Question 1

q1 q1 q1 q1

Question 2

Question 3

```
sabrina@cis106:~$ curl -s https://cis106.com/assets/shopping.md -o shopping.md
sabrina@cis106:~$ curl -s https://cis106.com/assets/tasks.md -o tasks.md
sabrina@cis106:~$ ls
 ab5-imgs            lab4files       Public
 assests             lab-5           shopping.md
 challenge-Lab6      lab5            site.html
 cis106              lab5-audio      snap
'cis 106.desktop'    lab5-docs       tasks.md
 cis106-sp-22        lab5-imgs       Templates
 cis106-sp-22.old    lab5-video      Videos
 Desktop             lab5.zip.1      wallpapers
 Documents           lab6            wget-log
 Downloads           lab6-q5
 exa.zip             Pictures
sabrina@cis106:~$ paste shopping.md tasks.md
## Shopping      ## Tasks
1. Apples:       1. Do Laundry:
2. Meat:         2. Cook lunch:
3. Bread:        3. Clean room:
sabrina@cis106:~$ wc Documents/Books/dracula.txt 15860 164386 881251 Documents/B
ooks/dracula.txt
```

```
abrina@cis106:~$ sort  /etc/passwd
apt:x:105:65534::/nonexistent:/usr/sbin/nologin
vahi-autoipd:x:109:116:Avahi autoip daemon,,,:/var/lib/av
autoipd:/usr/sbin/nologin
vahi:x:115:121:Avahi mDNS daemon,,,:/var/run/avahi-daemon
r/sbin/nologin
ackup:x:34:34:backup:/var/backups:/usr/sbin/nologin
in:x:2:2:bin:/bin:/usr/sbin/nologin
olord:x:121:126:colord colour management daemon,,,:/var/l
olord:/usr/sbin/nologin
ups-pk-helper:x:113:120:user for cups-pk-helper service,,
ome/cups-pk-helper:/usr/sbin/nologin
```

Question 4

```
ars.csv   cereal.csv   contacts.csv   country.csv   film.csv
abrina@cis106:~$ cat Documents/Csv/cereal.csv | tr ":" ','
ame;mfr;type;calories;protein;fat;sodium;fiber;carbo;sugars;
otass;vitamins;shelf;weight;cups;rating
tring;Categorical;Categorical;Int;Int;Int;Int;Float;Float;In
;Int;Int;Int;Float;Float;Float
00% Bran;N;C;70;4;1;130;10;5;6;280;25;3;1;0.33;68.402973
00% Natural Bran;Q;C;120;3;5;15;2;8;8;135;0;3;1;1;33.983679
ll-Bran;K;C;70;4;1;260;9;7;5;320;25;3;1;0.33;59.425505
ll-Bran with Extra Fiber;K;C;50;4;0;140;14;8;0;330;25;3;1;0.
;93.704912
lmond Delight;R;C;110;2;2;200;1;14;8;-1;25;3;1;0.75;34.38484

pple Cinnamon Cheerios;G;C;110;2;2;180;1.5;10.5;10;70;25;1;1
0.75;29.509541
pple Jacks;K;C;110;2;0;125;1;11;14;30;25;2;1;1;33.174094
```

```
sabrina@cis106:~/Documents/Books$ grep -i "love" pride-and-prejudice.
xt
      that he _may_ fall in love with one of them, and therefore you
      persuade you at last. I was sure you loved your girls too well
o
      anything. Lydia, my love, though you _are_ the youngest, I dare
      be fond of dancing was a certain step towards falling in love;
      first, and was in a way to be very much in love; but she
      who have heart enough to be really in love without encouragemen
.

      secure of him, there will be leisure for falling in love as
      love, from love to matrimony, in a moment. I knew you would be
      Well, Jane, make haste and tell us; make haste, my love."
      a gentleman at my brother Gardiner's in town so much in love wi
h her,
      love!"
      "I have been used to consider poetry as the _food_ of love," sa
id
      "Of a fine, stout, healthy love it may. Everything nourishes wh
at
      dearly love a laugh."
      bit of fish to be got to-day. Lydia, my love, ring the bell—I
      His plan did not vary on seeing them. Miss Bennet's lovely face
      likelihood undo the effects of your loveliness and amiable
      to your wish of increasing my love by suspense, according to th
e
      successful love; for Mrs. Bennet, having dawdled about in the
      brother is in love with you, and wants him to marry Miss Darcy
```

sabrina@cis106: ~/D...

```
sabrina@cis106:~/Documents/Books$ grep -Ew "love|hate" pride-and-prejudice.txt
    that he _may_ fall in love with one of them, and therefore you
    anything. Lydia, my love, though you _are_ the youngest, I dare
    be fond of dancing was a certain step towards falling in love;
    "Come, Darcy," said he, "I must have you dance. I hate to see you
    first, and was in a way to be very much in love; but she
    who have heart enough to be really in love without encouragement.
    secure of him, there will be leisure for falling in love as
    love, from love to matrimony, in a moment. I knew you would be
    Well, Jane, make haste and tell us; make haste, my love."
    a gentleman at my brother Gardiner's in town so much in love with her,
    love!"
    "I have been used to consider poetry as the _food_ of love," said
    "Of a fine, stout, healthy love it may. Everything nourishes what
    dearly love a laugh."
    "And _your_ defect is to hate everybody."
    bit of fish to be got to-day. Lydia, my love, ring the bell—I
    I hate such false friends. Why could he not keep on quarreling
    To find a man agreeable whom one is determined to hate! Do not
    to your wish of increasing my love by suspense, according to the
    successful love; for Mrs. Bennet, having dawdled about in the
    brother is in love with you, and wants him to marry Miss Darcy.
    much love in Mr. Darcy for herself, she would have ordered her
    persuade him that, instead of being in love with you, he is very
    much in love with her friend."
    in the lane. But little had she dared to hope that so much love
    love.
    The possibility of Mr. Collins's fancying himself in love with
    love-making relieved them from a great deal of his company. The
    not. There are few people whom I really love, and still fewer of
b7            [Software Updater]          sabrina@cis106: ~/D...
```

```
sabrina@cis106:~/Documents/Books$ grep "love" dracula.txt
know her is to love her. I long to go through the crowded streets of
also that there is a chapel of old times. We Transylvanian nobles love
battlements and casements. I love the shade and the shadow, and would
thought and many blushes, her ill-spelt love-letter, and writing in my
at the lovely view to east and south, and unthinking of and uncaring for
"You yourself never loved; you never love!" On this the other women
"Yes, I too can love; you yourselves can tell it from the past. Is it
to speak more. Oh, Mina, couldn't you guess? I love him. I am blushing
as I write, for although I _think_ he loves me, he has not told me so in
words. But oh, Mina, I love him; I love him; I love him! There, that
I could love him in time; and when I shook my head his hands trembled,
loves you honestly, going away and looking all broken-hearted, and to
what I would do if I were a man and wanted to make a girl love me. No, I
began pouring out a perfect torrent of love-making, laying his very
manly fervour that I could have loved him for if I had been free:--
"'Yes, there is some one I love, though he has not told me yet that he
even loves me.' I was right to speak to him so frankly, for quite a
lover; it's more unselfish anyhow. My dear, I'm going to have a pretty
my dear, and a fine fellow, or you could not love him--hasn't spoken
lover, such a husband, and such a friend.
lovelier than ever, and we drove up to the house at the Crescent in
which they have rooms. This is a lovely place. The little river, the
She is so sweet with old people; I think they all fell in love with her
```

Question 5

```
sabrina@cis106:~/Documents/Csv$ awk -F ":" '{print $1.$NF}' cars.csv
Car;MPG;Cylinders;Displacement;Horsepower;Weight;Acceleration;Model;O
Car;MPG;Cylinders;Displacement;Horsepower;Weight;Acceleration;Model;O
rigin
STRING;DOUBLE;INT;DOUBLE;DOUBLE;DOUBLE;DOUBLE;INT;CAT
Chevrolet Chevelle Malibu;18.0;8;307.0;130.0;3504.;12.0;70;US
Buick Skylark 320;15.0;8;350.0;165.0;3693.;11.5;70;US
Plymouth Satellite;18.0;8;318.0;150.0;3436.;11.0;70;US
AMC Rebel SST;16.0;8;304.0;150.0;3433.;12.0;70;US
Ford Torino;17.0;8;302.0;140.0;3449.;10.5;70;US
Ford Galaxie 500;15.0;8;429.0;198.0;4341.;10.0;70;US
Chevrolet Impala;14.0;8;454.0;220.0;4354.;9.0;70;US
Plymouth Fury iii;14.0;8;440.0;215.0;4312.;8.5;70;US
Pontiac Catalina;14.0;8;455.0;225.0;4425.;10.0;70;US
```

```
sabrina@cis106:~/Documents/Csv$ awk -F ";" '{OFS="is made on "}{print $1,$NF}
' cars.csv
Caris made on Origin
STRINGis made on CAT
Chevrolet Chevelle Malibuis made on US
Buick Skylark 320is made on US
Plymouth Satelliteis made on US
AMC Rebel SSTis made on US
Ford Torinois made on US
Ford Galaxie 500is made on US
Chevrolet Impalais made on US
Plymouth Fury iiiis made on US
Pontiac Catalinais made on US
AMC Ambassador DPLis made on US
Citroen DS-21 Pallasis made on Europe
Chevrolet Chevelle Concours (sw)is made on US
Ford Torino (sw)is made on US
Plymouth Satellite (sw)is made on US
AMC Rebel SST (sw)is made on US
Dodge Challenger SEis made on US
Plymouth 'Cuda 340is made on US
Ford Mustang Boss 302is made on US
Chevrolet Monte Carlois made on US
Buick Estate Wagon (sw)is made on US
Toyota Corolla Mark iiis made on Japan
Plymouth Dusteris made on US
AMC Hornetis made on US
Ford Maverickis made on US
```

```
sabrina@cis106:~/Documents/Csv$ awk -F ";" '{print "The",$1,"has",$3,"cylinders",
on",$NF}' cars.csv
The Car has Cylinders cylinders and is made on Origin
The STRING has INT cylinders and is made on CAT
The Chevrolet Chevelle Malibu has 8 cylinders and is made on US
The Buick Skylark 320 has 8 cylinders and is made on US
The Plymouth Satellite has 8 cylinders and is made on US
The AMC Rebel SST has 8 cylinders and is made on US
The Ford Torino has 8 cylinders and is made on US
The Ford Galaxie 500 has 8 cylinders and is made on US
The Chevrolet Impala has 8 cylinders and is made on US
The Plymouth Fury iii has 8 cylinders and is made on US
The Pontiac Catalina has 8 cylinders and is made on US
The AMC Ambassador DPL has 8 cylinders and is made on US
The Citroen DS-21 Pallas has 4 cylinders and is made on Europe
The Chevrolet Chevelle Concours (sw) has 8 cylinders and is made on US
The Ford Torino (sw) has 8 cylinders and is made on US
The Plymouth Satellite (sw) has 8 cylinders and is made on US
The AMC Rebel SST (sw) has 8 cylinders and is made on US
The Dodge Challenger SE has 8 cylinders and is made on US
The Plymouth 'Cuda 340 has 8 cylinders and is made on US
```

q5 q5

```
Alucard we should go by Galatz, or at any rate through Bucharest, so I
marked for one Count Alucard. Sure eneuch the matter was one ready to
_Ground of inquiry._ --Count Alucard's problem is to get back to his own
close to Alucard's castle as can be got by water.
over the Borgo, and find our way to the Castle of Alucard. Here, Madam
awful work, I laid in Alucard's tomb some of the Wafer, and so banished
clear line of Alucard's castle cut the sky; for we were so deep under
The Castle of Alucard now stood out against the red sky, and every stone
sabrina@cis106:~/Documents/Books$ sed 's/Dracula/Alucard/' dracula.txt
```

Question 6

```
sabrina@cis106:~$ grep -n "/bin/bash" /etc/pa
grep: /etc/pa: No such file or directory
sabrina@cis106:~$ grep -n "/bin/bash" /etc/pa
grep: /etc/pa: No such file or directory
sabrina@cis106:~$ grep -n "/bin/bash" /etc/passwd
1:root:x:0:0:root:/root:/bin/bash
46:sabrina:x:1000:1000:sabrina,,,:/home/sabrina:/bin/bash
sabrina@cis106:~$ grep -n "/bin/bash" /etc/passwd | wc -l
2
sabrina@cis106:~$
```

```
Ford Ranger;28.0;4;120.0;79.00;2625.;18.6;82;US
sabrina@cis106:~/Documents/Csv$ grep -i "ford" cars.csv | wc -l
53
sabrina@cis106:~/Documents/Csv$
```

Challenge Question

```
sabrina@cis106:~/Documents/Csv$ awk -F ";" '{print $1,$4}' cereal.csv
name calories
String Int
100% Bran 70
100% Natural Bran 120
All-Bran 70
All-Bran with Extra Fiber 50
Almond Delight 110
Apple Cinnamon Cheerios 110
Apple Jacks 110
Basic 4 130
Bran Chex 90
Bran Flakes 90
Cap'n'Crunch 120
Cheerios 110
Cinnamon Toast Crunch 120
Clusters 110
Cocoa Puffs 110
Corn Chex 110
Corn Flakes 100
Corn Pops 110
```