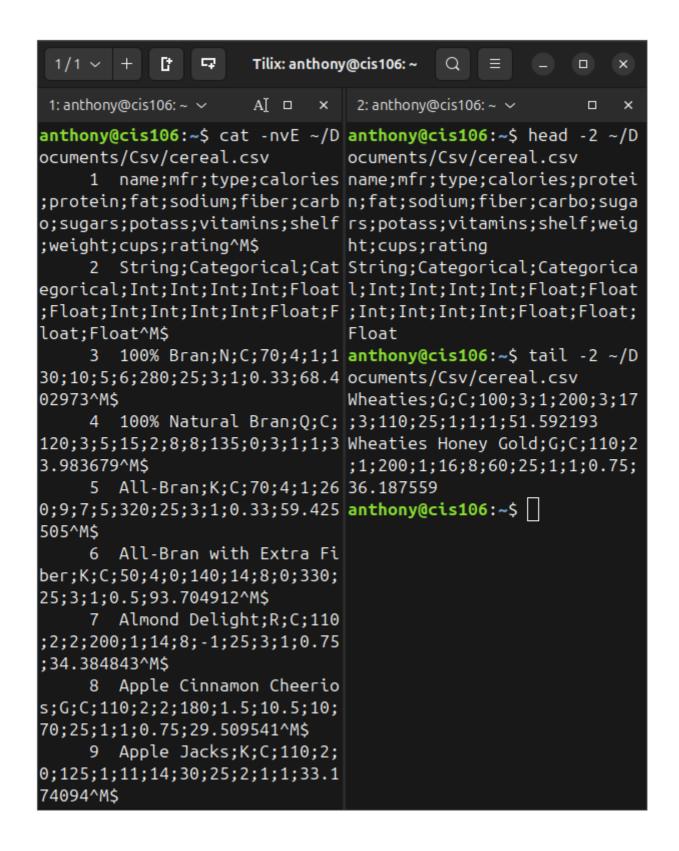
## Lab 7 Submission

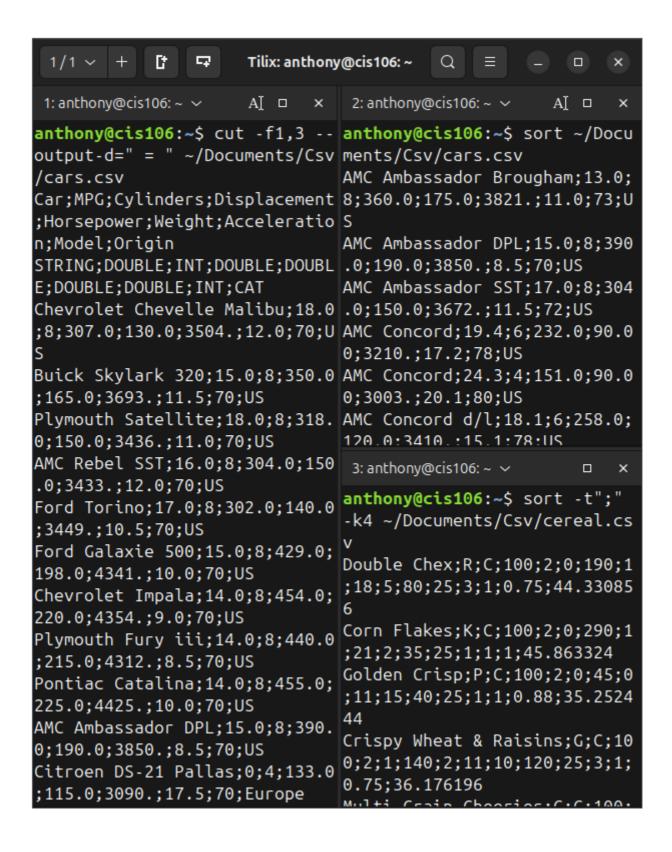
## Question 1

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            D)
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                                2: anthony@cis106: ~ ~
 1: anthony@cis106: ~ ~
                      AĬ 🗆
anthony@cis106:~$ cat ~/Docume anthony@cis106:~$ tac ~/Docum
nts/Csv/c
                               ents/Csv/ceral.csv
                             co tac: failed to open '/home/an
cars.csv
              cereal.csv
                               thony/Documents/Csv/ceral.csv
ntacts.csv
            country.csv
anthony@cis106:~$ cat ~/Docume ' for reading: No such file o
nts/Csv/cereal.csv
                                r directory
name;mfr;type;calories;protein anthony@cis106:~$ tac ~/Docum
;fat;sodium;fiber;carbo;sugars ents/Csv/cereal.csv
;potass;vitamins;shelf;weight; Wheaties Honey Gold;G;C;110;2
cups;rating
                                ;1;200;1;16;8;60;25;1;1;0.75;
String;Categorical;Categorical 36.187559
;Int;Int;Int;Int;Float;Float;I Wheaties;G;C;100;3;1;200;3;17
nt;Int;Int;Int;Float;Float;Flo ;3;110;25;1;1;1;51.592193
at
                               Wheat Chex;R;C;100;3;1;230;3;
100% Bran; N; C; 70; 4; 1; 130; 10; 5; 17; 3; 115; 25; 1; 1; 0.67; 49.78744
6;280;25;3;1;0.33;68.402973
100% Natural Bran;Q;C;120;3;5; Trix;G;C;110;1;1;140;0;13;12;
15;2;8;8;135;0;3;1;1;33.983679 25;25;2;1;1;27.753301
All-Bran;K;C;70;4;1;260;9;7;5; Triples;G;C;110;2;1;250;0;21;
320;25;3;1;0.33;59.425505
                               3;60;25;3;1;0.75;39.106174
All-Bran with Extra Fiber;K;C; Total Whole Grain;G;C;100;3;1
50;4;0;140;14;8;0;330;25;3;1;0 ;200;3;16;3;110;100;3;1;1;46.
.5;93.704912
                               658844
Almond Delight;R;C;110;2;2;200 Total Raisin Bran;G;C;140;3;1
;1;14;8;-1;25;3;1;0.75;34.3848 ;190;4;15;14;230;100;3;1.5;1;
43
                                28.592785
Apple Cinnamon Cheerios;G;C;11 Total Corn Flakes;G;C;110;2;1
0;2;2;180;1.5;10.5;10;70;25;1; ;200;0;21;3;35;100;3;1;1;38.8
1;0.75;29.509541
                                39746
Apple Jacks;K;C;110;2;0;125;1; Strawberry Fruit Wheats;N;C;9
11;14;30;25;2;1;1;33.174094 0;2;0;15;3;15;5;90;25;2;1;1;5
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## Question 2

1/1 ~ + 귝 Tilix: anthony@cis106: ~ D) Q  $\equiv$ × 1: anthony@cis106: ~ ~ AĬ 🗆 2: anthony@cis106: ~ ~ × anthony@cis106:~\$ cut -f1 ~/Do anthony@cis106:~\$ cut -f1,3 ~ cuments/Csv/cars.csv /Documents/Csv/cars.csv Car;MPG;Cylinders;Displacement Car;MPG;Cylinders;Displacemen ;Horsepower;Weight;Acceleratio t;Horsepower;Weight;Accelerat n:Model:Origin ion:Model:Origin STRING; DOUBLE; INT; DOUBLE; DOUBL STRING; DOUBLE; INT; DOUBLE; DOUBLE E;DOUBLE;DOUBLE;INT;CAT LE:DOUBLE:DOUBLE:INT:CAT Chevrolet Chevelle Malibu; 18.0 Chevrolet Chevelle Malibu; 18. ;8;307.0;130.0;3504.;12.0;70;U 0;8;307.0;130.0;3504.;12.0;70 S :US Buick Skylark 320;15.0;8;350.0 Buick Skylark 320;15.0;8;350. ;165.0;3693.;11.5;70;US 0;165.0;3693.;11.5;70;US Plymouth Satellite; 18.0; 8; 318. Plymouth Satellite; 18.0; 8; 318. 0;150.0;3436.;11.0;70;US .0;150.0;3436.;11.0;70;US AMC Rebel SST;16.0;8;304.0;150 AMC Rebel SST;16.0;8;304.0;15 .0;3433.;12.0;70;US 0.0;3433.;12.0;70;US Ford Torino; 17.0; 8; 302.0; 140.0 Ford Torino; 17.0; 8; 302.0; 140. ;3449.;10.5;70;US 0;3449.;10.5;70;US Ford Galaxie 500;15.0;8;429.0; Ford Galaxie 500;15.0;8;429.0 198.0;4341.;10.0;70;US ;198.0;4341.;10.0;70;US Chevrolet Impala;14.0;8;454.0; Chevrolet Impala;14.0;8;454.0 220.0;4354.;9.0;70;US ;220.0;4354.;9.0;70;US Plymouth Fury iii;14.0;8;440.0 Plymouth Fury iii;14.0;8;440. ;215.0;4312.;8.5;70;US 0;215.0;4312.;8.5;70;US Pontiac Catalina; 14.0; 8; 455.0; Pontiac Catalina; 14.0; 8; 455.0 225.0;4425.;10.0;70;US ;225.0;4425.;10.0;70;US AMC Ambassador DPL;15.0;8;390. AMC Ambassador DPL;15.0;8;390 0;190.0;3850.;8.5;70;US .0;190.0;3850.;8.5;70;US Citroen DS-21 Pallas;0;4;133.0 Citroen DS-21 Pallas;0;4;133. ;115.0;3090.;17.5;70;Europe 0;115.0;3090.;17.5;70;Europe Chevrolet Chevelle Concours (s Chevrolet Chevelle Concours (



## Question 3

1/1 ~ + [] **-**Tilix: anthony@cis106: ~ Q ≡ − □ 1: anthony@cis106: ~ ∨ A[ □ × 2: anthony@cis106: ~ ~ anthony@cis106:~\$ grep "War" ~ anthony@cis106:~\$ grep "War" /Documents/Books/war-and-peace -i ~/Documents/Books/war-and-.txt peace.txt The Project Gutenberg eBook of The Project Gutenberg eBook o War and Peace, by Leo Tolstoy f War and Peace, by Leo Tolst Title: War and Peace the Minister of War." Title: War and Peace in to the Minister of War. Fiv \*\*\* START OF THE PROJECT GUTE e minutes later he returned an NBERG EBOOK WAR AND PEACE \*\*\* d bowing WAR AND PEACE corridor to the cabinet where Buonapartes. But I warn you, the Minister of War was at wor if you don't tell me that thi k. The s means war, narrowed disdainfully, he ente things, but Austria never has red the room of the Minister o wished, and does not wish, f f War with or war. She interested the Minister of War Pávlovna's hand and for some less than any of the other ma reason drawing it downwards. tters he was "Arrange indifferent hands of the Minis to get himself killed. Tell m ter of War and the polite adju e what this wretched war is f or?" she tant. The engagement and his reception b she moved toward Anna Pávlovn y the Minister of War. a. Hélène was so lovely that the Minister of War but also h not only is Most August Majesty the Emp "You are off to the war, Prin ce?" said Anna Pávlovna. eror and invincibility of the French, a \* God has given it to me nd the Minister of War does no , let him who touches it bewa t even care re! to the Emperor Francis; he rem more animated. "And believe m

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1/1 ~ + 귝 Tilix: anthony@cis106: ~ Q C†  $\equiv$ 1: anthony@cis106: ~ ∨ AI 🗆 2: anthony@cis106: ~ V anthony@cis106:~\$ grep "war" - anthony@cis106:~\$ grep "^peac ic ~/Documents/Books/war-and-p e" -n ~/Documents/Books/war-a eace.txt nd-peace.txt 1255 5542:peace. The old man was b anthony@cis106:~\$ grep "war" - eside himself: moved the chai c ~/Documents/Books/war-and-pe r on which he was ace.txt 20046:peace." 1219 26471: peace." But however muc anthony@cis106:~\$ grep "^The" h they left her in peace she -n ~/Documents/Books/war-and-p could not now be eace.txt 33900:peace so long as a sing le armed enemy remained on Ru 972:**The** prince was silent and looked indifferent. But, with ssian soil and told the womanly and 34397:peace with you. As for 982:The prince bowed to signif the Swedes—it is their fate t y his respect and gratitude. o be governed by 1004: The prince answered nothi 35057: peace nor war, neither ng, but she looked at him sign an advance nor a defensive ca ificantly, mp at the Drissa 1081: The Abbé Morio and many o 36617: peace and the abolition thers had also come. of war, and secondly, by the 1102:**The** young Princess Bolkón fact that when he skaya had brought some work in 44768:peaceful, and glorious fatherland, I should have pro 1118: The little princess went claimed round the table with quick, sh 51593:peace arising from cons ciousness of having stifled t ort, swaying 1221: The third group was gathe hose personal dreams red round Mortemart and Anna P 58824:peace, he said: There c an be no peace, for such is t ávlovna. 1223:**The** vicomte was a nice-lo he people's will. He

