

# Lab 8 Submission

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## Question 1

```
1/1 + ...6: ~/lab8
1: anthony@cis106: ~/lab8
anthony@cis106:~/lab8$ echo "All files in my home
directory" > file_report.txt
anthony@cis106:~/lab8$ ls -An ~ >> file_report.txt
anthony@cis106:~/lab8$ cat file_report.txt
All files in my home directory
total 204
-rw-rw-r-- 1 1000 1000 0 Oct 19 20:28 ]
-rw-rw-r-- 1 1000 1000 81 Nov 20 17:57 .bash_a
liases
-rw----- 1 1000 1000 25268 Nov 23 09:36 .bash_h
istory
-rw-r--r-- 1 1000 1000 220 Mar 31 2024 .bash_l
ogout
-rw-r--r-- 1 1000 1000 3771 Mar 31 2024 .bashrc
drwxrwxr-x 4 1000 1000 4096 Oct 30 18:10 bepract
ice
drwx----- 20 1000 1000 4096 Nov 16 20:46 .cache
drwxrwxr-x 5 1000 1000 4096 Nov 11 01:12 challen
ge-Lab6
drwxrwxr-x 7 1000 1000 4096 Nov 16 20:24 cis106
drwx----- 19 1000 1000 4096 Nov 16 20:46 .config
drwxr-xr-x 2 1000 1000 4096 Sep 18 11:51 Desktop
drwxr-xr-x 6 1000 1000 4096 Nov 11 01:01 Documen
ts
drwxrwxr-x 3 1000 1000 4096 Sep 18 13:30 .dotnet
drwxr-xr-x 3 1000 1000 4096 Nov 11 00:25 Downloa
ds
drwxrwxr-x 2 1000 1000 4096 Oct 8 14:15 .fonts
-rw-rw-r-- 1 1000 1000 71 Sep 18 12:53 .gitcon
fig
drwxrwxr-x 5 1000 1000 4096 Nov 11 00:36 github
```

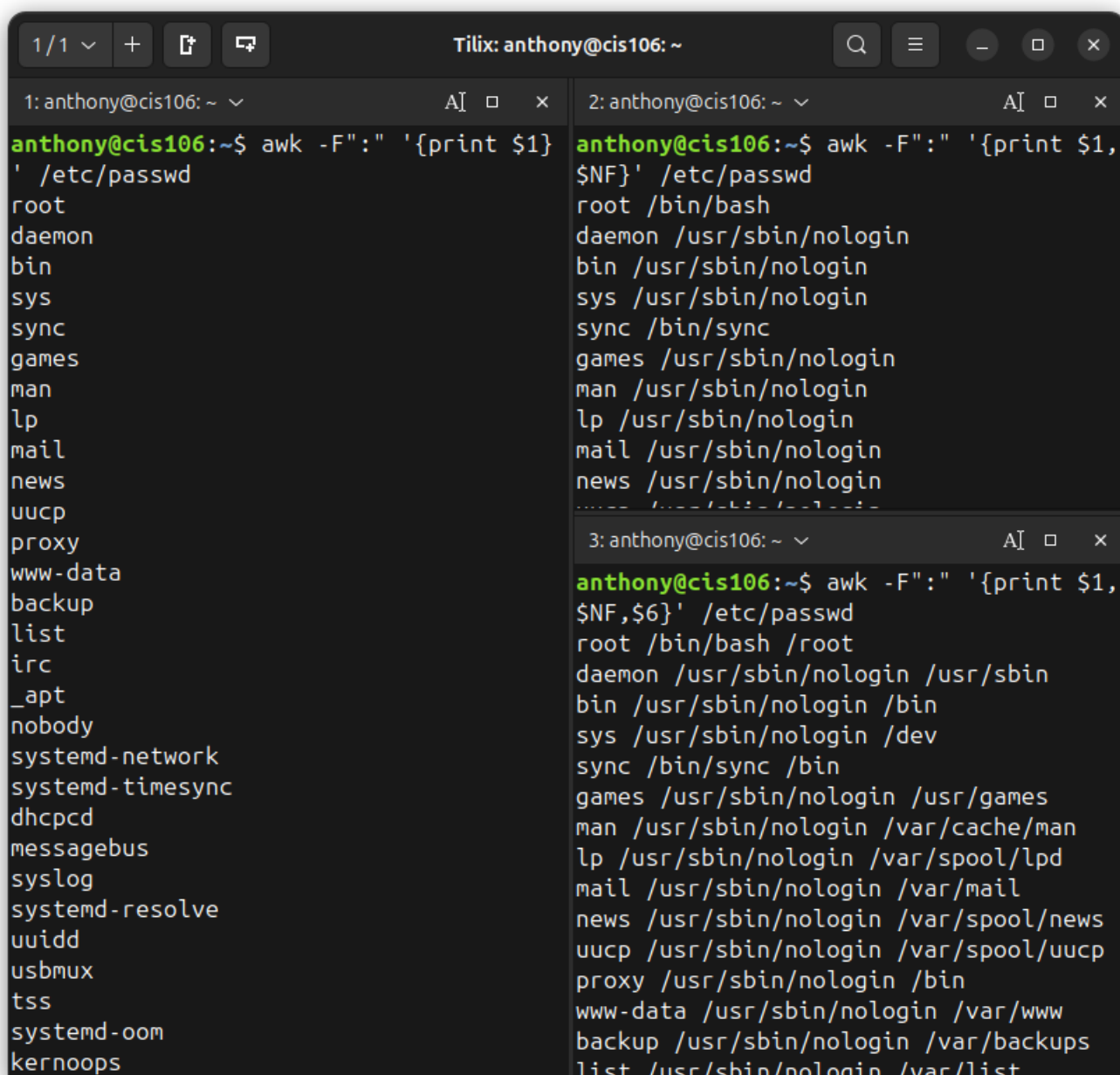
## Question 2

```
1/1  +  [?]  ...6: ~/lab8  [Q]  [≡]  [−]  [□]  [X]

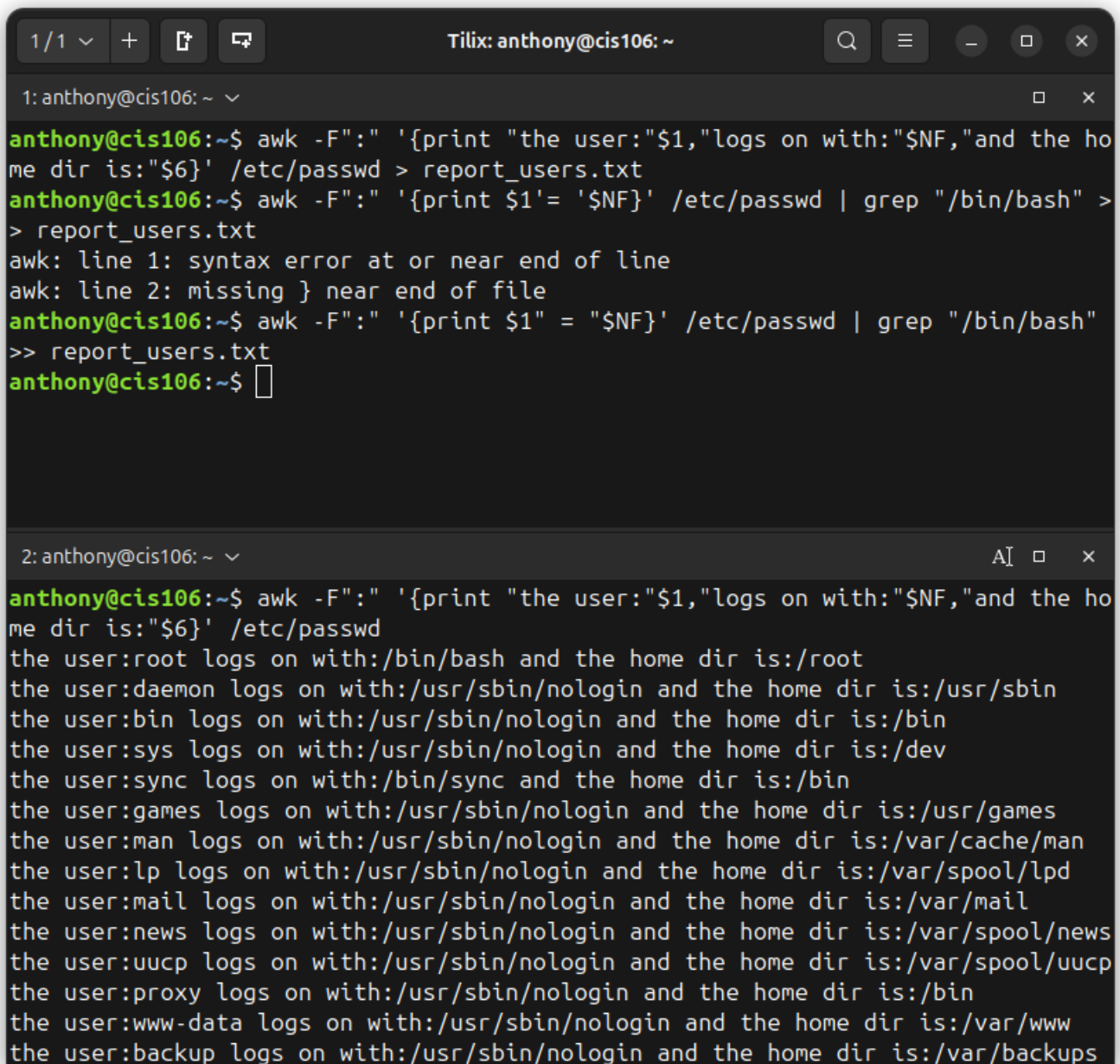
1: anthony@cis106: ~/lab8  [□]  [X]

anthony@cis106:~/lab8$ echo "Total number of files
in my home directory" >> file_report.txt
anthony@cis106:~/lab8$ ls -lA ~ |grep "^-" |wc -l
>> file_report.txt
anthony@cis106:~/lab8$ echo "Total number of Direc
tories in my home directory" >> file_report.txt
anthony@cis106:~/lab8$ ls -lA ~ |grep "^d" |wc -l
>> file_report.txt
anthony@cis106:~/lab8$ tail file_report.txt
drwxr-xr-x  3 1000 1000  4096 Nov 10 12:43 Videos
-rw-----  1 1000 1000 11751 Nov 20 18:52 .viminf
o
drwxrwxr-x  4 1000 1000  4096 Sep 18 13:29 .vscode
drwxrwxr-x  2 1000 1000  4096 Oct 31 21:12 website
-lab5
-rw-rw-r--  1 1000 1000   227 Nov 11 00:53 .wget-h
sts
drwxrwxr-x  3 1000 1000  4096 Nov  6 08:35 wildcar
dpractice
Total number of files in my home directory
12
Total number of Directories in my home directory
31
anthony@cis106:~/lab8$ [ ]
```

### Question 3



```
Tilix: anthony@cis106: ~  
1: anthony@cis106: ~  
anthony@cis106:~$ awk -F":" '{print $1}' /etc/passwd  
root  
daemon  
bin  
sys  
sync  
games  
man  
lp  
mail  
news  
uucp  
proxy  
www-data  
backup  
list  
irc  
_apt  
nobody  
systemd-network  
systemd-timesync  
dhcpcd  
messagebus  
syslog  
systemd-resolve  
uidd  
usbmux  
tss  
systemd-oom  
kernoops  
2: anthony@cis106: ~  
anthony@cis106:~$ awk -F":" '{print $1,$NF}' /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  
3: anthony@cis106: ~  
anthony@cis106:~$ awk -F":" '{print $1,$NF,$6}' /etc/passwd  
root /bin/bash /root  
daemon /usr/sbin/nologin /usr/sbin  
bin /usr/sbin/nologin /bin  
sys /usr/sbin/nologin /dev  
sync /bin/sync /bin  
games /usr/sbin/nologin /usr/games  
man /usr/sbin/nologin /var/cache/man  
lp /usr/sbin/nologin /var/spool/lpd  
mail /usr/sbin/nologin /var/mail  
news /usr/sbin/nologin /var/spool/news  
uucp /usr/sbin/nologin /var/spool/uucp  
proxy /usr/sbin/nologin /bin  
www-data /usr/sbin/nologin /var/www  
backup /usr/sbin/nologin /var/backups  
list /usr/sbin/nologin /var/list
```

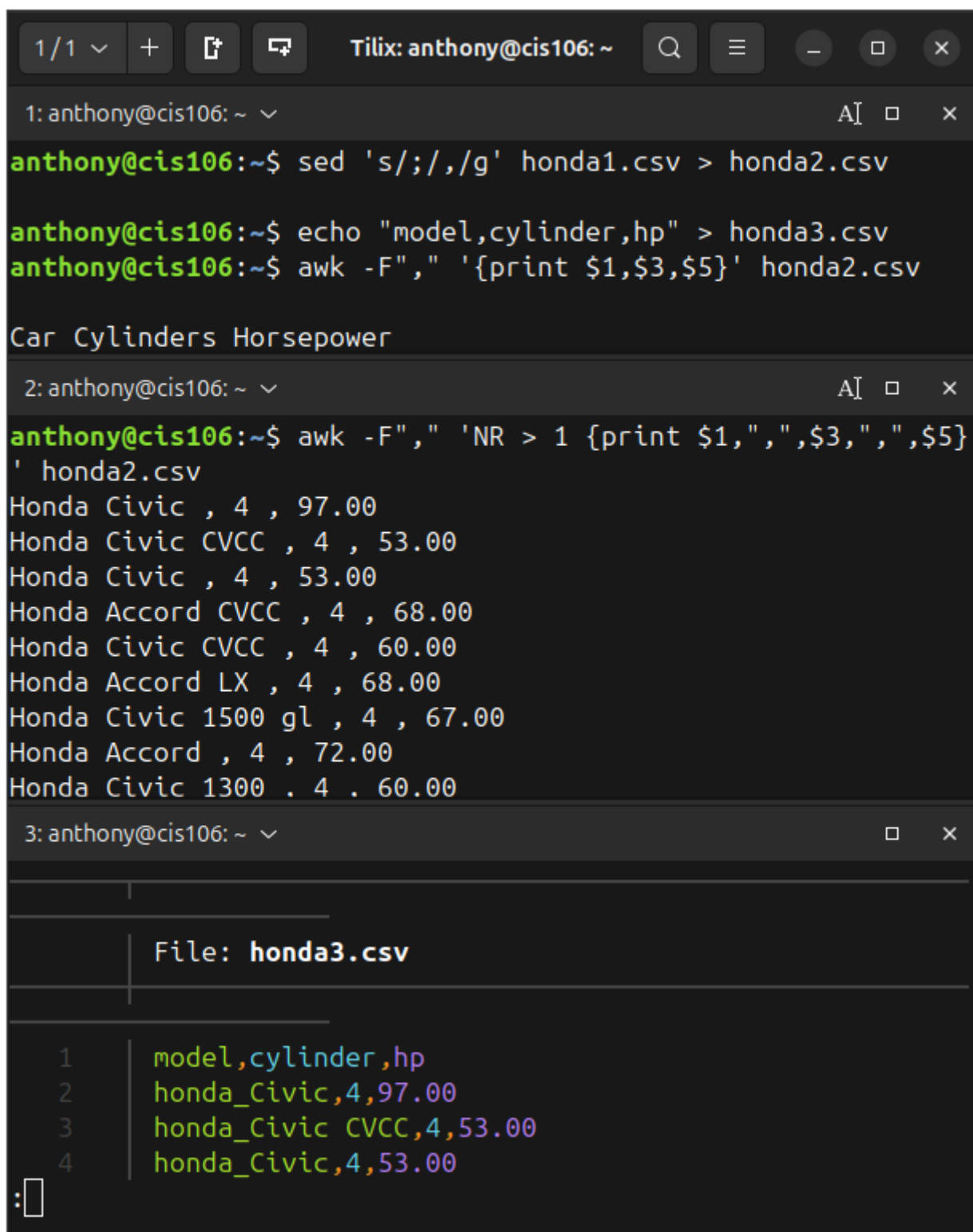


```
Tilix: anthony@cis106: ~  
1: anthony@cis106: ~  
anthony@cis106:~$ awk -F":" '{print "the user:"$1,"logs on with:"$NF,"and the home dir is:"$6}' /etc/passwd > report_users.txt  
anthony@cis106:~$ awk -F":" '{print $1'= '$NF}' /etc/passwd | grep "/bin/bash" >  
> report_users.txt  
awk: line 1: syntax error at or near end of line  
awk: line 2: missing } near end of file  
anthony@cis106:~$ awk -F":" '{print $1" = "$NF}' /etc/passwd | grep "/bin/bash"  
>> report_users.txt  
anthony@cis106:~$  
  
2: anthony@cis106: ~  
anthony@cis106:~$ awk -F":" '{print "the user:"$1,"logs on with:"$NF,"and the home dir is:"$6}' /etc/passwd  
the user:root logs on with:/bin/bash and the home dir is:/root  
the user:daemon logs on with:/usr/sbin/nologin and the home dir is:/usr/sbin  
the user:bin logs on with:/usr/sbin/nologin and the home dir is:/bin  
the user:sys logs on with:/usr/sbin/nologin and the home dir is:/dev  
the user:sync logs on with:/bin/sync and the home dir is:/bin  
the user:games logs on with:/usr/sbin/nologin and the home dir is:/usr/games  
the user:man logs on with:/usr/sbin/nologin and the home dir is:/var/cache/man  
the user:lp logs on with:/usr/sbin/nologin and the home dir is:/var/spool/lpd  
the user:mail logs on with:/usr/sbin/nologin and the home dir is:/var/mail  
the user:news logs on with:/usr/sbin/nologin and the home dir is:/var/spool/news  
the user:uucp logs on with:/usr/sbin/nologin and the home dir is:/var/spool/uucp  
the user:proxy logs on with:/usr/sbin/nologin and the home dir is:/bin  
the user:www-data logs on with:/usr/sbin/nologin and the home dir is:/var/www  
the user:backup logs on with:/usr/sbin/nologin and the home dir is:/var/backups
```

```
Tilix: anthony@cis106: ~  
1: anthony@cis106: ~  
anthony@cis106:~$ cat report_users.txt  
the user:root logs on with:/bin/bash and the home dir is:/root  
the user:daemon logs on with:/usr/sbin/nologin and the home dir is:/usr/sbin  
the user:bin logs on with:/usr/sbin/nologin and the home dir is:/bin  
the user:sys logs on with:/usr/sbin/nologin and the home dir is:/dev  
the user:sync logs on with:/bin/sync and the home dir is:/bin  
the user:games logs on with:/usr/sbin/nologin and the home dir is:/usr/games  
the user:man logs on with:/usr/sbin/nologin and the home dir is:/var/cache/man  
the user:lp logs on with:/usr/sbin/nologin and the home dir is:/var/spool/lpd  
the user:mail logs on with:/usr/sbin/nologin and the home dir is:/var/mail  
the user:news logs on with:/usr/sbin/nologin and the home dir is:/var/spool/news  
the user:uucp logs on with:/usr/sbin/nologin and the home dir is:/var/spool/uucp  
the user:proxy logs on with:/usr/sbin/nologin and the home dir is:/bin  
the user:www-data logs on with:/usr/sbin/nologin and the home dir is:/var/www  
the user:backup logs on with:/usr/sbin/nologin and the home dir is:/var/backups  
the user:list logs on with:/usr/sbin/nologin and the home dir is:/var/list  
the user:irc logs on with:/usr/sbin/nologin and the home dir is:/run/ircd  
the user:_apt logs on with:/usr/sbin/nologin and the home dir is:/nonexistent  
the user:nobody logs on with:/usr/sbin/nologin and the home dir is:/nonexistent  
the user:systemd-network logs on with:/usr/sbin/nologin and the home dir is:/  
the user:systemd-timesync logs on with:/usr/sbin/nologin and the home dir is:/  
the user:dhcpcd logs on with:/bin/false and the home dir is:/usr/lib/dhcpcd  
the user:messagebus logs on with:/usr/sbin/nologin and the home dir is:/nonexistent  
the user:syslog logs on with:/usr/sbin/nologin and the home dir is:/nonexistent  
the user:systemd-resolve logs on with:/usr/sbin/nologin and the home dir is:/  
the user:uidd logs on with:/usr/sbin/nologin and the home dir is:/run/uidd  
the user:usbmux logs on with:/usr/sbin/nologin and the home dir is:/var/lib/usbmux  
the user:tss logs on with:/bin/false and the home dir is:/var/lib/tpm  
the user:systemd-oom logs on with:/usr/sbin/nologin and the home dir is:/
```

## Question 4

 q4.1



```
1/1  +  [?]  [?]  Tilix: anthony@cis106: ~  🔍  ☰  -  □  ×

1: anthony@cis106: ~  AI  □  ×
anthony@cis106:~$ sed 's/;/,/g' honda1.csv > honda2.csv

anthony@cis106:~$ echo "model,cylinder,hp" > honda3.csv
anthony@cis106:~$ awk -F"," '{print $1,$3,$5}' honda2.csv

Car  Cylinders  Horsepower

2: anthony@cis106: ~  AI  □  ×
anthony@cis106:~$ awk -F"," 'NR > 1 {print $1,"",$3,"",$5}'
' honda2.csv
Honda Civic , 4 , 97.00
Honda Civic CVCC , 4 , 53.00
Honda Civic , 4 , 53.00
Honda Accord CVCC , 4 , 68.00
Honda Civic CVCC , 4 , 60.00
Honda Accord LX , 4 , 68.00
Honda Civic 1500 gl , 4 , 67.00
Honda Accord , 4 , 72.00
Honda Civic 1300 . 4 . 60.00

3: anthony@cis106: ~  □  ×

File: honda3.csv

1  model,cylinder,hp
2  honda_Civic,4,97.00
3  honda_Civic CVCC,4,53.00
4  honda_Civic,4,53.00
:  □
```

Challenge question



