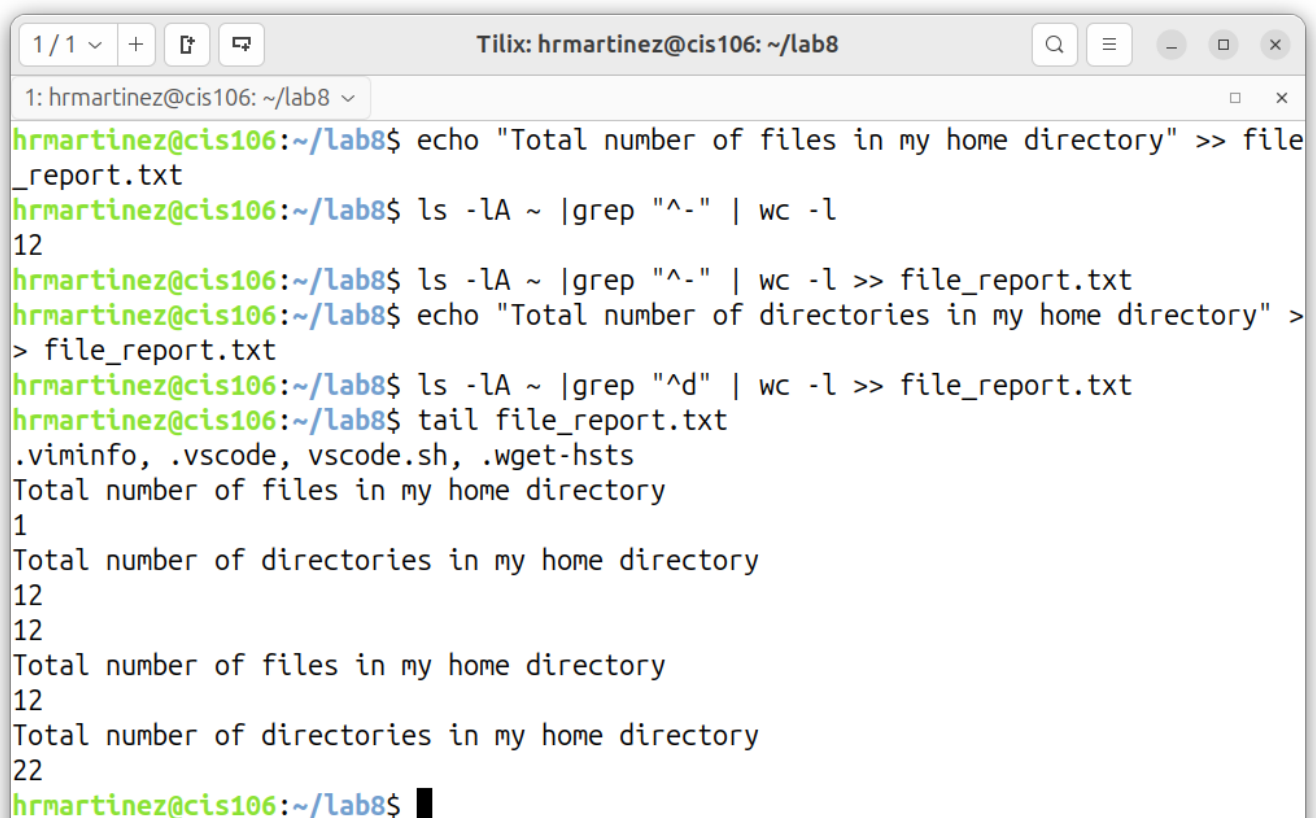


Lab 8

Question 1

```
hrmartinez@cis106:~/lab8$ echo "All files in my home directory" > file_report.txt
hrmartinez@cis106:~/lab8$ ls -Am ~ >> file_report.txt
hrmartinez@cis106:~/lab8$ cat file_report.txt
All files in my home directory
.bash_aliases, .bash_history, .bash_logout, .bashrc, bobsburger, .cache, cis106,
.config, Desktop, Documents, .dotnet, Downloads, .gitconfig, .gnupg,
greeting.sh, lab8, .local, Music, Pictures, .pki, .profile, Public, scripts,
snap, .ssh, .sudo_as_admin_successful, Templates, tfi.sh, .var, Videos,
.viminfo, .vscode, vscode.sh, .wget-hsts
hrmartinez@cis106:~/lab8$
```

Question 2



```
Tilix: hrmartinez@cis106: ~/lab8
1: hrmartinez@cis106: ~/lab8
hrmartinez@cis106:~/lab8$ echo "Total number of files in my home directory" >> file_report.txt
hrmartinez@cis106:~/lab8$ ls -lA ~ |grep "^-" | wc -l
12
hrmartinez@cis106:~/lab8$ ls -lA ~ |grep "^-" | wc -l >> file_report.txt
hrmartinez@cis106:~/lab8$ echo "Total number of directories in my home directory" >> file_report.txt
hrmartinez@cis106:~/lab8$ ls -lA ~ |grep "^d" | wc -l >> file_report.txt
hrmartinez@cis106:~/lab8$ tail file_report.txt
.viminfo, .vscode, vscode.sh, .wget-hsts
Total number of files in my home directory
1
Total number of directories in my home directory
12
12
Total number of files in my home directory
12
Total number of directories in my home directory
22
hrmartinez@cis106:~/lab8$
```

Question 3

```

polkitd /usr/sbin/nologin
rtkit /usr/sbin/nologin
colord /usr/sbin/nologin
gnome-initial-setup /bin/false
gdm /bin/false
nm-openvpn /usr/sbin/nologin
hrmartinez /bin/bash
_flatpak /usr/sbin/nologin
hrmartinez@cis106:~/lab8$ awk -F":" '{print $1,$NF}' /etc/passwd
cups-browsed /usr/sbin/nologin /nonexistent
hplip /bin/false /run/hplip
gnome-remote-desktop /usr/sbin/nologin /var/lib/gnome-remote-desktop
polkitd /usr/sbin/nologin /
rtkit /usr/sbin/nologin /proc
colord /usr/sbin/nologin /var/lib/colord
gnome-initial-setup /bin/false /run/gnome-initial-setup/
gdm /bin/false /var/lib/gdm3
nm-openvpn /usr/sbin/nologin /var/lib/openvpn/chroot
hrmartinez /bin/bash /home/hrmartinez
_flatpak /usr/sbin/nologin /nonexistent
hrmartinez@cis106:~/lab8$ awk -F":" '{print $1,$NF,$6}' /etc/passwd
The user polkitd logs with: /usr/sbin/nologin and its home dir is: /
The user rtkit logs with: /usr/sbin/nologin and its home dir is: /proc
The user colord logs with: /usr/sbin/nologin and its home dir is: /var/lib/colord
The user gnome-initial-setup logs with: /bin/false and its home dir is: /run/gnome-initial-setup/
The user gdm logs with: /bin/false and its home dir is: /var/lib/gdm3
The user nm-openvpn logs with: /usr/sbin/nologin and its home dir is: /var/lib/openvpn/chroot
The user hrmartinez logs with: /bin/bash and its home dir is: /home/hrmartinez
The user _flatpak logs with: /usr/sbin/nologin and its home dir is: /nonexistent
hrmartinez@cis106:~/lab8$ awk -F":" '{print "The user \"$1,\"logs with: \"$NF,\" and its home dir is: \"$6}' /etc/passwd
gdm = /bin/false
nm-openvpn = /usr/sbin/nologin
hrmartinez = /bin/bash
_flatpak = /usr/sbin/nologin
hrmartinez@cis106:~/lab8$ awk -F":" '{print $1" = " $NF}' /etc/passwd | grep "/bin/bash"
root = /bin/bash
hrmartinez = /bin/bash
hrmartinez@cis106:~/lab8$ awk -F":" '{print $1" = " $NF}' /etc/passwd | grep "/bin/bash" >> report_users.txt
hrmartinez@cis106:~/lab8$

```

Question 4

```
hrmartinez@cis106:~/lab8$ head -1 ~/Documents/Csv/cars.csv > honda1.csv
hrmartinez@cis106:~/lab8$ cat honda1.csv
Car;MPG;Cylinders;Displacement;Horsepower;Weight;Acceleration;Model;Origin
hrmartinez@cis106:~/lab8$ grep -i "honda" ~/Documents/Csv/cars.csv >> honda1.csv
hrmartinez@cis106:~/lab8$ sed 's/;/,/g' honda1.csv
Car,MPG,Cylinders,Displacement,Horsepower,Weight,Acceleration,Model,Origin
Honda Civic,24.0,4,120.0,97.00,2489.,15.0,74,Japan
Honda Civic CVCC,33.0,4,91.00,53.00,1795.,17.5,75,Japan
Honda Civic,33.0,4,91.00,53.00,1795.,17.4,76,Japan
Honda Accord CVCC,31.5,4,98.00,68.00,2045.,18.5,77,Japan
Honda Civic CVCC,36.1,4,91.00,60.00,1800.,16.4,78,Japan
Honda Accord LX,29.5,4,98.00,68.00,2135.,16.6,78,Japan
Honda Civic 1500 gl,44.6,4,91.00,67.00,1850.,13.8,80,Japan
Honda Accord,32.4,4,107.0,72.00,2290.,17.0,80,Japan
Honda Civic 1300,35.1,4,81.00,60.00,1760.,16.1,81,Japan
Honda Prelude,33.7,4,107.0,75.00,2210.,14.4,81,Japan
Honda Accord,36.0,4,107.0,75.00,2205.,14.5,82,Japan
Honda Civic,38.0,4,91.00,67.00,1965.,15.0,82,Japan
Honda Civic (auto),32.0,4,91.00,67.00,1965.,15.7,82,Japan
hrmartinez@cis106:~/lab8$ sed 's/;/,/g' honda1.csv > honda2.csv
hrmartinez@cis106:~/lab8$
```

```
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
Honda_Prelude,4,75.00
Honda_Accord,4,75.00
Honda_Civic,4,67.00
Honda_Civic (auto),4,67.00
hrmartinez@cis106:~/lab8$ awk -F"," 'NR > 1 {print $1,"",$3,"",$5}' honda2.csv |sed 's/ , /,/g'
| sed 's/Honda /Honda_/g' >> honda3.csv
hrmartinez@cis106:~/lab8$ batcat honda3.csv
```

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
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

Challenge Question

```
Tilix: hrmartinez@cis106: ~/lab8/broken
1: hrmartinez@cis106: ~/lab8/broken
hrmartinez@cis106:~/lab8/broken$ nano index.html
hrmartinez@cis106:~/lab8/broken$ ls
contact.html  index.html  projects.html  scripts.js
favicon.ico   profile.png  resume.html    styles.css
hrmartinez@cis106:~/lab8/broken$ mkdir -pv css js assets
mkdir: created directory 'css'
mkdir: created directory 'js'
mkdir: created directory 'assets'
hrmartinez@cis106:~/lab8/broken$ mv favicon.ico profile.png assets/
hrmartinez@cis106:~/lab8/broken$ mv styles.css css/
hrmartinez@cis106:~/lab8/broken$ mv scripts.js js/
2: hrmartinez@cis106: ~/lab8/broken
hrmartinez@cis106:~/lab8/broken$ ls
assets  contact.html  css  index.html  js  projects.html  resume.html
hrmartinez@cis106:~/lab8/broken$ firefox index.html
Gtk-Message: 22:08:24.756: Not loading module "atk-bridge": The functionality is
provided by GTK natively. Please try to not load it.
hrmartinez@cis106:~/lab8/broken$ ls -l |grep "^-"
-rw-rw-r-- 1 hrmartinez hrmartinez 9275 Mar 25 2023 contact.html
-rw-rw-r-- 1 hrmartinez hrmartinez 27570 Mar 25 2023 index.html
-rw-rw-r-- 1 hrmartinez hrmartinez 6395 Mar 25 2023 projects.html
-rw-rw-r-- 1 hrmartinez hrmartinez 15143 Mar 25 2023 resume.html
hrmartinez@cis106:~/lab8/broken$
```

```
<!-- Favicon-->
<link rel="icon" type="image/x-icon" href="assets/favicon.ico" />
<!-- Custom Google font-->
<link rel="preconnect" href="https://fonts.googleapis.com" />
<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin />
<link href="https://fonts.googleapis.com/css2?family=Plus+Jakarta+Sans:
<!-- Bootstrap icons-->
<link href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.8.1/font/boo
<!-- Core theme CSS (includes Bootstrap)-->
<link href="css/styles.css" rel="stylesheet" />
</head>
```

```
<!-- Bootstrap core JS-->  
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/  
<!-- Core theme JS-->  
<script src="js/scripts.js"></script>  
</body>
```

