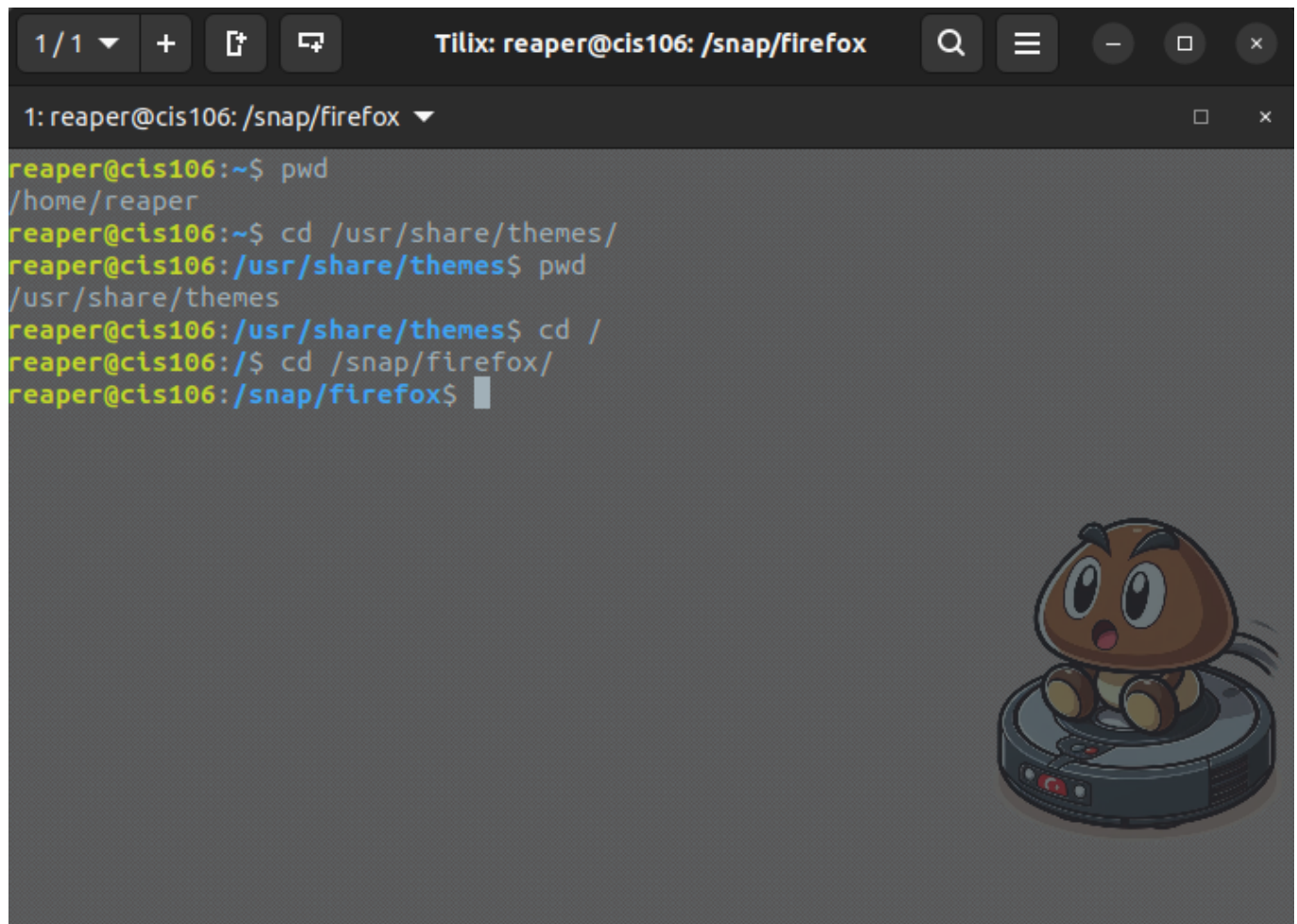


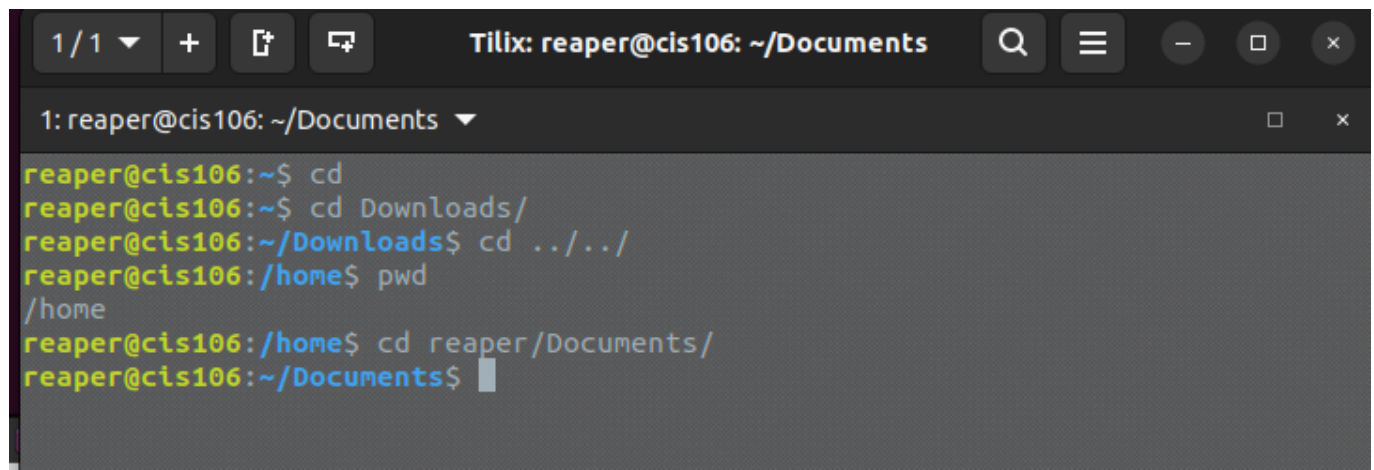
Lab 4

Question 1



A terminal window titled "Tilix: reaper@cis106: /snap/firefox" showing a series of directory navigation commands. The user starts in their home directory, moves to /usr/share/themes, and then to /snap/firefox. A cartoon robot is visible in the bottom right corner of the terminal window.

```
1: reaper@cis106: /snap/firefox ▼  
reaper@cis106:~$ pwd  
/home/reaper  
reaper@cis106:~$ cd /usr/share/themes/  
reaper@cis106:/usr/share/themes$ pwd  
/usr/share/themes  
reaper@cis106:/usr/share/themes$ cd /  
reaper@cis106:/$ cd /snap/firefox/  
reaper@cis106:/snap/firefox$
```



A terminal window titled "Tilix: reaper@cis106: ~/Documents" showing a series of directory navigation commands. The user moves from their home directory to Downloads, then to the parent directory, and finally to ~/Documents.

```
1: reaper@cis106: ~/Documents ▼  
reaper@cis106:~$ cd  
reaper@cis106:~$ cd Downloads/  
reaper@cis106:~/Downloads$ cd ../../  
reaper@cis106:/home$ pwd  
/home  
reaper@cis106:/home$ cd reaper/Documents/  
reaper@cis106:~/Documents$
```

Question 2


```
1/1 ▾ + [ ] [ ]
1: reaper@cis106: ~/lab4files ▾

reaper@cis106:~$ cd /usr/share/
reaper@cis106:/usr/share$ ls ~/lab4files/
countries.json  globe.avi      sample.xls  website.html
csvfile.csv     helloWorld.c  Tux.png
document.docx   Linux.pdf     Ubuntu.pdf

reaper@cis106:/usr/share$ cd ~/lab4files/
bash: cd: /home/reaper/lab4files/: No such file or directory
reaper@cis106:~/lab4files$ ls -lh
total 6.5M
-rw-rw-r-- 1 reaper reaper 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 reaper reaper 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 reaper reaper 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 reaper reaper 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 reaper reaper 76 Feb 22 2022 helloWorld.c
-rw-rw-r-- 1 reaper reaper 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 reaper reaper 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 reaper reaper 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 reaper reaper 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 reaper reaper 135K Feb 22 2022 website.html
reaper@cis106:~/lab4files$ lsreaper@cis106:~/lab4files$ ls -lhs
total 6.5M
-rw-rw-r-- 1 reaper reaper 2.5M Feb 22 2022 Linux.pdf
-rw-rw-r-- 1 reaper reaper 2.1M Feb 22 2022 Ubuntu.pdf
-rw-rw-r-- 1 reaper reaper 747K Feb 22 2022 document.docx
-rw-rw-r-- 1 reaper reaper 726K Feb 22 2022 globe.avi
-rw-rw-r-- 1 reaper reaper 278K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 reaper reaper 135K Feb 22 2022 website.html
-rw-rw-r-- 1 reaper reaper 42K Feb 22 2022 Tux.png
-rw-rw-r-- 1 reaper reaper 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 reaper reaper 8.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 reaper reaper 76 Feb 22 2022 helloWorld.c
reaper@cis106:~/lab4files$ ls -lhSgGi
total 6.5M
1349058 -rw-rw-r-- 1 2.5M Feb 22 2022 Linux.pdf
1349060 -rw-rw-r-- 1 2.1M Feb 22 2022 Ubuntu.pdf
1349063 -rw-rw-r-- 1 747K Feb 22 2022 document.docx
1349064 -rw-rw-r-- 1 726K Feb 22 2022 globe.avi
1349062 -rw-rw-r-- 1 278K Feb 22 2022 csvfile.csv
1349067 -rw-rw-r-- 1 135K Feb 22 2022 website.html
1349059 -rw-rw-r-- 1 42K Feb 22 2022 Tux.png
1349061 -rw-rw-r-- 1 20K Feb 22 2022 countries.json
1349066 -rw-rw-r-- 1 8.5K Feb 22 2022 sample.xls
1349065 -rw-rw-r-- 1 76 Feb 22 2022 helloWorld.c
reaper@cis106:~/lab4files$ ls -Xr
sample.xls  Linux.pdf      document.docx  globe.avi
Tux.png     countries.json csvfile.csv
Ubuntu.pdf  website.html   helloWorld.c
reaper@cis106:~/lab4files$
```

Question 3


```
1/1 ▾ + [ ] [ ]
1: reaper@cis106: ~/scripts ▾

reaper@cis106:~$ cd scripts/
reaper@cis106:~/scripts$ ls
env_var.sh hello.sh lab4_script.sh usr_var.sh
reaper@cis106:~/scripts$ bash lab4_script.sh
The current user is reaper. It's 'home directory is /home/reaper
The current directory is:
/home/reaper/Downloads
The current directory is:
/home/reaper/cis106

All files (including hidden files ) in /
bin, boot, cdrom, dev, etc, home, lib, lib32, lib64, libx32, lost+found, media,
mnt, opt, proc, root, run,/sbin, snap, srv, swapfile, sys, tmp, usr, var

All files (including hidden files ) in /home/reaper
.bash_history, .bash_logout, .bashrc, .cache, cis106, .config, Desktop, .dmrc,
Documents, .dotnet, Downloads, .gitconfig, .gnupg, lab4files, .lessht, .local,
Music, Pictures, .pki, .profile, Public, script_env_var.sh, scripts, script.sh,
snap, .ssh, .sudo_as_admin_successful, Templates, typescript,
'Untitled Document 1', .vboxclient-clipboard-tty2-control.pid,
.vboxclient-clipboard-tty7-control.pid, .vboxclient-clipboard-tty7-service.pid,
.vboxclient-draganddrop-tty2-control.pid,
.vboxclient-draganddrop-tty7-control.pid,
.vboxclient-draganddrop-tty7-service.pid,
.vboxclient-hostversion-tty2-control.pid,
.vboxclient-hostversion-tty7-control.pid, .vboxclient-seamless-tty2-control.pid,
.vboxclient-seamless-tty7-control.pid, .vboxclient-seamless-tty7-service.pid,
.vboxclient-vmsvga-session-tty2-control.pid,
.vboxclient-vmsvga-session-tty7-control.pid,
.vboxclient-vmsvga-session-tty7-service.pid, Videos, .vscode, .Xauthority,
.xsession-errors, .xsession-errors.old

All files (including hidden files ) in /home/reaper/Downloads
code_1.86.1-1707298119_amd64.deb, flathub.flatpakrepo, Games, notes2.md,
pizza.txt

All files (including hidden files ) in /home/reaper/cis106
cheatSheets, fianlProject, .git, labs, notes, weekReports
reaper@cis106:~/scripts$
```

Question 4 (challenge question)

- [Script Source Code](#)

```
Tilix: reaper@cis106: ~/scripts

1: reaper@cis106: ~/scripts ▾

reaper@cis106:~/scripts$ bash challenge_lab4.sh
changing to: /home/reaper/Pictures
changing to: /home/reaper/Videos
Current PWD: /home/reaper/Videos
Previous PWD: /home/reaper/Pictures

Long List of /home/reaper/cis106
total 24K
-rw-rw-r-- 1 221 02/27/2024 challenge_lab3.sh
-rw-rw-r-- 1 301 03/20/2024 challenge_lab4.sh
-rw-rw-r-- 1 180 03/20/2024 env_var.sh
-rw-rw-r-- 1 97 03/02/2024 hello.sh
-rw-rw-r-- 1 639 03/20/2024 lab4_script.sh
-rw-rw-r-- 1 530 03/20/2024 usr_var.sh
reaper@cis106:~/scripts$
```

