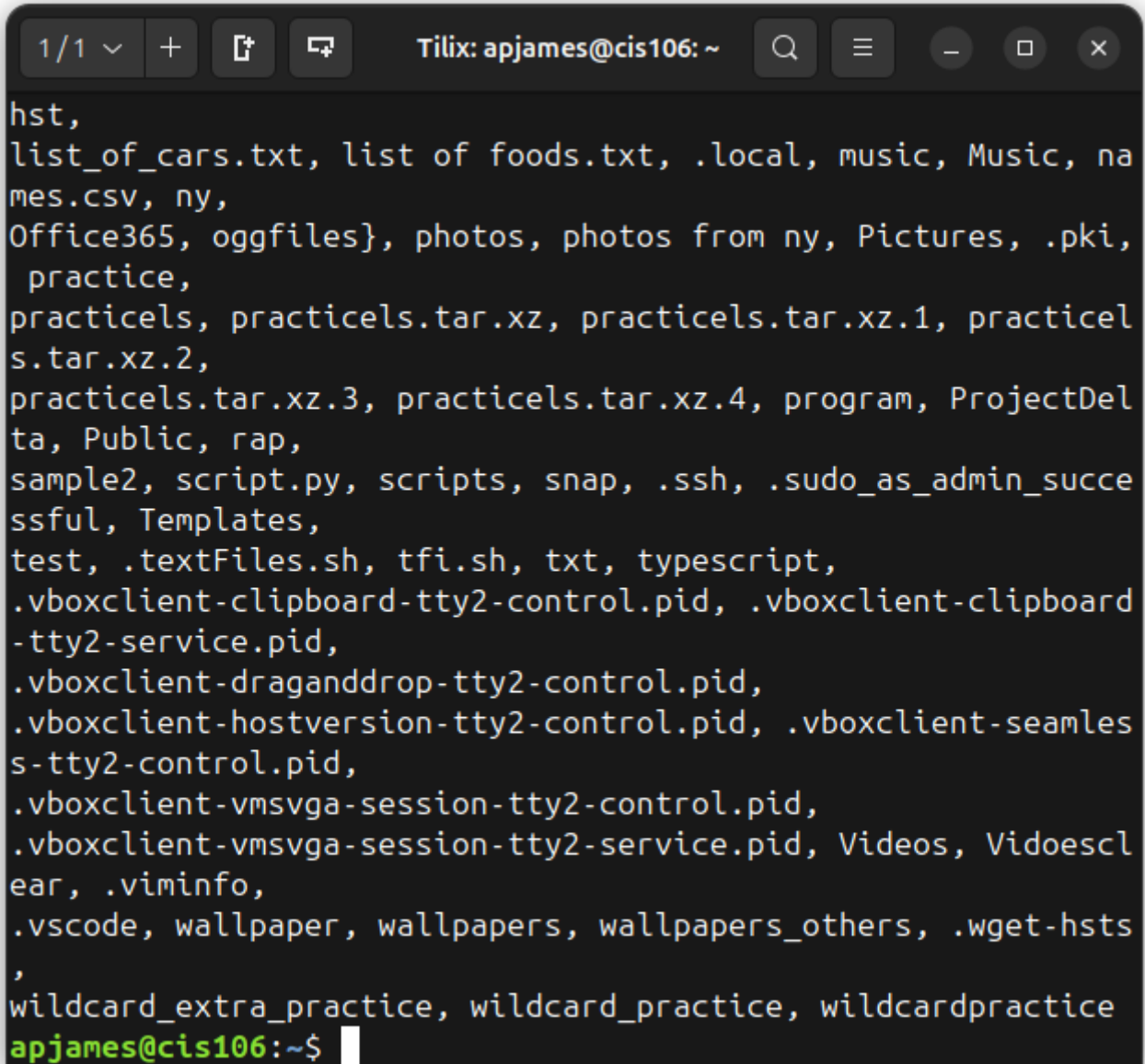


# Lab 8

---

## Question 1

A terminal window titled "Tilix: apjames@cis106: ~" with standard window controls. The terminal displays a list of files and directories, including "hst,", "list\_of\_cars.txt", "list of foods.txt", ".local", "music", "Music", "names.csv", "ny,", "Office365", "oggfiles", "photos", "photos from ny", "Pictures", ".pki", "practice,", "practicels", "practicels.tar.xz", "practicels.tar.xz.1", "practicels.tar.xz.2,", "practicels.tar.xz.3", "practicels.tar.xz.4", "program", "ProjectDelta", "Public", "rap,", "sample2", "script.py", "scripts", "snap", ".ssh", ".sudo\_as\_admin\_successful", "Templates,", "test", ".textFiles.sh", "tfi.sh", "txt", "typescript,", ".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", "Vidoesclear", ".viminfo,", ".vscode", "wallpaper", "wallpapers", "wallpapers\_others", ".wget-hsts", ",", "wildcard\_extra\_practice", "wildcard\_practice", "wildcardpractice", and ends with the prompt "apjames@cis106:~\$".

```
hst,  
list_of_cars.txt, list of foods.txt, .local, music, Music, na  
mes.csv, ny,  
Office365, oggfiles}, photos, photos from ny, Pictures, .pki,  
practice,  
practicels, practicels.tar.xz, practicels.tar.xz.1, practicel  
s.tar.xz.2,  
practicels.tar.xz.3, practicels.tar.xz.4, program, ProjectDel  
ta, Public, rap,  
sample2, script.py, scripts, snap, .ssh, .sudo_as_admin_succe  
ssful, Templates,  
test, .textFiles.sh, tfi.sh, txt, typescript,  
.vboxclient-clipboard-tty2-control.pid, .vboxclient-clipboard  
-tty2-service.pid,  
.vboxclient-draganddrop-tty2-control.pid,  
.vboxclient-hostversion-tty2-control.pid, .vboxclient-seamles  
s-tty2-control.pid,  
.vboxclient-vmvga-session-tty2-control.pid,  
.vboxclient-vmvga-session-tty2-service.pid, Videos, Vidoescl  
ear, .viminfo,  
.vscode, wallpaper, wallpapers, wallpapers_others, .wget-hsts  
,  
wildcard_extra_practice, wildcard_practice, wildcardpractice  
apjames@cis106:~$
```

## Question 2

```

1/1 v + [T] [F] Tilix: apjames@cis106: ~ [Q] [≡] [−] [□] [X]
-rw----- 1 apjames apjames 9835 Apr 18 21:44 .viminfo
-rw-rw-r-- 1 apjames apjames 215 May 10 23:35 .wget-hsts
apjames@cis106:~$ ls -lA ~ | grep "^-" | wc -l
39
apjames@cis106:~$ ls -lA ~ | grep "^-" | wc -l >> file_report
.txt
apjames@cis106:~$ echo "Total number of directories in my hom
e directory" >> file_report.txt
apjames@cis106:~$ ls -lA ~ | grep "^d" | wc -l >> file_report
.txt
apjames@cis106:~$ tail file_report.txt
.vboxclient-draganddrop-tty2-control.pid,
.vboxclient-hostversion-tty2-control.pid, .vboxclient-seamles
s-tty2-control.pid,
.vboxclient-vmvga-session-tty2-control.pid,
.vboxclient-vmvga-session-tty2-service.pid, Videos, Vidoescl
ear, .viminfo,
.vscode, wallpaper, wallpapers, wallpapers_others, .wget-hsts
,
wildcard_extra_practice, wildcard_practice, wildcardpractice
Total number of files in my home directory
39
Total number of directories in my home directory
58
apjames@cis106:~$ █

```

### Question 3

```

apjames /bin/bash
_flatpak /usr/sbin/nologin
snapd-range-524288-root /usr/bin/false
snap_daemon /usr/bin/false
vboxadd /bin/false
apjames@cis106:~$ awk -F":" '{print $1,$NF}' /etc/passwd █

```

```

nm-openvpn /usr/sbin/nologin /var/lib/openvpn/chroot
apjames /bin/bash /home/apjames
_flatpak /usr/sbin/nologin /nonexistent
snapd-range-524288-root /usr/bin/false /nonexistent
snap_daemon /usr/bin/false /nonexistent
vboxadd /bin/false /var/run/vboxadd
apjames@cis106:~$ awk -F":" '{print $1,$NF,$6}' /etc/passwd █

```

```
the user apjames logs in with: /bin/bash and its home dir is:
/home/apjames
The user _flatpak logs in with: /usr/sbin/nologin and its hom
e dir is: /nonexistent
The user snapd-range-524288-root logs in with: /usr/bin/false
and its home dir is: /nonexistent
The user snap_daemon logs in with: /usr/bin/false and its hom
e dir is: /nonexistent
The user vboxadd logs in with: /bin/false and its home dir is
/var/run/vboxadd
apjames@cis106:~$ awk -F":" '{print "The user \"$1,\"logs in wi
th: \"$NF,\"and its home dir is: \"$6}' /etc/passwd
```

```
1/1 v + [ ] [ ] Tilix: apjames@cis106: ~ [Q] [≡] [–] [□] [X]
cups-pk-helper = /usr/sbin/nologin
fwupd-refresh = /usr/sbin/nologin
saned = /usr/sbin/nologin
geoclue = /usr/sbin/nologin
cups-browsed = /usr/sbin/nologin
hplip = /bin/false
gnome-remote-desktop = /usr/sbin/nologin
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
apjames = /bin/bash
_flatpak = /usr/sbin/nologin
snapd-range-524288-root = /usr/bin/false
snap_daemon = /usr/bin/false
vboxadd = /bin/false
apjames@cis106:~$ awk -F":" '{print $1" = "#NF}' /etc/passwd
| grep "/bin/bash"
awk: line 2: missing } near end of file
apjames@cis106:~$ awk -F":" '{print $1" = "#NF}' /etc/passwd
| grep "/bin/bash" >> report_users.txt
awk: line 2: missing } near end of file
apjames@cis106:~$
```

 quest3

## Question 4

```
apjames@cis106:~$ grep -i "honda" ~/Documents/Csv/cars.csv > honda1.csv
apjames@cis106:~$ head -1 ~/Documents/Csv/cars.csv > honda1.csv
apjames@cis106:~$ cat honda1.csv
Car;MPG;Cylinders;Displacement;Horsepower;Weight;Acceleration;Model;Origin
apjames@cis106:~$ head -1 ~/Documents/Csv/cars.csv >> honda1.csv
apjames@cis106:~$ sed 's/;/,/g' honda1.csv > honda2.csv
apjames@cis106:~$
```

1/1 + [icons] Tilix: apjames@cis106: ~/Documents/Csv

1: apjames@cis106: ~

```
Car,Cylinders,Horsepower
apjames@cis106:~$ awk -F"," 'NR > 1 {print $1,"",$3,"",$5}' honda2.csv | sed 's/ , /,/g' | sed 's/Honda /Honda_/g'
Car,Cylinders,Horsepower
apjames@cis106:~$ awk -F"," 'NR > 1 {print $1,"",$3,"",$5}' honda2.csv | sed 's/ , /,/g' | sed 's/Honda /Honda_/g' >> honda.csv
apjames@cis106:~$ batcat honda3.csv
```

File: honda3.csv	
1	model, cylinder, hp

```
apjames@cis106:~$
```

2: apjames@cis106: ~/Documents/Csv

```
apjames@cis106:~/Documents/Csv$
```