

# Lab 7 Submission

## Question 1

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1/1 + [icons] Tilix: rtorres2@cis106: ~/Documents/Csv [search] [menu] [window controls]

1: rtorres2@cis106: ~/Documents/Csv [AI icon] [window controls]

rtorres2@cis106:~/Documents$ cd Csv/
rtorres2@cis106:~/Documents/Csv$ ls
cars.csv cereal.csv contacts.csv country.csv film.csv
rtorres2@cis106:~/Documents/Csv$ cat cereal.csv
name;mfr;type;calories;protein;fat;sodium;fiber;carbo;sugars;potass;vitamins;shelf;weight;cups;rating
String;Categorical;Categorical;Int;Int;Int;Int;Float;Float;Int;Int;Int;Int;Float;Float;Float
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
rtorres2@cis106:~/Documents/Csv$ tac cereal.csv

1: rtorres2@cis106: ~/Documents/Csv [AI icon] [window controls]

rtorres2@cis106:~/Documents/Csv$ cat -nEv cereal.csv
      1  name;mfr;type;calories;protein;fat;sodium;fiber;carbo;sugars;potass;vitamins;shelf;weight;cups;rating^M$
      2  String;Categorical;Categorical;Int;Int;Int;Int;Float;Float;Int;Int;Int;Int;Float;Float;Float^M$
      3  100% Bran;N;C;70;4;1;130;10;5;6;280;25;3;1;0.33;68.402973^M$
      4  100% Natural Bran;Q;C;120;3;5;15;2;8;8;135;0;3;1;1;33.983679^M$
      5  All-Bran;K;C;70;4;1;260;9;7;5;320;25;3;1;0.33;59.425505^M$

1: rtorres2@cis106: ~/Documents/Csv [AI icon] [window controls]

rtorres2@cis106:~/Documents/Csv$ head -n 2 cereal.csv
name;mfr;type;calories;protein;fat;sodium;fiber;carbo;sugars;potass;vitamins;shelf;weight;cups;rating
String;Categorical;Categorical;Int;Int;Int;Int;Float;Float;Int;Int;Int;Int;Float;Float;Float
rtorres2@cis106:~/Documents/Csv$ tail -n 2 cereal.csv
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
rtorres2@cis106:~/Documents/Csv$
```

## Question 2

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1: rtorres2@cis106: ~/Documents/Csv
rtorres2@cis106:~/Documents/Csv$ head -n 1 cars.csv
Car;MPG;Cylinders;Displacement;Horsepower;Weight;Acceleration;Model;Origin
rtorres2@cis106:~/Documents/Csv$ cut -d";" -f1 cars.csv
Car
STRING
Chevrolet Chevelle Malibu
Buick Skylark 320

1/1 + Tmux: rtorres2@cis106: ~/Documents/Csv
1: rtorres2@cis106: ~/Documents/Csv
rtorres2@cis106:~/Documents/Csv$ cut -d ";" -f1,3 cars.csv
Car;Cylinders
STRING;INT
Chevrolet Chevelle Malibu;8
Buick Skylark 320;8
Ford Grenada 1 = 6
Toyota Celica GT = 4
Dodge Charger 2.2 = 4
Chevrolet Camaro = 4
Ford Mustang GL = 4
Volkswagen Pickup = 4
Dodge Rampage = 4
rtorres2@cis106:~/Documents/Csv$ cut -d";" -f1,3 cars.csv --output-delimiter=" = "
Volvo 144ea;19.0;4;121.0;112.0;2868.;15.5;73;Europe
Volvo 145e (sw);18.0;4;121.0;112.0;2933.;14.5;72;Europe
Volvo 244DL;22.0;4;121.0;98.00;2945.;14.5;75;Europe
Volvo 245;20.0;4;130.0;102.0;3150.;15.7;76;Europe
Volvo 264gl;17.0;6;163.0;125.0;3140.;13.6;78;Europe
Volvo Diesel;30.7;6;145.0;76.00;3160.;19.6;81;Europe
rtorres2@cis106:~/Documents/Csv$ sort cars.csv
Nutri-grain Wheat;K;C;90;3;0;170;3;18;2;90;25;3;1;1;59.642837
Bran Flakes;P;C;90;3;0;210;5;13;5;190;25;3;1;0.67;53.313813
name;mfr;type;calories;protein;fat;sodium;fiber;carbo;sugars;potass;vitamins;shelf;weight
; cups;rating
String;Categorical;Categorical;Int;Int;Int;Int;Int;Float;Float;Int;Int;Int;Int;Float;Float;Fl
oat
rtorres2@cis106:~/Documents/Csv$ sort -t";" -k4 cereal.csv

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## Question 3

```
rtores2@cis106:~/Documents/Books$ grep "War" war-and-peace.txt
The Project Gutenberg eBook of War and Peace, by Leo Tolstoy
Title: War and Peace
the Minister of War."
in to the Minister of War. Five minutes later he returned and bowing
corridor to the cabinet where the Minister of War was at work. The
narrowed disdainfully, he entered the room of the Minister of War with
interested the Minister of War less than any of the other matters he was
indifferent hands of the Minister of War and the polite adjutant. The
engagement and his reception by the Minister of War.
```

"The path to Warsaw, perhaps," Prince Hippolyte remarked loudly and unexpectedly. Everybody looked at him, understanding what he meant.

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Chichagóv, one of the most zealous "cutters-off" and "breakers-up," who had first wanted to effect a diversion in Greece and then in Warsaw but never wished to go where he was sent: Chichagóv, noted for the boldness

```
rtores2@cis106:~/Documents/Books$ grep -1 "War" war-and-peace.txt
```

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1: rtores2@cis106: ~/Documents/Books
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```
rtores2@cis106:~/Documents/Books$ grep -ic "War" war-and-peace.txt
```

1255

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rtores2@cis106:~/Documents/Books$ grep -iwc "War" war-and-peace.txt
```

293

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rtores2@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

20046:peace."

26471:peace." But however much they left her in peace she could not now be

33900:peace so long as a single armed enemy remained on Russian soil and told

34397:peace with you. As for the Swedes—it is their fate to be governed by

35057:peace nor war, neither an advance nor a defensive camp at the Drissa

36617:peace and the abolition of war, and secondly, by the fact that when he

44768:peaceful, 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

59768:peaceful refuge where he could recover himself, rest, and think over

```
rtores2@cis106:~/Documents/Books$
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1: rtores2@cis106: ~/Documents/Books
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```
rtores2@cis106:~/Documents/Books$ grep -nw "^The" war-and-peace.txt
```

972:The prince was silent and looked indifferent. But, with the womanly and

982:The prince bowed to signify his respect and gratitude.

1004:The prince answered nothing, but she looked at him significantly,

1081:The Abbé Morio and many others had also come.

1102:The young Princess Bolkónskaya had brought some work in a

1118:The little princess went round the table with quick, short, swaying

1221:The third group was gathered round Mortemart and Anna Pávlovna.

1223:The vicomte was a nice-looking young man with soft features and polished

```
1: rtores2@cis106: ~/Documents/Books
```

```
rtores2@cis106:~/Documents/Books$ ls
```

bible.txt dracula.txt great-expectations.txt pride-and-prejudice.txt war-and-peace.txt

```
rtores2@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

```
1: rtores2@cis106: ~/Documents/Books
```

```
rtores2@cis106:~/Documents/Books$ grep -nR "^l..." ./
```

./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."

./war-and-peace.txt:5254:liked to. He looked inquiringly at his mistress and saw that she was

./war-and-peace.txt:7296:liked to tell him. He gathered up the papers and with a bow to both,

./war-and-peace.txt:12933:liked to repeat to herself. It was the story of a girl who had been

1: rtorres2@cis106: ~/Documents/Books

AI □ ×

```
rtorres2@cis106:~/Documents/Books$ grep -wniR "^d[aeiou]..." ./
./dracula.txt:136:don't know how I should be able to get on without it.
./dracula.txt:299:down, and, lest who reads them may fancy that I dined too well before I
./dracula.txt:511:delay. By-and-by, however, as I was curious to know how time was
./dracula.txt:534:doing, and with extraordinary effect, for under his caresses they became
./dracula.txt:712:door:--
```

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rtorres2@cis106:~/Documents/Books$ grep -iE "a{2}" dracula.txt
```