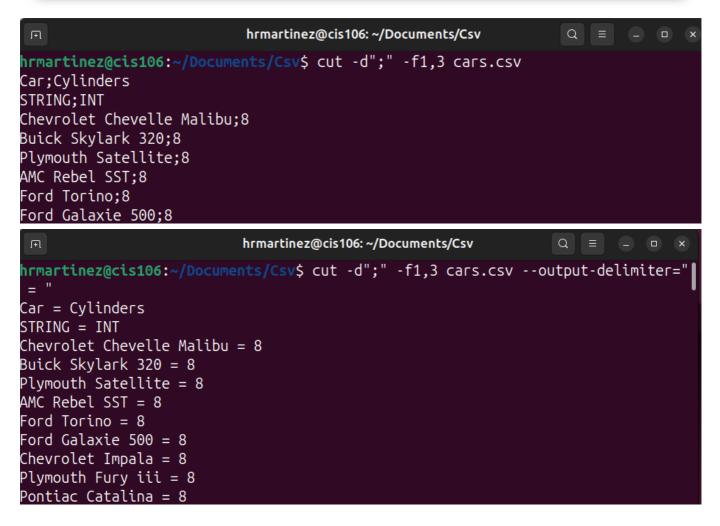
```
hrmartinez@cis106: ~/Documents/Csv
Corn Chex;R;C;110;2;0;280;0;22;3;25;25;1;1;1;41.445019
Cocoa Puffs;G;C;110;1;1;180;0;12;13;55;25;2;1;1;22.736446
Clusters;G;C;110;3;2;140;2;13;7;105;25;3;1;0.5;40.400208
Cinnamon Toast Crunch; G; C; 120; 1; 3; 210; 0; 13; 9; 45; 25; 2; 1; 0.75; 19.8235
Cheerios;G;C;110;6;2;290;2;17;1;105;25;1;1;1.25;50.764999
Cap'n'Crunch;Q;C;120;1;2;220;0;12;12;35;25;2;1;0.75;18.042851
Bran Flakes;P;C;90;3;0;210;5;13;5;190;25;3;1;0.67;53.313813
Bran Chex;R;C;90;2;1;200;4;15;6;125;25;1;1;0.67;49.120253
Basic 4;G;C;130;3;2;210;2;18;8;100;25;3;1.33;0.75;37.038562
Apple Jacks;K;C;110;2;0;125;1;11;14;30;25;2;1;1;33.174094
Apple Cinnamon Cheerios;G;C;110;2;2;180;1.5;10.5;10;70;25;1;1;0.75;
29.509541
Almond Delight;R;C;110;2;2;200;1;14;8;-1;25;3;1;0.75;34.384843
All-Bran with Extra Fiber;K;C;50;4;0;140;14;8;0;330;25;3;1;0.5;93.7
04912
All-Bran;K;C;70;4;1;260;9;7;5;320;25;3;1;0.33;59.425505
100% Natural Bran;Q;C;120;3;5;15;2;8;8;135;0;3;1;1;33.983679
100% Bran;N;C;70;4;1;130;10;5;6;280;25;3;1;0.33;68.402973
String;Categorical;Categorical;Int;Int;Int;Int;Float;Float;Int;Int;
Int;Int;Float;Float;Float
name;mfr;type;calories;protein;fat;sodium;fiber;carbo;sugars;potass
;vitamins;shelf;weight;cups;rating
hrmartinez@cis106:~/Documents/Csv$ tac cereal.csv
```

/





```
hrmartinez@cis106: ~/Documents/Csv
hrmartinez@cis106:~/Documents/Csv$ head -n 1 cars.csv
Car;MPG;Cylinders;Displacement;Horsepower;Weight;Acceleration;Model;Origin
hrmartinez@cis106:~/Documents/Csv$ cut -d";" -f1 cars.csv
Car
STRING
Chevrolet Chevelle Malibu
Buick Skylark 320
Plymouth Satellite
AMC Rebel SST
Ford Torino
Ford Galaxie 500
Chevrolet Impala
Plymouth Fury iii
Pontiac Catalina
AMC Ambassador DPL
Citroen DS-21 Pallas
Chevrolet Chevelle Concours (sw)
Ford Torino (sw)
Plymouth Satellite (sw)
AMC Rebel SST (sw)
Dodge Challenger SE
Plymouth 'Cuda 340
Ford Mustang Boss 302
Chevrolet Monte Carlo
```



```
hrmartinez@cis106: ~/Documents/Csv Q = - - ×

hrmartinez@cis106: ~/Documents/Csv$ sort cars.csv

AMC Ambassador Brougham;13.0;8;360.0;175.0;3821.;11.0;73;US

AMC Ambassador DPL;15.0;8;390.0;190.0;3850.;8.5;70;US

AMC Ambassador SST;17.0;8;304.0;150.0;3672.;11.5;72;US

AMC Concord;19.4;6;232.0;90.00;3210.;17.2;78;US

AMC Concord;24.3;4;151.0;90.00;3003.;20.1;80;US

AMC Concord d/l;18.1;6;258.0;120.0;3410.;15.1;78;US

AMC Concord DL;23.0;4;151.0;0;3035.;20.5;82;US

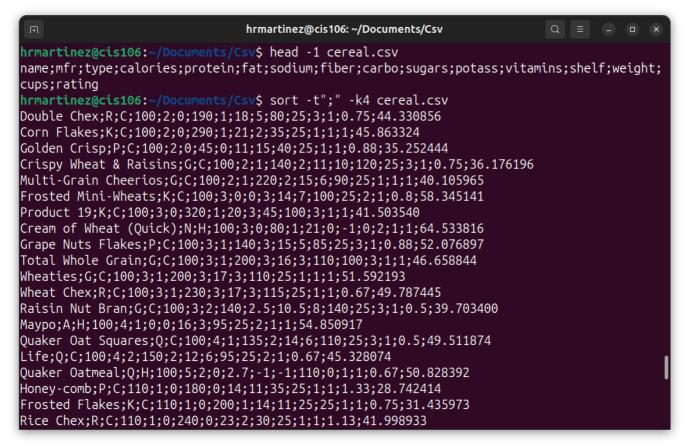
AMC Concord DL 6;20.2;6;232.0;90.00;3265.;18.2;79;US

AMC Gremlin;18.0;6;232.0;100.0;2789.;15.0;73;US

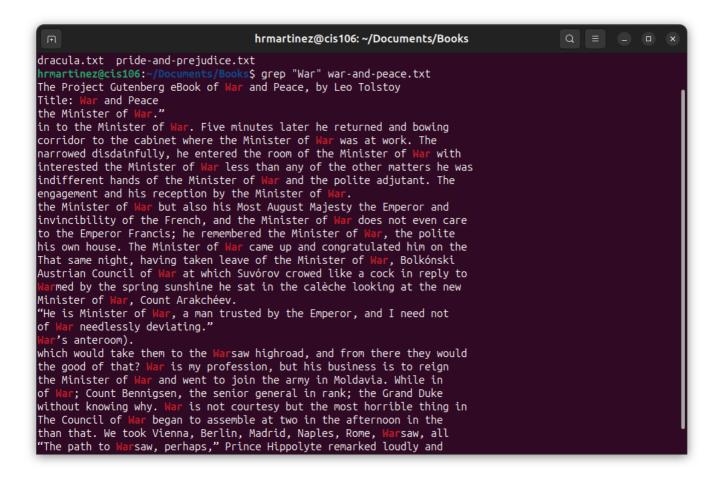
AMC Gremlin;20.0;6;232.0;100.0;2634.;13.0;71;US

AMC Gremlin;20.0;6;232.0;100.0;2914.;16.0;75;US

AMC Gremlin;21.0;6;199.0;90.00;2648.;15.0;70;US
```

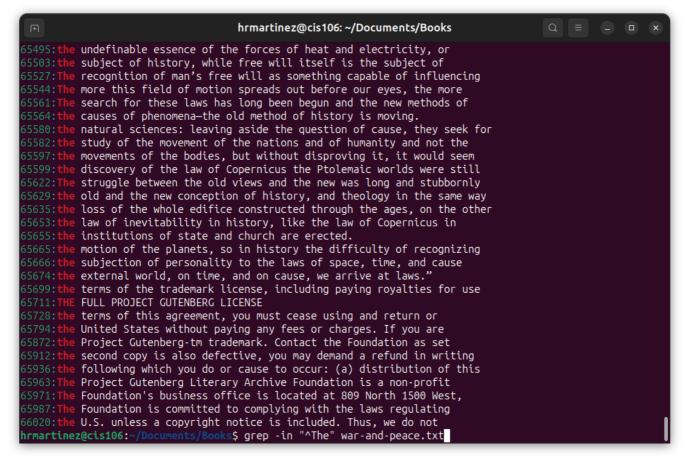


Question 3



hrmartinez@cis106: ~/Documents/Books Secondly, it is assumed that the goal toward which humanity is being led eastward and collides with a countermovement from the east westward. said that God, to reward or punish his people, gave Napoleon power and directed forces. In describing a war or the subjugation of a people, a from the doctrine of the equality of man, or the very cruel wars and of a force compelling men to direct their activity toward a certain end. Napoleon ordered an army to be raised and go to war. We are so wars, revolutions, and conquests—are presented by these historians the west at the end of the eighteenth century and their drive eastward Is the movement of the Russian people eastward to Kazán and Siberia soon as revolutions, conquests, or civil wars occur—that is, as soon as as for instance in a war or a revolution, and so without assuming an When, for instance, we say that Napoleon ordered armies to go to w Men uniting in these combinations always assume such relations toward is it that millions of men commit collective crimes—make war, commit every bit of it is occasioned by the forward movement of the ship, same applies to historical events. Why war and revolution occur we do downwards, a man indubitably believes this and always expects the law in memory, or what is the same thing the farther I go forward in my The Austro-Prussian war appears to us undoubtedly the result of the crafty conduct of Bismarck, and so on. The Napoleonic wars still seem or mother, or self-sacrifice with the possibility of a reward, is more with the self-destruction toward which—ever dissecting and dissecting *** END OF THE PROJECT GUTENBERG EBOOK WAR AND PEACE *** 1.F.2. LIMITED WARRANTY, DISCLAIMER OF DAMAGES - Except for the "Right LIABILITY, BREACH OF WARRANTY OR BREACH OF CONTRACT EXCEPT THOSE OTHER WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PURPOSE. arranties or the exclusion or limitation of certain types of nrmartinez@cis106:~/Documents/Books\$ grep -i "War" war-and-peace.txt

```
hrmartinez@cis106:~/Documents/Books$ grep -ic "War" war-and-peace.txt
hrmartinez@cis106:~/Documents/Books$ grep -icw "War" war-and-peace.txt
293
hrmartinez@cis106:~/Documents/Books$
hrmartinez@cis106:~/Documents/Books$ grep -in "^peace" war-and-peace.txt
5542:peace. The old man was beside himself: moved the chair on which he was
26471: peace." But however much they left her in peace she could not now be
             so long as a single armed enemy remained on Russian soil and told
             with you. As for the Swedes—it is their fate to be governed by
             nor war, neither an advance nor a defensive camp at the Drissa
             and the abolition of war, and secondly, by the fact that when he
            ful, and glorious fatherland, I should have proclaimed
51593: peace arising from consciousness of having stifled those personal dreams
58824: peace he said: There can be no peace for such is the people's will He
58824: peac
            , he said: There can be no peace, for such is the people's will. He ful refuge where he could recover himself, rest, and think over
hrmartinez@cis106:~/Documents/Books$
```



```
hrmartinez@cis106:~/Documents/Books$ grep -Rwi "love" ./
./dracula.txt:know her is to love her. I long to go through the crowded streets of
./dracula.txt:also that there is a chapel of old times. We Transylvanian nobles love
./dracula.txt:battlements and casements. I love the shade and the shadow, and would
./dracula.txt:thought and many blushes, her ill-spelt love-letter, and writing in my
./dracula.txt:"You yourself never loved; you never love!" On this the other women
./dracula.txt:"Yes, I too can love; you yourselves can tell it from the past. Is it
./dracula.txt:to speak more. Oh, Mina, couldn't you guess? I love him. I am blushing
./dracula.txt:words. But oh, Mina, I love him; I love him; I love him! There, that
./dracula.txt:I could love him in time; and when I shook my head his hands trembled,
./dracula.txt:what I would do if I were a man and wanted to make a girl love me. No, I
./dracula.txt:began pouring out a perfect torrent of love-making, laying his very
./dracula.txt:"Yes, there is some one I love, though he has not told me yet that he
./dracula.txt:my dear, and a fine fellow, or you could not love him--hasn't spoken
```

```
hrmartinez@cis106:~/Documents/Books$ grep -nR "^l...d" ./
./dracula.txt:5597:lay down, and when I went over to Bersicker he let me stroke his ears
./dracula.txt:9540:loved and honoured as our host is, everything regarding him is of
./dracula.txt:14713:loved him and honoured him more than I can say, and that my latest and
./dracula.txt:15427:loved her, that they did dare much for her sake."
./great-expectastions.txt:129:lamed by stones, and cut by flints, and stung by nettles, and torn by
./great-expectastions.txt:1672:loved Joe,-perhaps for no better reason in those early days than
./great-expectastions.txt:2117:lived in a large and dismal house barricaded against robbers, and who
./great-expectastions.txt:3085:liked sometimes to smoke his pipe there. I had received strict orders
./great-expectastions.txt:9726:loved her none the less because I knew it, and it had no more influence
./great-expectastions.txt:14015:laundress or her niece, he was to keep himself out of their view until
./great-expectastions.txt:14303:lived, before going up the stairs, Garden Court was as still and
./great-expectastions.txt:14615:lived at the top of Compeyson's house (over nigh Brentford it was), and
./great-expectastions.txt:16596:lived in the supplementary house across the back courtyard, opened the
./great-expectastions.txt:16945:liked about informing the rest. This I did next day, through Herbert,
```

hrmartinez@cis106:~/ \$ grep -R "^d[aeiou]... know how I should be able to get on without it. ndants of the Dacians; Magyars in the West, and Szekelys in the /dracula.txt: ting him to secure the best place on the coach for me; but on ot know what to do, for, as an English Churchman, I have been and, lest who reads them may fancy that I dined too well before I /dracula.txt:d reeable. I had only a couple of glasses of this, and nothing else. onary from my bag and looked them out. I must say they were not blue and purple in the shadows of the peaks, green and brown where ion to have neither eyes nor ears for the outer world. There were ess. It was evident that something very exciting was either ve me, my friend; I know too much, and my horses are swift." As he . By-and-by, however, as I was curious to know how time was , and with extraordinary effect, for under his caresses they became ess, for the rolling clouds obscured the moon. We kept on

hrmartinez@cis106:~/Documents/Books\$ grep -iE "a{2}" dracula.txt
help me deck the room with my garlic, which is all the way from Haarlem,
Haarlem. To-night Dr. Van Helsing is going away, as he has to be for a
hrmartinez@cis106:~/Documents/Books\$