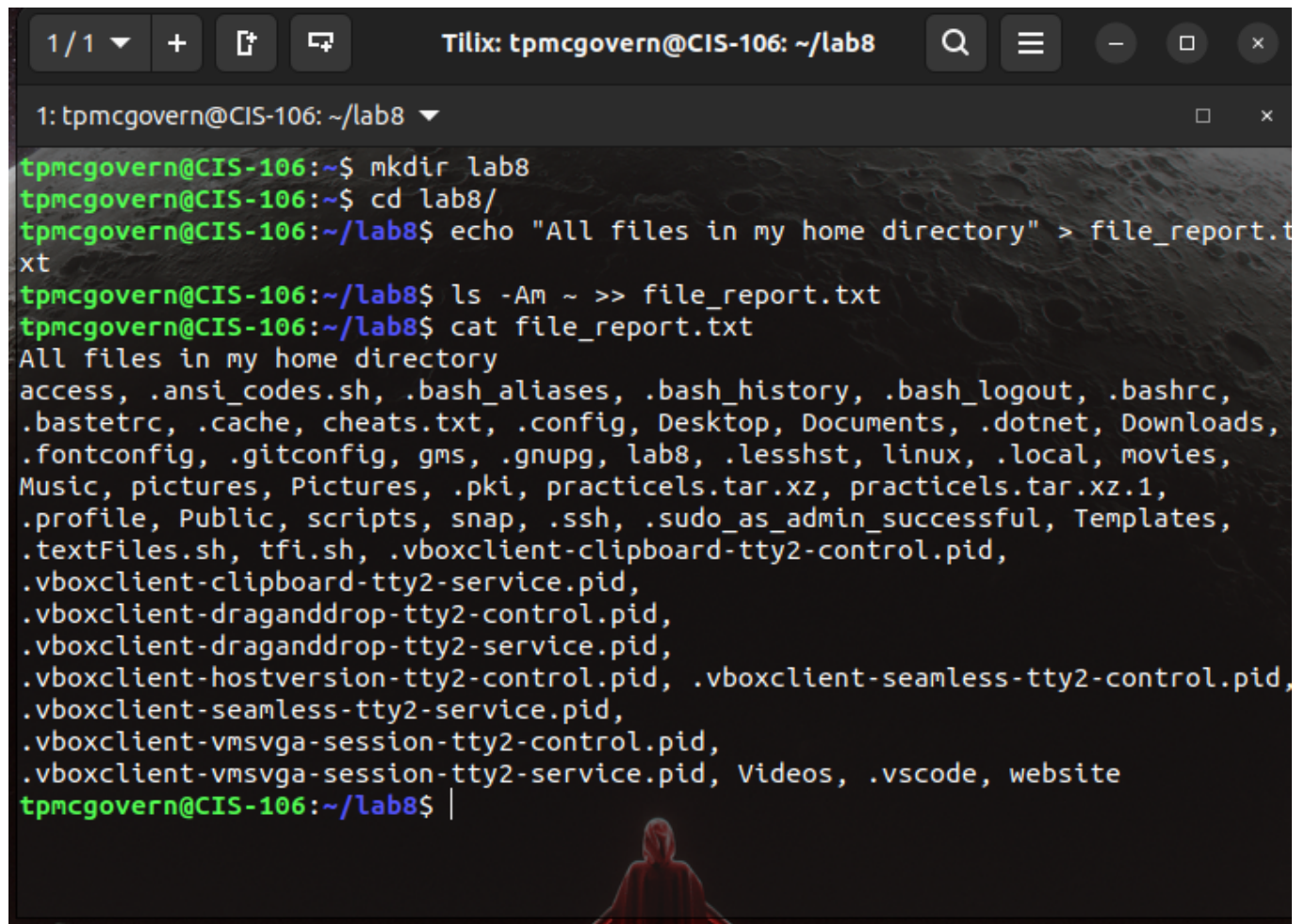


Lab 8

Question 1

A terminal window titled 'Tilix: tpmcgovern@CIS-106: ~/lab8' showing a series of commands and their outputs. The user creates a directory 'lab8', changes to it, echoes a message to a file, and lists the contents of the home directory. The list includes various system files, user directories, and application data. A faint image of a person in a red robe is visible in the background of the terminal.

```
1/1 ▾ + [ ] [ ] Tilix: tpmcgovern@CIS-106: ~/lab8 🔍 ≡ − □ ×  
1: tpmcgovern@CIS-106: ~/lab8 ▾ □ ×  
tpmcgovern@CIS-106:~$ mkdir lab8  
tpmcgovern@CIS-106:~$ cd lab8/  
tpmcgovern@CIS-106:~/lab8$ echo "All files in my home directory" > file_report.txt  
tpmcgovern@CIS-106:~/lab8$ ls -Am ~ >> file_report.txt  
tpmcgovern@CIS-106:~/lab8$ cat file_report.txt  
All files in my home directory  
access, .ansi_codes.sh, .bash_aliases, .bash_history, .bash_logout, .bashrc,  
.bastetrc, .cache, cheats.txt, .config, Desktop, Documents, .dotnet, Downloads,  
.fontconfig, .gitconfig, gms, .gnupg, lab8, .lessht, linux, .local, movies,  
Music, pictures, Pictures, .pki, practicels.tar.xz, practicels.tar.xz.1,  
.profile, Public, scripts, snap, .ssh, .sudo_as_admin_successful, Templates,  
.textFiles.sh, tfi.sh, .vboxclient-clipboard-tty2-control.pid,  
.vboxclient-clipboard-tty2-service.pid,  
.vboxclient-draganddrop-tty2-control.pid,  
.vboxclient-draganddrop-tty2-service.pid,  
.vboxclient-hostversion-tty2-control.pid, .vboxclient-seamless-tty2-control.pid,  
.vboxclient-seamless-tty2-service.pid,  
.vboxclient-vmvga-session-tty2-control.pid,  
.vboxclient-vmvga-session-tty2-service.pid, Videos, .vscode, website  
tpmcgovern@CIS-106:~/lab8$ |
```

Question 2

```
1/1 + L L Titix: tpmcgovern@CIS-106: ~/lab8 Q = - □ ×
1: tpmcgovern@CIS-106: ~/lab8
tpmcgovern@CIS-106:~/lab8$ echo "Total number of files in my home directory"
Total number of files in my home directory
tpmcgovern@CIS-106:~/lab8$ ^C
tpmcgovern@CIS-106:~/lab8$ echo "Total number of files in my home directory" >>
file_report.txt
tpmcgovern@CIS-106:~/lab8$ ls -lA ~ | grep "^_" | wc -l
0
tpmcgovern@CIS-106:~/lab8$ ls -lA ~ | grep "^_" | wc -l >> file_report.txt
tpmcgovern@CIS-106:~/lab8$ tail file_report.txt
.textFiles.sh, tfi.sh, .vboxclient-clipboard-tty2-control.pid,
.vboxclient-clipboard-tty2-service.pid,
.vboxclient-draganddrop-tty2-control.pid,
.vboxclient-draganddrop-tty2-service.pid,
.vboxclient-hostversion-tty2-control.pid, .vboxclient-seamless-tty2-control.pid,
.vboxclient-seamless-tty2-service.pid,
.vboxclient-vmsvg-session-tty2-control.pid,
.vboxclient-vmsvg-session-tty2-service.pid, Videos, .vscode, website
Total number of files in my home directory
0
tpmcgovern@CIS-106:~/lab8$ ls -lA ~ | grep "^d" | wc -l >> file_report.txt
tpmcgovern@CIS-106:~/lab8$ tail file_report.txt
.vboxclient-clipboard-tty2-service.pid,
.vboxclient-draganddrop-tty2-control.pid,
.vboxclient-draganddrop-tty2-service.pid,
.vboxclient-hostversion-tty2-control.pid, .vboxclient-seamless-tty2-control.pid,
.vboxclient-seamless-tty2-service.pid,
.vboxclient-vmsvg-session-tty2-control.pid,
.vboxclient-vmsvg-session-tty2-service.pid, Videos, .vscode, website
Total number of files in my home directory
0
26
tpmcgovern@CIS-106:~/lab8$
```

Question 3


```
tem user,,,:/run/hplip:/bin/false
gdm:x:128:134:Gnome Display Manager:/var/lib/gdm3:/bin/false gdm:x:128:134:Gnome
Display Manager:/var/lib/gdm3:/bin/false
tpmcgovern:x:1000:1000:tpmcgovern,,,:/home/tpmcgovern:/bin/bash tpmcgovern:x:1000:1000:tpmcgovern,,,:/home/tpmcgovern:/bin/bash
vboxadd:x:999:1::/var/run/vboxadd:/bin/false vboxadd:x:999:1::/var/run/vboxadd:/bin/false
_flatpak:x:129:138:Flatpak system-wide installation helper,,,:/nonexistent:/usr/sbin/nologin _flatpak:x:129:138:Flatpak system-wide installation helper,,,:/nonexistent:/usr/sbin/nologin
lightdm:x:130:139:Light Display Manager:/var/lib/lightdm:/bin/false lightdm:x:130:139:Light Display Manager:/var/lib/lightdm:/bin/false
tpmcgovern@CIS-106:~/lab8$ awk -F";" '{print $1,$NF}' /etc/passwd
```

```
ttat-setup:x:126:65534::/run/gnome-ttcat-setup:/bin/false
hplip:x:127:7:HPLIP system user,,,:/run/hplip:/bin/false hplip:x:127:7:HPLIP system user,,,:/run/hplip:/bin/false
gdm:x:128:134:Gnome Display Manager:/var/lib/gdm3:/bin/false gdm:x:128:134:Gnome Display Manager:/var/lib/gdm3:/bin/false
tpmcgovern:x:1000:1000:tpmcgovern,,,:/home/tpmcgovern:/bin/bash tpmcgovern:x:1000:1000:tpmcgovern,,,:/home/tpmcgovern:/bin/bash
vboxadd:x:999:1::/var/run/vboxadd:/bin/false vboxadd:x:999:1::/var/run/vboxadd:/bin/false
_flatpak:x:129:138:Flatpak system-wide installation helper,,,:/nonexistent:/usr/sbin/nologin _flatpak:x:129:138:Flatpak system-wide installation helper,,,:/nonexistent:/usr/sbin/nologin
lightdm:x:130:139:Light Display Manager:/var/lib/lightdm:/bin/false lightdm:x:130:139:Light Display Manager:/var/lib/lightdm:/bin/false
tpmcgovern@CIS-106:~/lab8$ awk -F";" '{print $1,$NF,$6}' /etc/passwd
```

```
The usergdm:x:128:134:Gnome Display Manager:/var/lib/gdm3:/bin/false logs in with: gdm:x:128:134:Gnome Display Manager:/var/lib/gdm3:/bin/false and its home dir is:
The usertpmcgovern:x:1000:1000:tpmcgovern,,,:/home/tpmcgovern:/bin/bash logs in with: tpmcgovern:x:1000:1000:tpmcgovern,,,:/home/tpmcgovern:/bin/bash and its home dir is:
The uservboxadd:x:999:1::/var/run/vboxadd:/bin/false logs in with: vboxadd:x:999:1::/var/run/vboxadd:/bin/false and its home dir is:
The user_flatpak:x:129:138:Flatpak system-wide installation helper,,,:/nonexistent:/usr/sbin/nologin logs in with: _flatpak:x:129:138:Flatpak system-wide installation helper,,,:/nonexistent:/usr/sbin/nologin and its home dir is:
The userlightdm:x:130:139:Light Display Manager:/var/lib/lightdm:/bin/false logs in with: lightdm:x:130:139:Light Display Manager:/var/lib/lightdm:/bin/false and its home dir is:
tpmcgovern@CIS-106:~/lab8$ awk -F";" '{print "The user "|$1,"logs in with: "$NF,"and its home dir is: "$6}' /etc/passwd
```

```
hplip:x:127:7:HPLIP system user,,,:/run/hplip:/bin/false = hplip:x:127:7:HPLIP system user,,,:/run/hplip:/bin/false
gdm:x:128:134:Gnome Display Manager:/var/lib/gdm3:/bin/false = gdm:x:128:134:Gnome Display Manager:/var/lib/gdm3:/bin/false
tpmcgovern:x:1000:1000:tpmcgovern,,,:/home/tpmcgovern:/bin/bash = tpmcgovern:x:1000:1000:tpmcgovern,,,:/home/tpmcgovern:/bin/bash
vboxadd:x:999:1::/var/run/vboxadd:/bin/false = vboxadd:x:999:1::/var/run/vboxadd:/bin/false
_flatpak:x:129:138:Flatpak system-wide installation helper,,,:/nonexistent:/usr/sbin/nologin = _flatpak:x:129:138:Flatpak system-wide installation helper,,,:/nonexistent:/usr/sbin/nologin
lightdm:x:130:139:Light Display Manager:/var/lib/lightdm:/bin/false = lightdm:x:130:139:Light Display Manager:/var/lib/lightdm:/bin/false
tpmcgovern@CIS-106:~/lab8$ awk -F";" '{print $1" = "$NF}' /etc/passwd | grep "bin/bash"
root:x:0:0:root:/root:/bin/bash = root:x:0:0:root:/root:/bin/bash
tpmcgovern:x:1000:1000:tpmcgovern,,,:/home/tpmcgovern:/bin/bash = tpmcgovern:x:1000:1000:tpmcgovern,,,:/home/tpmcgovern:/bin/bash
tpmcgovern@CIS-106:~/lab8$ awk -F";" '{print $1" = "$NF}' /etc/passwd | grep "bin/bash" >> report_users.txt
```

Question 4


```
1 / 1 + ...mcgovern@CIS-106: ~/Documents/Csv Q ≡ - □ ×

1: tpmcgovern@CIS-106: ~ ▼

tpmcgovern@CIS-106:~$ grep -i "honda" ~/Documents/Csv/cars.csv > honda1.csv
tpmcgovern@CIS-106:~$ head -1 ~/Documents/Csv/cars.csv > honda1.csv
tpmcgovern@CIS-106:~$ cat honda1.csv
Car;MPG;Cylinders;Displacement;Horsepower;Weight;Acceleration;Model;Origin
tpmcgovern@CIS-106:~$ grep -i "honda" ~/Documents/Csv/cars.csv > honda1.csv
tpmcgovern@CIS-106:~$ grep -i "honda" ~/Documents/Csv/cars.csv >> honda1.csv
tpmcgovern@CIS-106:~$ |

2: tpmcgovern@CIS-106: ~/Documents/Csv ▼

tpmcgovern@CIS-106:~$ cd ~/Documents/Csv
tpmcgovern@CIS-106:~/Documents/Csv$ cat ~/honda1.csv
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

1 / 1 + Tilix: tpmcgovern@CIS-106: ~ Q ≡ - □ ×

1: tpmcgovern@CIS-106: ~ ▼

tpmcgovern@CIS-106:~$ sed 's/;/,/g' honda1.csv
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
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
```

Challenge Question

```
1: tpmcgovern@CIS-106: ~/lab8/broken
tpmcgovern@CIS-106:~$ cd lab8/
tpmcgovern@CIS-106:~/lab8$ ls
broken      file_report.txt  honda2.csv  report_users.txt
broken.zip  honda1.csv       honda3.csv
tpmcgovern@CIS-106:~/lab8$ cd broken/
tpmcgovern@CIS-106:~/lab8/broken$ ls
contact.html  index.html  projects.html  scripts.js
favicon.ico   profile.png  resume.html    styles.css
tpmcgovern@CIS-106:~/lab8/broken$ ls -lX
-rw-rw-r-- 1 tpmcgovern web  12K 2024-04-29 14:54 contact.html
-rw-rw-r-- 1 tpmcgovern web  12K 2024-04-29 14:54 index.html
-rw-rw-r-- 1 tpmcgovern web  12K 2024-04-29 14:54 projects.html
-rw-rw-r-- 1 tpmcgovern web  12K 2024-04-29 14:54 resume.html
-rw-rw-r-- 1 tpmcgovern web  12K 2024-04-29 14:54 favicon.ico
-rw-rw-r-- 1 tpmcgovern web  12K 2024-04-29 14:54 scripts.js
-rw-rw-r-- 1 tpmcgovern web  12K 2024-04-29 14:54 profile.png
tpmcgovern@CIS-106:~/lab8/broken$ grep -Eo '"[^"]+(\.css|html|ico|js|png)"' index.html
"assets/favicon.ico"
"https://cdn.jsdelivr.net/npm/bootstrap-icons@1.8.1/font/bootstrap-icons.css"
"css/styles.css"
"index.html"
"index.html"
"resume.html"
"projects.html"
"contact.html"
"resume.html"
"projects.html"
"assets/profile.png"
"https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/js/bootstrap.bundle.min.js"
"js/scripts.js"
tpmcgovern@CIS-106:~/lab8/broken$ |
```

```
tpmcgovern@CIS-106:~/lab8/broken$ mkdir css/
tpmcgovern@CIS-106:~/lab8/broken$ mkdir js/
tpmcgovern@CIS-106:~/lab8/broken$ |
```

