

Lab 8 Submission

Question 1

```
Tilix: savillarreal@cis106desktop: ~  
1: savillarreal@cis106desktop: ~  
savillarreal@cis106desktop:~$ echo "All files in my home directory"  
All files in my home directory  
savillarreal@cis106desktop:~$ echo "All files in my home directory" > file_report.txt  
savillarreal@cis106desktop:~$ ls -Am >> file_report.txt  
savillarreal@cis106desktop:~$ cat file_report.txt  
All files in my home directory  
.bash_history, .bash_history-10799.tmp, .bash_history-12490.tmp, .bash_logout,  
.bashrc, .bastetrc, .cache, cis106, .config, Desktop, Documents, .dotnet,  
Downloads, file_name.sh, file_report.txt, .fim_history, .fonts, .gitconfig,  
.gnupg, honda1.csv, image.png, .lessht, .lgames, .librewolf,  
LINUX-2024-11-01.exe, .local, Music, Pictures, .pki, .profile, Public,  
report_users.txt, scripts, snap, .ssh, .sudo_as_admin_successful, Templates,  
.vboxclient-clipboard-tty2-control.pid, .vboxclient-clipboard-tty2-service.pid,  
.vboxclient-draganddrop-tty2-control.pid,  
.vboxclient-hostversion-tty2-control.pid, .vboxclient-seamless-tty2-control.pid,  
.vboxclient-vmvga-session-tty2-control.pid,  
.vboxclient-vmvga-session-tty2-service.pid, Videos, .viminfo, .vscode,  
.wget-hsts
```

Question 2

```
Tilix: savillarreal@cis106desktop: ~  
1: savillarreal@cis106desktop: ~  
savillarreal@cis106desktop:~$ echo "Total number of files in my home directory" >> file_report.txt  
savillarreal@cis106desktop:~$ ls -lA | grep "^-" | wc -l >> file_report.txt  
savillarreal@cis106desktop:~$ echo "Total number of directories in my home directory" >> file_report.txt  
savillarreal@cis106desktop:~$ ls -lA | grep "^d" | wc -l >> file_report.txt  
savillarreal@cis106desktop:~$ tail -n 10 file_report.txt  
.vboxclient-clipboard-tty2-control.pid, .vboxclient-clipboard-tty2-service.pid,  
.vboxclient-draganddrop-tty2-control.pid,  
.vboxclient-hostversion-tty2-control.pid, .vboxclient-seamless-tty2-control.pid,  
.vboxclient-vmvga-session-tty2-control.pid,  
.vboxclient-vmvga-session-tty2-service.pid, Videos, .viminfo, .vscode,  
.wget-hsts  
Total number of files in my home directory  
27  
Total number of directories in my home directory  
22  
savillarreal@cis106desktop:~$ _
```

Question 3

```
1: savillarreal@cis106desktop: ~$ awk -F: '{print $1}' /etc/passwd
root
daemon
bin
sys
sync
games
man
lp

2: savillarreal@cis106desktop: ~$ 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

3: savillarreal@cis106desktop: ~$ awk -F: '{print $1,$NF,$(NF-1)}' /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

4: savillarreal@cis106desktop: ~$ awk -F: '{print "The user:",$1,"logs in with:",$NF,"and their home dir is:",$(NF-1)}' /etc/passwd
The user: root logs in with: /bin/bash and their home dir is: /root
The user: daemon logs in with: /usr/sbin/nologin and their home dir is: /usr/sbin
The user: bin logs in with: /usr/sbin/nologin and their home dir is: /bin
The user: sys logs in with: /usr/sbin/nologin and their home dir is: /dev
The user: sync logs in with: /bin/sync and their home dir is: /bin
The user: games logs in with: /usr/sbin/nologin and their home dir is: /usr/games
The user: man logs in with: /usr/sbin/nologin and their home dir is: /var/cache/man
The user: lp logs in with: /usr/sbin/nologin and their home dir is: /var/spool/lpd

5: savillarreal@cis106desktop: ~$ awk -F: '{print "The user:",$1,"logs in with:",$NF,"and their home dir is:",$(NF-1)}' /etc/passwd > report_users.txt
savillarreal@cis106desktop: ~$ grep "bash" /etc/passwd | awk -F: '{print $1,"=", $NF}' >> report_users.txt
savillarreal@cis106desktop: ~$ _
```

Question 4

```
1: savillarreal@cis106desktop: ~/Documents/Csv$ head -1 cars.csv > honda1.csv
savillarreal@cis106desktop: ~/Documents/Csv$ grep -i "honda" cars.csv >> honda1.csv

2: savillarreal@cis106desktop: ~/Documents/Csv$ sed 's/;/,/g' honda1.csv > honda2.csv
savillarreal@cis106desktop: ~/Documents/Csv$ _

3: savillarreal@cis106desktop: ~$ echo "model,cylinders,hp" > honda3.csv
savillarreal@cis106desktop: ~$ awk -F, 'NR > 1 {print $1,"",$3,"",$5}' Documents/Csv/honda2.csv >> Documents/Csv/honda3.csv
savillarreal@cis106desktop: ~$ awk -F, 'NR > 1 {print $1,"",$3,"",$5}' Documents/Csv/honda2.csv | sed 's/ /,/g' | sed 's/Honda/Honda_/g' >> honda3.csv

4: savillarreal@cis106desktop: ~$
```

	File: /home/savillarreal/Documents/Csv/honda3.csv
1	Car Cylinders Horsepower
2	Car , Cylinders , Horsepower
3	Honda Civic , 4 , 97.00
4	Honda Civic CVCC , 4 , 53.00
5	Honda Civic , 4 , 53.00
6	Honda Accord CVCC , 4 , 60.00
7	Honda Civic CVCC , 4 , 60.00
8	Honda Accord LX , 4 , 60.00
9	Honda Civic 1500 gl , 4 , 67.00
10	Honda Accord , 4 , 72.00
11	Honda Civic 1300 , 4 , 60.00
12	Honda Prelude , 4 , 75.00
13	Honda Accord , 4 , 75.00
14	Honda Civic , 4 , 67.00
15	Honda Civic (auto) , 4 , 67.00
16	Honda Civic , 4 , 97.00
17	Honda Civic CVCC , 4 , 53.00
18	Honda Civic , 4 , 53.00
19	Honda Accord CVCC , 4 , 60.00
20	Honda Civic CVCC , 4 , 60.00
21	Honda Accord LX , 4 , 60.00
22	Honda Civic 1500 gl , 4 , 67.00
23	Honda Accord , 4 , 72.00
24	Honda Civic 1300 , 4 , 60.00
25	Honda Prelude , 4 , 75.00
26	Honda Accord , 4 , 75.00
27	Honda Civic , 4 , 67.00
28	Honda Civic (auto) , 4 , 67.00

(END)

Question Challenge

```
1: savillarreal@cis106desktop: ~  
savillarreal@cis106desktop:~$ unzip -d ~ Downloads/broken.zip  
Archive: Downloads/broken.zip  
  creating: /home/savillarreal/broken/  
  inflating: /home/savillarreal/broken/favicon.ico  
  inflating: /home/savillarreal/broken/profile.png  
  inflating: /home/savillarreal/broken/contact.html  
  inflating: /home/savillarreal/broken/styles.css  
  inflating: /home/savillarreal/broken/index.html  
  inflating: /home/savillarreal/broken/scripts.js  
  inflating: /home/savillarreal/broken/projects.html  
  inflating: /home/savillarreal/broken/resume.html  
savillarreal@cis106desktop:~$ ls broken/  
contact.html  favicon.ico  index.html  profile.png  projects.html  resume.html  scripts.js  styles.css  
2: savillarreal@cis106desktop: ~/broken  
savillarreal@cis106desktop:~$ cd broken/  
savillarreal@cis106desktop:~/broken$ grep "profile.png" *.html  
index.html:        
savillarreal@cis106desktop:~/broken$ grep "favicon.ico" *.html  
contact.html:    <link rel="icon" type="image/x-icon" href="assets/favicon.ico" />  
index.html:      <link rel="icon" type="image/x-icon" href="assets/favicon.ico" />  
projects.html:    <link rel="icon" type="image/x-icon" href="assets/favicon.ico" />  
resume.html:      <link rel="icon" type="image/x-icon" href="assets/favicon.ico" />  
savillarreal@cis106desktop:~/broken$ grep "styles.css" *.html  
contact.html:    <link href="css/styles.css" rel="stylesheet" />  
index.html:      <link href="css/styles.css" rel="stylesheet" />  
projects.html:    <link href="css/styles.css" rel="stylesheet" />  
resume.html:      <link href="css/styles.css" rel="stylesheet" />  
savillarreal@cis106desktop:~/broken$ grep "scripts.js" *.html  
contact.html:    <script src="js/scripts.js"></script>  
index.html:      <script src="js/scripts.js"></script>  
projects.html:    <script src="js/scripts.js"></script>  
resume.html:      <script src="js/scripts.js"></script>  
savillarreal@cis106desktop:~/broken$ _  
3: savillarreal@cis106desktop: ~  
savillarreal@cis106desktop:~$ mkdir -v broken/{assets,css,js}  
mkdir: created directory 'broken/assets'  
mkdir: created directory 'broken/css'  
mkdir: created directory 'broken/js'  
4: savillarreal@cis106desktop: ~/broken  
savillarreal@cis106desktop:~$ cd broken/  
savillarreal@cis106desktop:~/broken$ mv -v profile.png assets/profile.png  
renamed 'profile.png' -> 'assets/profile.png'  
savillarreal@cis106desktop:~/broken$ mv -v favicon.ico assets/favicon.ico  
renamed 'favicon.ico' -> 'assets/favicon.ico'  
savillarreal@cis106desktop:~/broken$ mv -v styles.css css/styles.css  
renamed 'styles.css' -> 'css/styles.css'  
savillarreal@cis106desktop:~/broken$ mv -v scripts.js js/scripts.js  
renamed 'scripts.js' -> 'js/scripts.js'  
savillarreal@cis106desktop:~/broken$ _
```

Question Challenge

