Question 1

```
                  recreationat.json

4 directories, 15 files
nop@cis106:~/Documents$ tac cereal.csv
tac: failed to open 'cereal.csv' for reading: No such file or directory
nop@cis106:~/Documents$ tac csv
tac: failed to open 'csv' for reading: No such file or directory
nop@cis106:~/Documents$ cd Csv/
nop@cis106:~/Documents/Csv$ ls
cars.csv  cereal.csv  contacts.csv  country.csv  film.csv
nop@cis106:~/Documents/Csv$ cat cereal.csv
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <title>Maintenance</title>
    <style>
      body {
          text-align: center;
          font-family: "Helvetica Neue", Helvetica, Arial, sans-serif;
          margin: auto;
          width: 100%;
      }
      h1 {
          font-size: 28px;
```
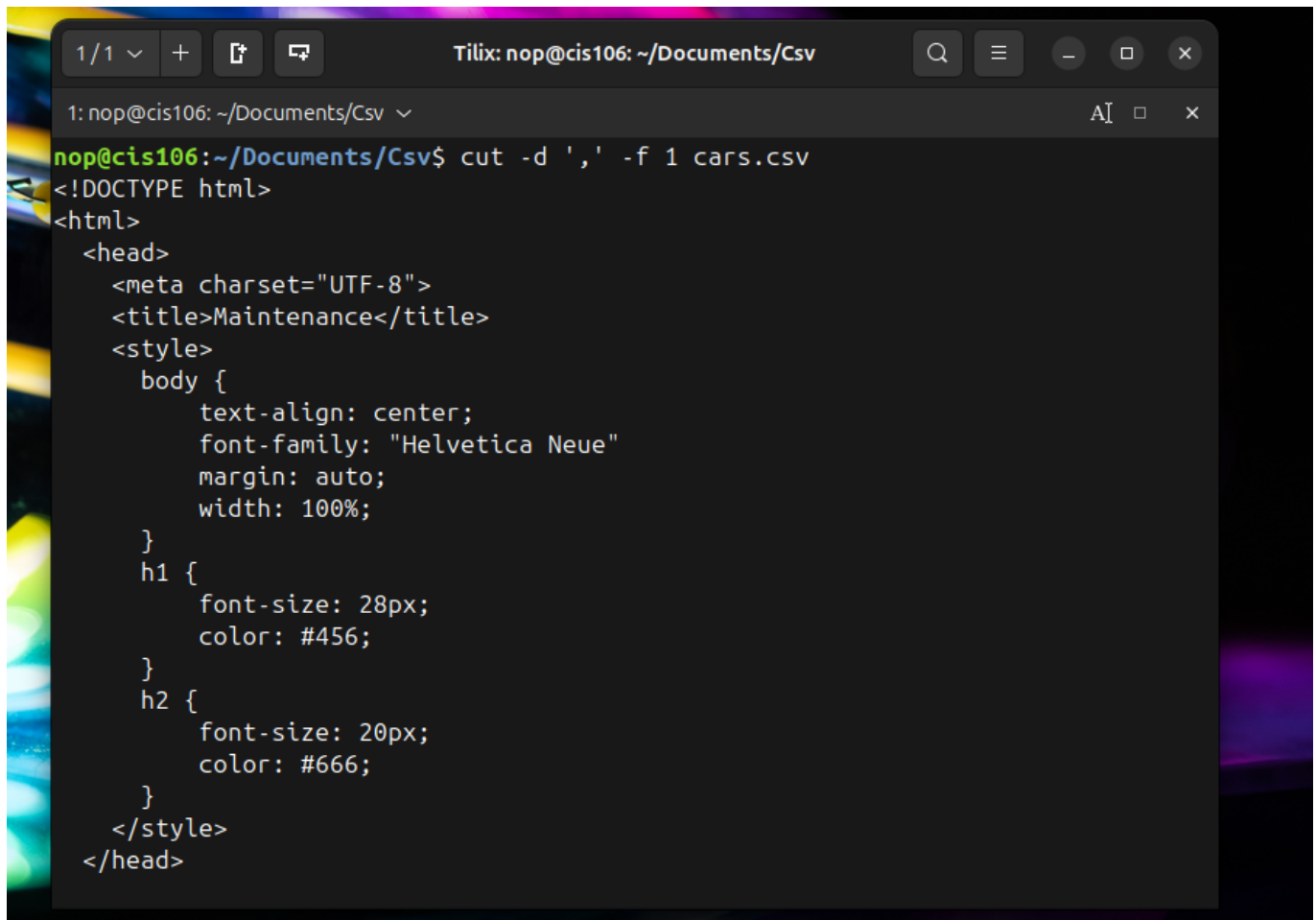
```
      <h1>Due to electrical maintenance, the applications are unavailable from Fri
day, November 15, 8 p.m. to Sunday, November 17, noon.</h1>
      <h2>We apologize for the inconvenience.</h2>
    </body>
</html>
nop@cis106:~/Documents/Csv$ tac cereal.csv
</html>
    </body>
      <h2>We apologize for the inconvenience.</h2>
      <h1>Due to electrical maintenance, the applications are unavailable from Fri
day, November 15, 8 p.m. to Sunday, November 17, noon.</h1>
      <h2>Nous vous prions de bien vouloir nous excuser pour la gêne occasionnée.<
/h2>
      <h1>En raison d'une maintenance électrique les services numériques sont indi
sponibles du vendredi 15 novembre 20h au dimanche 17 novembre midi.</h1>
</svg>
          style="stroke-width:1.13969" />
          transform="rotate(90)"
          id="rect1065-3"
          height="1.75"
          width="212.22714"
          y="-536.1283"
          x="20"
      <rect
```

```
935  </html>$
nop@cis106:~/Documents/Csv$ cat -nEv cereal.csv
     1  <!DOCTYPE html>$
     2  <html>$
     3    <head>$
     4      <meta charset="UTF-8">$
     5      <title>Maintenance</title>$
     6      <style>$
     7        body {$
     8            text-align: center;$
     9            font-family: "Helvetica Neue", Helvetica, Arial, sans-serif;$
    10            margin: auto;$
    11            width: 100%;$
    12        }$
    13        h1 {$
```

```
nop@cis106:~/Documents/Csv$ head -n 2 cereal.csv
<!DOCTYPE html>
<html>
nop@cis106:~/Documents/Csv$
```
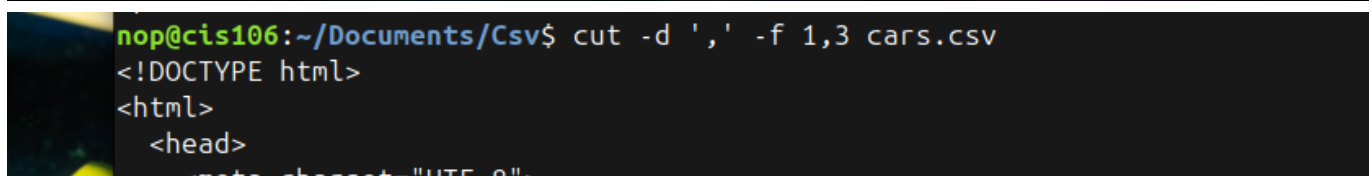
```
nop@cis106:~/Documents/Csv$ tail -n 2 cereal.csv
  </body>
</html>
nop@cis106:~/Documents/Csv$
```
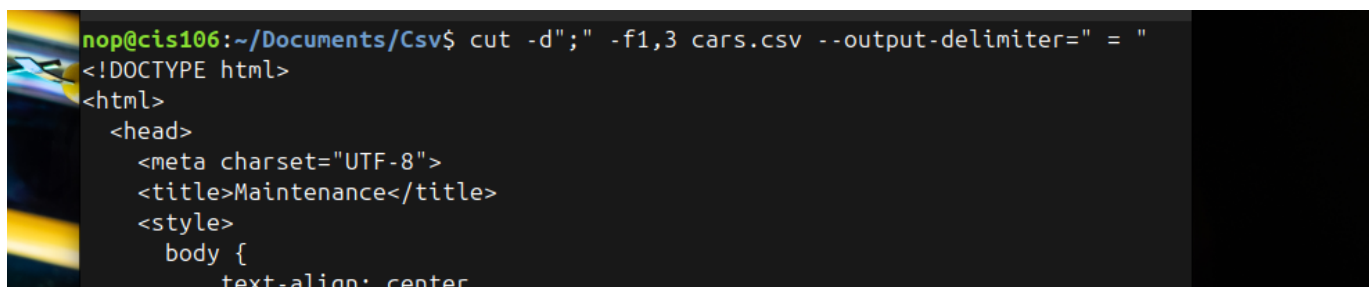
Question 2

```
1/1 ∨   +   ⯮   ⯌              Tilix: nop@cis106: ~/Documents/Csv              🔍   ☰   —   ▢   ✕

1: nop@cis106: ~/Documents/Csv ∨                                              A͟  ▢   ✕

nop@cis106:~/Documents/Csv$ cut -d ',' -f 1 cars.csv
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <title>Maintenance</title>
    <style>
      body {
          text-align: center;
          font-family: "Helvetica Neue"
          margin: auto;
          width: 100%;
      }
      h1 {
          font-size: 28px;
          color: #456;
      }
      h2 {
          font-size: 20px;
          color: #666;
      }
    </style>
  </head>
```

```
nop@cis106:~/Documents/Csv$ cut -d ',' -f 1,3 cars.csv
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF 8">
```

```
nop@cis106:~/Documents/Csv$ cut -d";" -f1,3 cars.csv --output-delimiter=" = "
<!DOCTYPE html>
<html>
  <head>
    <meta charset="UTF-8">
    <title>Maintenance</title>
    <style>
      body {
          text-align: center
```

/

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

        }
        }
        }
      body {
  </body>
  <body>
     bordercolor="#666666"
     borderopacity="1"
      </cc:Work>
      <cc:Work
       class="cls-1"
       class="cls-1"
       class="cls-1"
       class="cls-1"
       class="cls-1"
       class="cls-1"
       class="cls-1"
      class="cls-1"
       class="cls-2"
```

```
nop@cis106:~/Documents/Csv$ sort -t ',' -k3,3n cereal.csv
        d="M 0,0 -129.58,-129.59 V 0 Z"
        d="M 0,0 V -129.59 H -129.589 V 0 l 64.795,-64.795 z"
      d="m 199.46,206.56 -0.06,-43.19 h -7.33 c -0.76,1 -0.25,5.59 -2.57,6.47 -
7.84,-1.76 -0.69,-2.65 -3.38,-6.47 -0.34,0 -3.54,0 -3.88,0 0.36,0 1.73,1.58 -0.3
2,3.34 -2.75,18.11 2.31,25.49 -0.25,39.84 z"
        d="M 0,0 6.646,-19.542 H 6.725 L 13.015,0 H 21.81 V -28.418 H 15.96 V -
8.279 H 15.88 L 8.915,-28.418 H 4.1 l -6.965,19.94 h -0.08 v -19.94 h -5.85 V 0
Z"
        d="m 171.68.135.66 v -0.54 h 1.75 v -12.64 h -1.63 v -0.57 h 4.59 v 13.21
```

Question 3

```
1: nop@cis106: ~/Documents/Books ∨                                             A] □    ⤬

nop@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
```

```
nop@cis106:~/Documents/Books$ grep -i "war" war-and-peace.txt
The Project Gutenberg eBook of War and Peace, by Leo Tolstoy
Title: War and Peace
*** START OF THE PROJECT GUTENBERG EBOOK WAR AND PEACE ***
WAR AND PEACE
Buonapartes. But I warn you, if you don't tell me that this means war,
things, but Austria never has wished, and does not wish, for war. She
Pávlovna's hand and for some reason drawing it downwards. "Arrange
```

```
1: nop@cis106: ~/Documents/Books ∨                                             □    ⤬

nop@cis106:~/Documents/Books$ grep -i -c "war" war-and-peace.txt
1255
nop@cis106:~/Documents/Books$ ▮
```

/

```
nop@cis106:~/Documents/Books$ grep -iwc "war" war-and-peace.txt
293
```

```
nop@cis106:~/Documents/Books$ grep -n "^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
```

```
59768:peaceful refuge where he could recover himself, rest, and think over
nop@cis106:~/Documents/Books$ grep -n "^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,
```

```
nop@cis106:~/Documents/Books$ grep -i -w "love" *.txt
bible.txt:Genesis 27:4  And make me savory meat, such as I love, and bring it t
o me, that I may eat; that my soul may bless thee before I die.
bible.txt:Genesis 29:20 And Jacob served seven years for Rachel; and they seeme
d unto him but a few days, for the love he had to her.
bible.txt:Genesis 29:32 And Leah conceived, and bare a son, and she called his
name Reuben: for she said, Surely the LORD hath looked upon my affliction; now
therefore my husband will love me.
bible.txt:Exodus 20:6   And showing mercy unto thousands of them that love me,
and keep my commandments.
```

```
om lifting,
war-and-peace.txt:65352:nor is the air in which I lifted it the same that now su
rrounds me. The
war-and-peace.txt:65443:Freedom not limited by anything is the essence of life,
in man's
war-and-peace.txt:65751:United States and you are located in the United States,
we do not
war-and-peace.txt:65763:1.D. The copyright laws of the place where you are locat
ed also govern
war-and-peace.txt:65786:  eBook or online at www.gutenberg.org. If you are not l
ocated in the
war-and-peace.txt:65788:  you are located before using this eBook.
war-and-peace.txt:65805:will be linked to the Project Gutenberg-tm License for a
ll works
war-and-peace.txt:65882:contain "Defects," such as, but not limited to, incomple
te, inaccurate
war-and-peace.txt:65915:1.F.4. Except for the limited right of replacement or re
fund set forth
war-and-peace.txt:65971:The Foundation's business office is located at 809 North
 1500 West,
war-and-peace.txt:65981:increasing the number of public domain and licensed work
s that can be
nop@cis106:~/Documents/Books$ grep -n '\bl[a-zA-Z]*d\b' *.txt
```

```
1: nop@cis106: ~/Documents/Books ⌄                                    ☐   ✕
war-and-peace.txt:65579:from the infinitely large to the infinitely small. The s
ame is done by
war-and-peace.txt:65679:that does not exist, and to recognize a dependence of wh
ich we are not
war-and-peace.txt:65791:derived from texts not protected by U.S. copyright law (
does not
war-and-peace.txt:65845:  within 60 days following each date on which you prepar
e (or are
war-and-peace.txt:65853:  you in writing (or by e-mail) within 30 days of receip
t that s/he
war-and-peace.txt:65854:  does not agree to the terms of the full Project Gutenb
erg-tm
war-and-peace.txt:65862:  electronic work is discovered and reported to you with
in 90 days of
war-and-peace.txt:65883:or corrupt data, transcription errors, a copyright or ot
her
war-and-peace.txt:65884:intellectual property infringement, a defective or damag
ed disk or
war-and-peace.txt:65903:defect in this electronic work within 90 days of receivi
ng it, you can
war-and-peace.txt:65973:to date contact information can be found at the Foundati
on's website
nop@cis106:~/Documents/Books$ grep -n '\bd[aeiou][a-zA-Z]\{2\}\b' *.txt

```

```
op@cis106:~/Documents/Books$ grep -o -w '\b\w*a{2}\w*\b' dracula.txt
op@cis106:~/Documents/Books$ grep -o -w '\b\w*a{2}\w*\b' dracula.txt
op@cis106:~/Documents/Books$
```