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Semester: Spring 24

Assignment: Lab 8

Lab 8 Submission

Question 1

```
aluna1740@ironhide:~$ echo "All files in my home directory" > file_report.txt
aluna1740@ironhide:~$ ls -Am >> file_report.txt
aluna1740@ironhide:~$ cat file_report.txt
All files in my home directory
allmyfiles.txt, Applications, .bash_aliases, .bash_history, .bash_logout,
.bashrc, .cache, car123, .cargo, challenge-Lab6, cis106, .config, Desktop,
.dnrc, Documents, .dotnet, Downloads, error.log, file_report.txt, .gitconfig,
.gnupg, lab4files, Lab-5, lab5-audio, lab5ChallengeQuestion, lab5-docs,
lab5-imgs, lab5-video, lab6, lab6-q5, .lessht, .local, .mozilla, Music,
myfiles2.txt, Pictures, .pki, Practice, practicels, practicels.tar.xz, .profile,
Public, .rustup, snap, .ssh, success.txt, .sudo_as_admin_successful, Templates,
.textFiles, .thunderbird, usernames.txt, users.txt, .var,
.vboxclient-clipboard-tty2-control.pid, .vboxclient-clipboard-tty7-control.pid,
.vboxclient-clipboard-tty7-service.pid,
.vboxclient-draganddrop-tty2-control.pid,
.vboxclient-draganddrop-tty7-control.pid,
.vboxclient-draganddrop-tty7-service.pid,
.vboxclient-hostversion-tty2-control.pid,
.vboxclient-hostversion-tty7-control.pid, .vboxclient-seamless-tty2-control.pid,
.vboxclient-seamless-tty7-control.pid, .vboxclient-seamless-tty7-service.pid,
.vboxclient-vmvga-session-tty2-control.pid,
.vboxclient-vmvga-session-tty7-control.pid,
.vboxclient-vmvga-session-tty7-service.pid, Videos, .vscode, wildcardpractice,
WILDCARDS_FILE GLOBBING CHEAT SHEET.png, .Xauthority, .xsession-errors,
.xsession-errors.old
aluna1740@ironhide:~$
```

```
aluna1740@ironhide:~$ awk -F':' '{print $1}' /etc/passwd
root
daemon
bin
sys
sync
games
man
lp
mail
news
uucp
proxy
www-data
backup
list
irc
gnats
nobody
systemd-network
systemd-resolve
messagebus
systemd-timesync
syslog
_apt
tss
uidd
systemd-oom
tcpdump
avahi-autoipd
usbmux
dnsmasq
```

```
aluna1740@ironhide:~$ awk -F':' '{print $1,$7}' /etc/passwd
root /bin/bash
daemon /usr/sbin/nologin
bin /usr/sbin/nologin
sys /usr/sbin/nologin
sync /bin/sync
games /usr/sbin/nologin
man /usr/sbin/nologin
lp /usr/sbin/nologin
mail /usr/sbin/nologin
news /usr/sbin/nologin
uucp /usr/sbin/nologin
proxy /usr/sbin/nologin
www-data /usr/sbin/nologin
backup /usr/sbin/nologin
list /usr/sbin/nologin
irc /usr/sbin/nologin
gnats /usr/sbin/nologin
nobody /usr/sbin/nologin
systemd-network /usr/sbin/nologin
systemd-resolve /usr/sbin/nologin
messagebus /usr/sbin/nologin
systemd-timesync /usr/sbin/nologin
syslog /usr/sbin/nologin
_apt /usr/sbin/nologin
tss /bin/false
uidd /usr/sbin/nologin
systemd-oom /usr/sbin/nologin
tcpdump /usr/sbin/nologin
avahi-autoipd /usr/sbin/nologin
usbmux /usr/sbin/nologin
dnsmasq /usr/sbin/nologin
kernoops /usr/sbin/nologin
avahi /usr/sbin/nologin
cups-pk-helper /usr/sbin/nologin
rtkit /usr/sbin/nologin
whoopsie /bin/false
```

Question 2

```
aluna1740@ironhide:~$ echo "Total number of directories in my home directory" >> file_report.txt
aluna1740@ironhide:~$ ls -lA | grep "^d" | wc -l
38
aluna1740@ironhide:~$

aluna1740@ironhide:~$ awk -F':' '{print $1,$6,$7}' /etc/passwd
root /root /bin/bash
daemon /usr/sbin /usr/sbin/nologin
bin /bin /usr/sbin/nologin
sys /dev /usr/sbin/nologin
sync /bin /bin/sync
games /usr/games /usr/sbin/nologin
man /var/cache/man /usr/sbin/nologin
lp /var/spool/lpd /usr/sbin/nologin
mail /var/mail /usr/sbin/nologin
news /var/spool/news /usr/sbin/nologin
uucp /var/spool/uucp /usr/sbin/nologin
proxy /bin /usr/sbin/nologin
www-data /var/www /usr/sbin/nologin
backup /var/backups /usr/sbin/nologin
list /var/list /usr/sbin/nologin
irc /run/ircd /usr/sbin/nologin
gnats /var/lib/gnats /usr/sbin/nologin
nobody /nonexistent /usr/sbin/nologin
systemd-network /run/systemd /usr/sbin/nologin
systemd-resolve /run/systemd /usr/sbin/nologin
messagebus /nonexistent /usr/sbin/nologin
systemd-timesync /run/systemd /usr/sbin/nologin
syslog /home/syslog /usr/sbin/nologin
_apt /nonexistent /usr/sbin/nologin
tss /var/lib/tpm /bin/false
uidd /run/uidd /usr/sbin/nologin
systemd-oom /run/systemd /usr/sbin/nologin
tcpdump /nonexistent /usr/sbin/nologin
avahi-autoipd /var/lib/avahi-autoipd /usr/sbin/nologin
usbmux /var/lib/usbmux /usr/sbin/nologin
dnsmasq /var/lib/misc /usr/sbin/nologin
kernoops / /usr/sbin/nologin
avahi /run/avahi-daemon /usr/sbin/nologin
cups-pk-helper /home/cups-pk-helper /usr/sbin/nologin
rtkit /proc /usr/sbin/nologin
```

```

aluna1740@ironhide:~$ echo "Total number of directories in my home directory" >> file_report.txt
aluna1740@ironhide:~$ ls -lA | grep "^d" | wc -l
38
aluna1740@ironhide:~$ tail -10 file_report.txt
.vboxclient-hostversion-tty7-control.pid, .vboxclient-seamless-tty2-control.pid,
.vboxclient-seamless-tty7-control.pid, .vboxclient-seamless-tty7-service.pid,
.vboxclient-vmsvga-session-tty2-control.pid,
.vboxclient-vmsvga-session-tty7-control.pid,
.vboxclient-vmsvga-session-tty7-service.pid, Videos, .vscode, wildcardpractice,
WILDCARDS_FILE GLOBBING CHEAT SHEET.png, .Xauthority, .xsession-errors,
.xsession-errors.old
Total number of files in my home directory
36
Total number of directories in my home directory
aluna1740@ironhide:~$ ls -lA | grep "^d" | wc -l >> file_report.txt
aluna1740@ironhide:~$ tail -10 file_report.txt
.vboxclient-seamless-tty7-control.pid, .vboxclient-seamless-tty7-service.pid,
.vboxclient-vmsvga-session-tty2-control.pid,
.vboxclient-vmsvga-session-tty7-control.pid,
.vboxclient-vmsvga-session-tty7-service.pid, Videos, .vscode, wildcardpractice,
WILDCARDS_FILE GLOBBING CHEAT SHEET.png, .Xauthority, .xsession-errors,
.xsession-errors.old
Total number of files in my home directory
36
Total number of directories in my home directory
38
aluna1740@ironhide:~$

```

```

1653 echo "All files in my home directory" > file_report.txt
1654 ls -lA >> file_report.txt
1655 cat file_report.txt
1656 clear
1657 echo "Total number of files in my home directory" >> file_report.txt
1658 ls -lA
1659 clear
1660 ls -lA | grep "-*"
1661 ls -lA | grep "-*"
1662 ls -lA | grep "^-"
1663 clear
1664 ls -lA | grep "^-" | wc -l
1665* ls -lA | grep "^d" | wc -l >> file_report.txt
1666 ls -lA | grep "^d" | wc -l
1667 ls -lA | grep "d" | wc -l
1668 ls -lA | grep "d*" | wc -l
1669 ls -lA | grep "^d" | wc -l
1670 ls -lA | grep "^d"
1671 echo "Total number of directories in my home directory" >> file_report.txt
1672 ls -lA | grep "^d" | wc -l
1673 tail -10 file_report.txt
1674 ls -lA | grep "^d" | wc -l >> file_report.txt
1675 tail -10 file_report.txt
1676 history

```

Question 3

```
aluna1740@ironhide:~$ cat /etc/passwd | cut -d ":" -f1
root
daemon
bin
sys
sync
games
man
lp
mail
news
uucp
proxy
www-data
backup
list
irc
gnats
nobody
systemd-network
systemd-resolve
messagebus
systemd-timesync
syslog
_apt
tss
uidd
systemd-oom
tcpdump
avahi-autoipd
usbmux
dnsmasq
kernoops
avahi
cups-pk-helper
rtkit
whoopsie
```

```
aluna1740@ironhide:~$ cat /etc/passwd | cut -d ":" -f1,7
root:/bin/bash
daemon:/usr/sbin/nologin
bin:/usr/sbin/nologin
sys:/usr/sbin/nologin
sync:/bin/sync
games:/usr/sbin/nologin
man:/usr/sbin/nologin
lp:/usr/sbin/nologin
mail:/usr/sbin/nologin
news:/usr/sbin/nologin
uucp:/usr/sbin/nologin
proxy:/usr/sbin/nologin
www-data:/usr/sbin/nologin
backup:/usr/sbin/nologin
list:/usr/sbin/nologin
irc:/usr/sbin/nologin
gnats:/usr/sbin/nologin
nobody:/usr/sbin/nologin
systemd-network:/usr/sbin/nologin
systemd-resolve:/usr/sbin/nologin
```



```
systemd-resolve:/usr/sbin/nologin
messagebus:/usr/sbin/nologin
systemd-timesync:/usr/sbin/nologin
syslog:/usr/sbin/nologin
_apt:/usr/sbin/nologin
tss:/bin/false
uidd:/usr/sbin/nologin
systemd-oom:/usr/sbin/nologin
tcpdump:/usr/sbin/nologin
```

```
aluna1740@ironhide:~$ cat /etc/passwd | cut -d ":" -f1,6,7
```

```
root:/root:/bin/bash
daemon:/usr/sbin:/usr/sbin/nologin
bin:/bin:/usr/sbin/nologin
sys:/dev:/usr/sbin/nologin
sync:/bin:/bin/sync
games:/usr/games:/usr/sbin/nologin
man:/var/cache/man:/usr/sbin/nologin
lp:/var/spool/lpd:/usr/sbin/nologin
mail:/var/mail:/usr/sbin/nologin
news:/var/spool/news:/usr/sbin/nologin
uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:/bin:/usr/sbin/nologin
www-data:/var/www:/usr/sbin/nologin
backup:/var/backups:/usr/sbin/nologin
list:/var/list:/usr/sbin/nologin
irc:/run/ircd:/usr/sbin/nologin
gnats:/var/lib/gnats:/usr/sbin/nologin
nobody:/nonexistent:/usr/sbin/nologin
systemd-network:/run/systemd:/usr/sbin/nologin
systemd-resolve:/run/systemd:/usr/sbin/nologin
messagebus:/nonexistent:/usr/sbin/nologin
systemd-timesync:/run/systemd:/usr/sbin/nologin
syslog:/home/syslog:/usr/sbin/nologin
_apt:/nonexistent:/usr/sbin/nologin
tss:/var/lib/tpm:/bin/false
uidd:/run/uidd:/usr/sbin/nologin
systemd-oom:/run/systemd:/usr/sbin/nologin
tcpdump:/nonexistent:/usr/sbin/nologin
avahi-autoipd:/var/lib/avahi-autoipd:/usr/sbin/nologin
usbmux:/var/lib/usbmux:/usr/sbin/nologin
dnsmasq:/var/lib/misc:/usr/sbin/nologin
kernoops:/usr/sbin/nologin
avahi:/run/avahi-daemon:/usr/sbin/nologin
cups-pk-helper:/home/cups-pk-helper:/usr/sbin/nologin
rtkit:/proc:/usr/sbin/nologin
whoopsie:/nonexistent:/bin/false
```

```
the user:aluna1740logins with: /home/aluna1740and is home dir is: /bin/bash
the user:vboxaddlogins with: /var/run/vboxaddand is home dir is: /bin/false
the user:_flatpaklogins with: /nonexistentand is home dir is: /usr/sbin/nologin
the user:lightdmlogins with: /var/lib/lightdm and is home dir is: /bin/false
the user:sshdlogins with: /run/sshd and is home dir is: /usr/sbin/nologin
aluna1740@ironhide:~$ awk -F':' '{print "The user: " $1 "logins with: " $6 "and is home dir is: " $7}' /etc/passwd
the user: rootlogins with: /rootand is home dir is: /bin/bash
the user: daemonlogins with: /usr/sbinand is home dir is: /usr/sbin/nologin
the user: binlogins with: /binand is home dir is: /usr/sbin/nologin
the user: syslogins with: /devand is home dir is: /usr/sbin/nologin
the user: synclogins with: /binand is home dir is: /bin/sync
the user: gameslogins with: /usr/gamesand is home dir is: /usr/sbin/nologin
the user: manlogins with: /var/cache/manand is home dir is: /usr/sbin/nologin
the user: lplogins with: /var/spool/lpdand is home dir is: /usr/sbin/nologin
the user: maillogins with: /var/mailand is home dir is: /usr/sbin/nologin
the user: newslogins with: /var/spool/newsand is home dir is: /usr/sbin/nologin
```

```

aluna1740@ironhide:~$ awk -F':' '{print "The user: " $1 "logins with: " $6 "and is home dir is: " $7}' /etc/passwd > report_users.txt
aluna1740@ironhide:~$ awk -F':' '{print "The user: " $1 "logins with: " $6 "and is home dir is: " $7}' /etc/passwd | grep -w "/bin/bash"
The user: rootlogins with: /rootand is home dir is: /bin/bash
The user: aluna1740logins with: /home/aluna1740and is home dir is: /bin/bash
aluna1740@ironhide:~$ awk -F':' '{print "The user: " $1 "logins with: " $6 "and is home dir is: " $7}' /etc/passwd | grep -w "/bin/bash"
The user: rootlogins with: /rootand is home dir is: /bin/bash
The user: aluna1740logins with: /home/aluna1740and is home dir is: /bin/bash
aluna1740@ironhide:~$ awk -F':' '{print "The user: " $1 "logins with: " $6 "and is home dir is: " $7}' /etc/passwd | grep -w "/bin/bash"
The user: aluna1740logins with: /home/aluna1740 and is home dir is: /bin/bash
aluna1740@ironhide:~$ awk -F':' '{print "The user: " $1 "logins with: " $6 "and is home dir is: " $7}' /etc/passwd | grep -w "/bin/bash" >> report_users.txt
aluna1740@ironhide:~$ $ grep -w "/bin/bash" /etc/passwd
root:x:0:0:root:/root:/bin/bash
aluna1740:x:1000:1000:aluna1740,,,:/home/aluna1740:/bin/bash
aluna1740@ironhide:~$ grep -w "/bin/bash" /etc/passwd | awk -F ':' '{print $1 " = " $7}'
awk: line 2: missing } near end of file
aluna1740@ironhide:~$ grep -w "/bin/bash" /etc/passwd | awk -F ':' '{print $1 " = " $7}'
root = /bin/bash
aluna1740 = /bin/bash
aluna1740@ironhide:~$

```

```

1653 cat /etc/passwd
1654 cat /etc/passwd | cut ":" -f1
1655 cat /etc/passwd | cut ":" -f1
1656* cat /etc/passwd | cut
1657 clear
1658 cut --help
1659 cat /etc/passwd | cut -d ":" -f1
1660 cls
1661 clear
1662 cat /etc/passwd | cut -d ":" -f1
1663 clear
1664 cat /etc/passwd
1665 cat /etc/passwd | cut -d ":" -f1,f7
1666 cat /etc/passwd | cut -d ":" -f1,f7
1667 clear
1668 cat /etc/passwd
1669 clear
1670 cat /etc/passwd | cut -d ":" -f1,6,7
1671 clear
1672 awk
1673 awk -F':' '{print $1}' /etc/passwd
1674 awk -F':' '{print $1}' /etc/passwd
1675 clear
1676 awk -F':' '{print $1,$7}' /etc/passwd
1677 clear
1678 awk -F':' '{print $1,$6,$7}' /etc/passwd
1679 clear
1680 awk -F':' '{print "The user:" $1 "logins with:" $6 "and is home dir is:" $7}' /etc/passwd
1681 awk -F':' '{print "The user: " $1 "logins with: " $6 "and is home dir is: " $7}' /etc/passwd
1682 awk -F':' '{print "The user: " $1 "logins with: " $6 "and is home dir is: " $7}' /etc/passwd
1683 clear
1684 awk -F':' '{print "The user: " $1 "logins with: " $6 "and is home dir is: " $7}' /etc/passwd > report_users.txt
1685 awk -F':' '{print "The user: " $1 "logins with: " $6 "and is home dir is: " $7}' /etc/passwd | grep -w "/bin/bash"
1686 awk -F':' '{print "The user: " $1 "logins with: " $6 "and is home dir is: " $7}' /etc/passwd | grep -w "/bin/bash"
1687 awk -F':' '{print "The user: " $1 "logins with: " $6 "and is home dir is: " $7}' /etc/passwd | grep -w "/bin/bash"
1688 awk -F':' '{print "The user: " $1 "logins with: " $6 "and is home dir is: " $7}' /etc/passwd | grep -w "/bin/bash" >> report_users.txt
1689 grep -w "/bin/bash" /etc/passwd
1690 grep -w "/bin/bash" /etc/passwd | awk -F ':' '{print $1 " = " $7}'
1691 grep -w "/bin/bash" /etc/passwd | awk -F ':' '{print $1 " = " $7}'
1692 history

```

Question 4

<pre> 1: aluna1740@ironhide: ~/Documents/Csv aluna1740@ironhide:~/Documents/Csv\$ head -1 cars.csv Car;MPG;Cylinders;Displacement;Horsepower;Weight;Acceleration;Model;Origin aluna1740@ironhide:~/Documents/Csv\$ head -1 cars.csv > honda1.csv aluna1740@ironhide:~/Documents/Csv\$ </pre>	<pre> 2: aluna1740@ironhide: ~/Documents/Csv aluna1740@ironhide:~/Documents/Csv\$ cat honda1.csv Car;MPG;Cylinders;Displacement;Horsepower;Weight;Acceleration;Model;Origin aluna1740@ironhide:~/Documents/Csv\$ </pre>
<pre> 1: aluna1740@ironhide: ~/Documents/Csv aluna1740@ironhide:~/Documents/Csv\$ cat cars.csv grep -w "Honda" Honda Civic;24.0;4;120.0;97.00;2489.0;15.0;74;Japan Honda Civic CVCC;33.0;4;91.00;53.00;1795.0;17.5;75;Japan Honda Civic;33.0;4;91.00;53.00;1795.0;17.4;76;Japan Honda Accord CVCC;31.5;4;98.00;68.00;2045.0;18.5;77;Japan Honda Civic CVCC;36.1;4;91.00;60.00;1800.0;16.4;78;Japan Honda Accord LX;29.5;4;98.00;68.00;2135.0;16.6;78;Japan Honda Civic 1500 gl;44.6;4;91.00;67.00;1850.0;13.8;80;Japan Honda Accord;32.4;4;107.0;72.00;2290.0;17.0;80;Japan Honda Civic 1300;35.1;4;81.00;60.00;1760.0;16.1;81;Japan Honda Prelude;33.7;4;107.0;75.00;2210.0;14.4;81;Japan Honda Accord;36.0;4;107.0;75.00;2205.0;14.5;82;Japan aluna1740@ironhide:~/Documents/Csv\$ cat cars.csv grep -w "Honda" >> honda1.csv aluna1740@ironhide:~/Documents/Csv\$ </pre>	<pre> 2: aluna1740@ironhide: ~/Documents/Csv aluna1740@ironhide:~/Documents/Csv\$ cat honda1.csv Car;MPG;Cylinders;Displacement;Horsepower;Weight;Acceleration;Model;Origin aluna1740@ironhide:~/Documents/Csv\$ cat honda1.csv Car;MPG;Cylinders;Displacement;Horsepower;Weight;Acceleration;Model;Origin Honda Civic;24.0;4;120.0;97.00;2489.0;15.0;74;Japan Honda Civic CVCC;33.0;4;91.00;53.00;1795.0;17.5;75;Japan Honda Civic;33.0;4;91.00;53.00;1795.0;17.4;76;Japan Honda Accord CVCC;31.5;4;98.00;68.00;2045.0;18.5;77;Japan Honda Civic CVCC;36.1;4;91.00;60.00;1800.0;16.4;78;Japan Honda Accord LX;29.5;4;98.00;68.00;2135.0;16.6;78;Japan Honda Civic 1500 gl;44.6;4;91.00;67.00;1850.0;13.8;80;Japan Honda Accord;32.4;4;107.0;72.00;2290.0;17.0;80;Japan Honda Civic 1300;35.1;4;81.00;60.00;1760.0;16.1;81;Japan Honda Prelude;33.7;4;107.0;75.00;2210.0;14.4;81;Japan Honda Accord;36.0;4;107.0;75.00;2205.0;14.5;82;Japan Honda Civic (auto);32.0;4;91.00;67.00;1965.0;15.7;82;Japan aluna1740@ironhide:~/Documents/Csv\$ </pre>


```

File: Honda3.csv
1 Model,Cylinders,HP
2 Honda Civic,4,97.00
3 Honda Civic CVCC,4,53.00
4 Honda Civic,4,53.00
5 Honda Accord CVCC,4,68.00
6 Honda Civic CVCC,4,60.00
7 Honda Accord LX,4,68.00
8 Honda Civic 1500 gl,4,67.00
9 Honda Accord,4,72.00
10 Honda Civic 1300,4,60.00
11 Honda Prelude,4,75.00
12 Honda Accord,4,75.00
13 Honda Civic,4,67.00
14 Honda Civic (auto),4,67.00
15 Honda Civic,4,97.00
16 Honda Civic CVCC,4,53.00
17 Honda Civic,4,53.00
18 Honda Accord CVCC,4,68.00
19 Honda Civic CVCC,4,60.00
20 Honda Accord LX,4,68.00
21 Honda Civic 1500 gl,4,67.00
22 Honda Accord,4,72.00
23 Honda Civic 1300,4,60.00
24 Honda Prelude,4,75.00
25 Honda Accord,4,75.00
26 Honda Civic,4,67.00
27 Honda Civic (auto),4,67.00
28 Honda Civic,4,97.00
29 Honda Civic CVCC,4,53.00
30 Honda Civic,4,53.00
31 Honda Accord CVCC,4,68.00
32 Honda Civic CVCC,4,60.00
33 Honda Accord LX,4,68.00
34 Honda Civic 1500 gl,4,67.00
35 Honda Accord,4,72.00
36 Honda Civic 1300,4,60.00
37 Honda Prelude,4,75.00
38 Honda Accord,4,75.00

1646 git commit -m "practice 1-4"
1647 git push
1648 git pull
1649 git add .
1650 git commit -m "practice1-4b"
1651 git push
1652 git pull
1653 history
1654 cd Documents/Csv/
1655 ls
1656 clear
1657 cat honda1.csv
1658 cat honda1.csv | sed 's/";"/,"'
1659 cat honda1.csv | sed 's/;/,/,'
1660 cat honda1.csv | sed 's/[[:punctuatio:]]";"/[[:punctuation:]]","'
1661 cat honda1.csv | sed 's/;/,/g'
1662 cat honda1.csv | sed 's/;/,/g'
1663 cat honda1.csv | sed 's/;/,/g'
1664* sed 's/;/,/g' honda1.csv
1665 cat honda1.csv | sed 's/;/,/g'
1666 cat honda1.csv | sed 's/;/,/g' > honda2.csv
1667 cat honda2.csv
1668 cat honda2.csv | awk '{print $1, $3, $5}'
1669 cat honda2.csv | awk -F"," '{print $1, $3, $5}'
1670 cat honda2.csv | awk -F"," '{print $1, $3, $5}'
1671 cat honda2.csv | awk -F"," '{print $1, $3, $5}'
1672 Echo "Model,Cylinders,HP" > Honda3.csv
1673 echo "Model,Cylinders,HP" > Honda3.csv
1674 cat honda2.csv | awk -F"," '{print $1, $3, $5}'
1675 cat honda2.csv | awk -F"," '{print $1, $3, $5}' | sed 1d >> Honda3.csv
1676 cat Honda3.csv
1677 cat honda2.csv | awk -F"," '{print $1, $3, $5}' | sed 's/Honda/Honda_/g' | sed 1d >> Honda3.csv
1678 cat honda2.csv | awk -F"," '{print $1, $3, $5}' | sed 's/Honda/Honda_/g' | sed 1d >> Honda3.csv
1679 cat Honda3.csv
1680 cat honda2.csv | awk -F"," '{print $1, $3, $5}' | sed 's/"Honda"/Honda_/g' | sed 1d >> Honda3.csv
1681 cat Honda3.csv
1682 cat honda2.csv | awk -F"," '{print $1, $3, $5}' | sed 's/Honda/Honda_/g' | sed 1d >> Honda3.csv
1683 cat Honda3.csv
1684 history
1685 clear
1686 history
aluna1740@ironhide:~/Documents/Csv$

```

```

1702 cd Documents/Csv/
1703 ls
1704 ls cars
1705 cat cars
1706 ls
1707 cat cars.csv
1708 clear
1709 head -1 cars.csv
1710 head -1 cars.csv > honda1.csv
1711 head -1 cars.csv > honda2.csv
1712 cat cars.csv
1713 clear
1714 cat cars.csv | grep -w "Honda"
1715 cat cars.csv | grep -w "Honda" >> honda1.csv
1716 sed
1717 man sed | "replace"
1718 man sed |grep "replace"
1719 man sed |grep "/g"
1720 man sed
1721 man sed | grep "g"
1722 man sed
1723 man cat
1724 cat -n2 honda2.csv
1725 cat -2 honda2.csv
1726 cat 2 honda2.csv
1727 man sed
1728 sed 1d honda2.csv
1729 clear
1730 apt install batcat
1731 sudo apt install batcat
1732 batcat
1733 sudo install bat
1734 sudo apt install bat
1735 batcat
1736 man batcat
1737 batcat Honda3.csv
1738 history

```

Question 5

```
aluna1740@ironhide:~$ gotocis
aluna1740@ironhide:~/cis106$ lsx
-
- challengeQuestion
3.8k | johndoe.jpeg
1.8k | resume.md
69k | resume.pdf
- |
- | cheatSheets
693k | Linux Workshop _ Ubuntu Software installation cheat sheet.png
375k | Managing Software Cheat Sheet.png
234k | WILDCARDS_FILE GLOBBING CHEAT SHEET.png
- |
- | finalProject
- | | deliverables1
4.1k | | deliverable1.md
36k | | deliverable1.pdf
- |
- | labs
- | | lab1
3.8k | | johndoe.jpeg
1.3k | | ubuntu.md
60k | | ubuntu.pdf
196k | | ubuntu__.pdf
237k | | resume.png
120k | | UbuntuDesktop.png
5.5k | | UbuntuLogo.svg
1.5k | | johndoeinfo.txt
2.1k | | ubuntu.txt
- | | lab2
97 | | lab2.md
118k | | lab2.pdf
81k | | neofetch.png
33k | | script.png
- | | lab3
379 | | lab3.md
2.5M | | lab3.pdf
481k | | q1.1.png
1.3M | | q1.2.png
105k | | q2.png
```

Challenge Question

```
aluna1740@ironhide:~/cis106/labs/lab8/broken$ ls
contact.html  favicon.ico  index.html  profile.png  projects.html  resume.html  scripts.js  styles.css
aluna1740@ironhide:~/cis106/labs/lab8/broken$ mkdir assets
aluna1740@ironhide:~/cis106/labs/lab8/broken$ mv favicon.ico assets/
aluna1740@ironhide:~/cis106/labs/lab8/broken$ mkdir css
aluna1740@ironhide:~/cis106/labs/lab8/broken$ mv styles.css css/
aluna1740@ironhide:~/cis106/labs/lab8/broken$ mv profile.png assets/
aluna1740@ironhide:~/cis106/labs/lab8/broken$ mkdir js
aluna1740@ironhide:~/cis106/labs/lab8/broken$ mv scripts.js
mv: missing destination file operand after 'scripts.js'
Try 'mv --help' for more information.
aluna1740@ironhide:~/cis106/labs/lab8/broken$ mv scripts.js js/
aluna1740@ironhide:~/cis106/labs/lab8/broken$
```

