Lab 7

Q1

Q2

```
sarah@cis106:~/Documents/Csv$ cut -d";"
cut: you must specify a list of bytes, characters, or fields
Try 'cut --help' for more information.
sarah@cis106:~/Documents/Csv$ cut -d";"
cut: you must specify a list of bytes, characters, or fields
Try 'cut --help' for more information.
sarah@cis106:~/Documents/Csv$ cut -d";" -f1,3 cars.csv
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <title>Maintenance</title>
    <style>
      body {
          text-align: center
          font-family: "Helvetica Neue", Helvetica, Arial, sans-seri
          margin: auto
```

```
      <h1>Due to electrical maintenance, the applications are unavailable from Fri
day, November 15, 8 p.m. to Sunday, November 17, noon.</h1>
      <h2>We apologize for the inconvenience.</h2>
   </body>
</html>
sarah@cis106:~/Documents/Csv$ cut -d";" -f1,3 cars.csv --output-delimiter=" = "
```

```
      y="5.7199998"
     y="-835.55084"
sarah@cis106:~/Documents/Csv$ sort c
sort: cannot read: c: No such file or directory
sarah@cis106:~/Documents/Csv$ sort cars.csv
```

```
idth:0.352778"
        style="fill:#40c0d8;fill-opacity:1;fill-rule:nonzero;stroke:none;str
idth:0.352778"
        style="fill:#40c0d8;fill-opacity:1;fill-rule:nonzero;stroke:none;str
idth:0.352778"
        style="fill:#40c0d8;fill-opacity:1;fill-rule:nonzero;stroke:none;str
idth:0.352778"
        style="fill:#40c0d8;fill-opacity:1;fill-rule:nonzero;stroke:none;str
idth:0.352778"
        id="style977">.cls-1{fill:#fff;}.cls-2{fill:#bf1238;}.cls-3{fill:#c7
}</style>
sarah@cis106:~/Documents/Csv$ sort -t";" -k4 cereal.csv
```

Q3

```
arah@cis106:~/Documents/Csv$ cd ../Books/
arah@cis106:~/Documents/Books$ ls
ble.txt      great-expectastions.txt   war-and-peace.txt
racula.txt   pride-and-prejudice.txt
arah@cis106:~/Documents/Books$ grep "War" war-and-peace.txt
e Project Gutenberg eBook of War and Peace, by Leo Tolstoy
itle: War and Peace
e Minister of War."
 to the Minister of War. Five minutes later he returned and bowing
rridor to the cabinet where the Minister of War was at work. The
rrowed disdainfully, he entered the room of the Minister of War with
terested the Minister of War less than any of the other matters he was
different hands of the Minister of War and the polite adjutant. The
ad first wanted to effect a diversion in Greece and then in Warsaw bu
arah@cis106:~/Documents/Books$ grep -1 "War" war-and-peace.txt
he Project Gutenberg eBook of War and Peace, by Leo Tolstoy

-

itle: War and Peace

-

he adjutant on duty," said the official. "He will conduct you to
```

```
dracula.txt                    pride-and-prejudice.txt
sarah@cis106:~/Documents/Books$ grep
bible.txt                      great-expectastions.txt   war-and-peace.txt
dracula.txt                    pride-and-prejudice.txt
sarah@cis106:~/Documents/Books$ grep -ic "War" war-and-peace.txt
1255
sarah@cis106:~/Documents/Books$ grep -iwc "War" war-and-peace.txt
293
```

```
*** END OF THE PROJECT GUTENBERG EBOOK WAR AND PEACE ***
sarah@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
```

```
ah@cis106:~/Documents/Books$ grep -nw "^The" war-and-peace.txt
:The prince was silent and looked indifferent. But, with the womanly and
:The prince bowed to signify his respect and gratitude.
4:The prince answered nothing, but she looked at him significantly.
```

```
sarah@cis106:~/Documents/Books$ grep -Rwi "Love" ./
/great-expectastions.txt:because the dear fellow let me love him,—and, as to
, my inner self
/great-expectastions.txt:"Cousin Raymond," observed another lady, "we are to
e our
/great-expectastions.txt:anxiety of those I love. If I could be less affectio
e and sensitive,
/great-expectastions.txt:("Much higher than your head, my love," said Mr. Cam
a.)
/great-expectastions.txt:thank you, my love?"
/great-expectastions.txt:and depart. It's something to have seen the object o
ne's love and
/great-expectastions.txt:"If I could only get myself to fall in love with you
ou don't mind my
```

Question 3: grep

1 Display every line that contains the word **"War"** in the book `war-and-peace`

2 Repeat the previous command with case sensitivity disabled

3 Repeat the previous command but this time only display the total number of lines that contain the word **"war"**

4 The previous command will match the word **war** even if it is part of another word. Now, instead, let's match only the word war. How would you do this?

5 Display every line that starts with the word **peace**. Include line numbers in the command.

6 Display every line that starts with the word **The**. Include line numbers in the command.

7 Display every line that contains the word **love** inside every book file. It cannot be a variation of the word love. It has the be the exact word regardless of the case.

8 Search for any 5-letter word that starts with **l** (el) and ends in the letter **d** in every book file. (notice lower case L and lower case d). Make sure to include line numbers.

9 Search for any 4-letter word that starts with **d**, contains a vowel after **d**, and 3 more characters in every book.

10 Search for every word that contains 2 repeated **a** letters in the book `dracula`

Take a screenshot of your terminal showing the commands you used to complete this question. You will need more than 1 screenshot. You will receive full credit if I can see the screenshot and at least a portion of the output.

```
sarah@cis106:~/Documents/Books$ grep -wniR "^d[aeiou]..." ./
/great-expectastions.txt:487:dead."
/great-expectastions.txt:711:down, for it made him stumble,—and then he ra
 the mist, stumbling
/great-expectastions.txt:957:done. Under the weight of my wicked secret, I
red whether the
/great-expectastions.txt:1296:dusk, my orders are. That'll do."
```

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