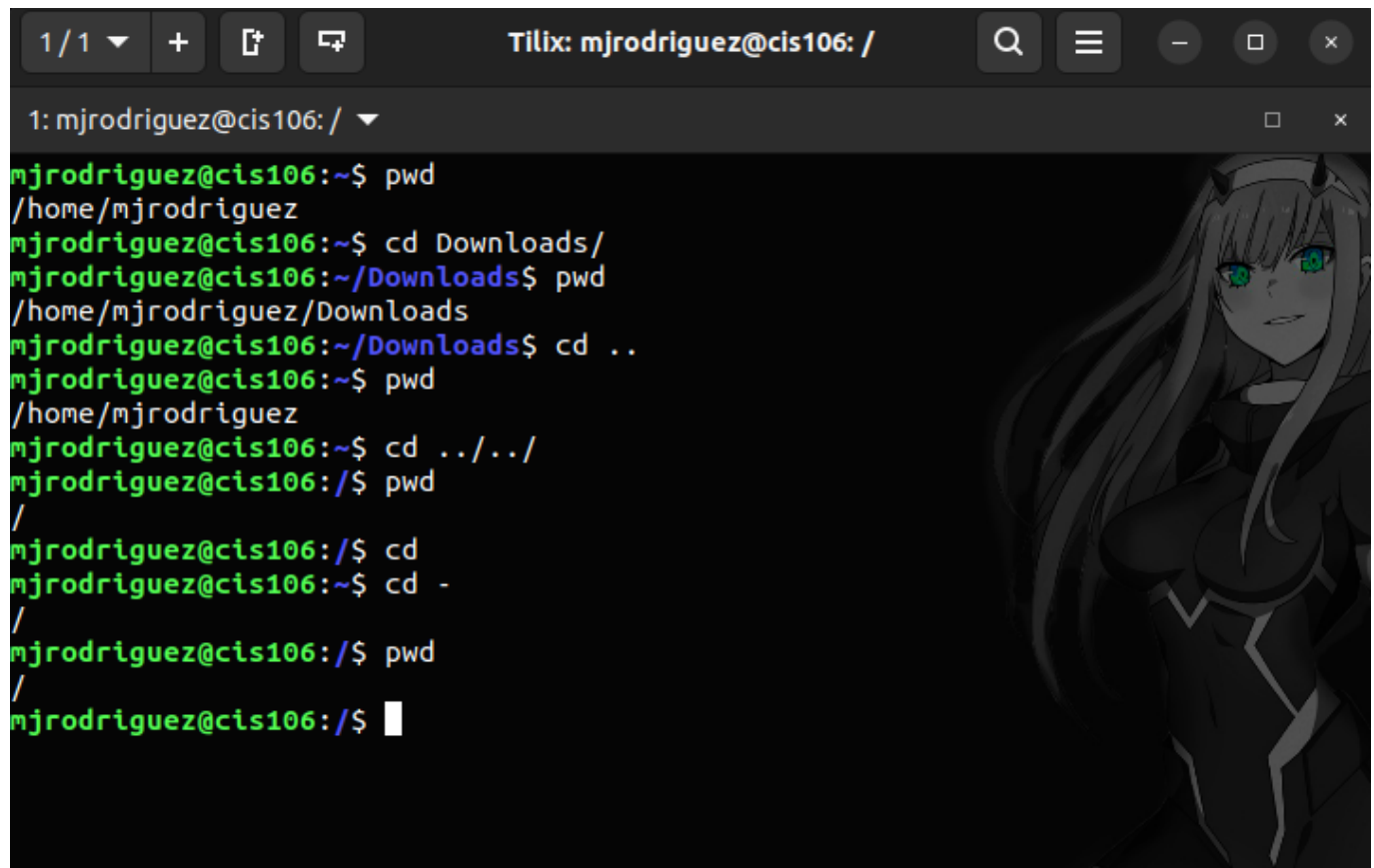


Week Report 4

Practice 1



```
1 / 1 ▾ + [📄] [🔍] Tilix: mjrodriguez@cis106: / 🔍 ☰ - □ ×  
1: mjrodriguez@cis106: / ▾ □ ×  
mjrodriguez@cis106:~$ pwd  
/home/mjrodriguez  
mjrodriguez@cis106:~$ cd Downloads/  
mjrodriguez@cis106:~/Downloads$ pwd  
/home/mjrodriguez/Downloads  
mjrodriguez@cis106:~/Downloads$ cd ..  
mjrodriguez@cis106:~$ pwd  
/home/mjrodriguez  
mjrodriguez@cis106:~$ cd ../../  
mjrodriguez@cis106:/$ pwd  
/  
mjrodriguez@cis106:/$ cd  
mjrodriguez@cis106:~$ cd -  
/  
mjrodriguez@cis106:/$ pwd  
/  
mjrodriguez@cis106:/$
```

The terminal window shows a series of directory navigation commands. The user starts in the home directory, moves to the Downloads directory, then back to the home directory, then to the root directory, and finally back to the home directory. The background of the terminal window features a stylized anime character with long hair and green eyes.

Practice 2

```

1: mjrodriguez@cis106: ~/practicels ▼
mjrodriguez@cis106:~$ tar Jxf practicels.tar.xz
mjrodriguez@cis106:~$ cd practicels/
mjrodriguez@cis106:~/practicels$ ls
book.txt      history-debian.pdf  movie.mp4  song.mp3      tux-penguin.gif
countries.xml  homework.docx       people.csv  tux-nobg.png
mjrodriguez@cis106:~/practicels$ ls-a
ls-a: command not found
mjrodriguez@cis106:~/practicels$ ls -a
.      countries.xml      movie.mp4      tux-nobg.png
..     history-debian.pdf people.csv      tux-penguin.gif
book.txt homework.docx      song.mp3
mjrodriguez@cis106:~/practicels$ ls -l
total 2932
-rw-rw-r-- 1 mjrodriguez mjrodriguez 1043 Feb 27 2022 book.txt
-rw-rw-r-- 1 mjrodriguez mjrodriguez 23972 Feb 27 2022 countries.xml
-rw-rw-r-- 1 mjrodriguez mjrodriguez 163057 Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 mjrodriguez mjrodriguez 111303 Feb 22 2022 homework.docx
-rw-rw-r-- 1 mjrodriguez mjrodriguez 1570024 Feb 27 2022 movie.mp4
-rw-rw-r-- 1 mjrodriguez mjrodriguez 284042 Feb 27 2022 people.csv
-rw-rw-r-- 1 mjrodriguez mjrodriguez 764176 Feb 27 2022 song.mp3
-rw-rw-r-- 1 mjrodriguez mjrodriguez 21314 Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 mjrodriguez mjrodriguez 44299 Jan 31 2020 tux-penguin.gif
mjrodriguez@cis106:~/practicels$ ls -lht
total 2.9M
-rw-rw-r-- 1 mjrodriguez mjrodriguez 24K Feb 27 2022 countries.xml
-rw-rw-r-- 1 mjrodriguez mjrodriguez 278K Feb 27 2022 people.csv
-rw-rw-r-- 1 mjrodriguez mjrodriguez 747K Feb 27 2022 song.mp3
-rw-rw-r-- 1 mjrodriguez mjrodriguez 1.5M Feb 27 2022 movie.mp4
-rw-rw-r-- 1 mjrodriguez mjrodriguez 160K Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 mjrodriguez mjrodriguez 21K Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 mjrodriguez mjrodriguez 1.1K Feb 27 2022 book.txt
-rw-rw-r-- 1 mjrodriguez mjrodriguez 109K Feb 22 2022 homework.docx
-rw-rw-r-- 1 mjrodriguez mjrodriguez 44K Jan 31 2020 tux-penguin.gif
mjrodriguez@cis106:~/practicels$ ls -lhGS
ls: cannot access 'lhgGS': No such file or directory
mjrodriguez@cis106:~/practicels$ ls -lhGS
total 2.9M
-rw-rw-r-- 1 1.5M Feb 27 2022 movie.mp4
-rw-rw-r-- 1 747K Feb 27 2022 song.mp3
-rw-rw-r-- 1 278K Feb 27 2022 people.csv
-rw-rw-r-- 1 160K Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 109K Feb 22 2022 homework.docx
-rw-rw-r-- 1 44K Jan 31 2020 tux-penguin.gif
-rw-rw-r-- 1 24K Feb 27 2022 countries.xml
-rw-rw-r-- 1 21K Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 1.1K Feb 27 2022 book.txt
mjrodriguez@cis106:~/practicels$ ls -mr
tux-penguin.gif, tux-nobg.png, song.mp3, people.csv, movie.mp4, homework.docx,
history-debian.pdf, countries.xml, book.txt
mjrodriguez@cis106:~/practicels$ ls -lX
people.csv
homework.docx
tux-penguin.gif
song.mp3
movie.mp4
history-debian.pdf
tux-nobg.png
book.txt
countries.xml
mjrodriguez@cis106:~/practicels$

```

Challenge Practice

```
1: mjrodriguez@cis106: ~  
mjrodriguez@cis106: /usr/share/themes$ pwd  
/usr/share/themes  
mjrodriguez@cis106: /usr/share/themes$ cd  
mjrodriguez@cis106: ~$ cd /  
mjrodriguez@cis106: ~$ cd /usr/share/themes/  
mjrodriguez@cis106: /usr/share/themes$ cd ../ ../  
bash: cd: too many arguments  
mjrodriguez@cis106: /usr/share/themes$ ls -A -  
bash_history  .dnrc  .local  Public  
bash_logout  .dotnet  Pictures  scripts.sh  
bashrc  .dotnet  Pictures  script.sh  
cache  .dotnet  Pictures  snap  
cis106  .gitconfig  practcels  .ssh  
config  .gnupg  practcels.tar.xz  .sudo_as_admin_successful  
Desktop  .lesslist  profile  Templates  
mjrodriguez@cis106: /usr/share/themes$ cd; ls -lX cis106/  
cheatSheets  finalProject  labs  notes  weekReports  
mjrodriguez@cis106: ~$ ls -lh -  
total 2.2M  
drwxrwxr-x 8 mjrodriguez mjrodriguez 4.0K Feb 27 22:44 cis106  
drwxr-xr-x 2 mjrodriguez mjrodriguez 4.0K Feb 27 20:11 Desktop  
drwxr-xr-x 2 mjrodriguez mjrodriguez 4.0K Feb 8 17:31 Documents  
drwxr-xr-x 2 mjrodriguez mjrodriguez 4.0K Feb 28 11:11 Downloads  
drwxr-xr-x 2 mjrodriguez mjrodriguez 4.0K Feb 8 15:15 Music  
drwxr-xr-x 3 mjrodriguez mjrodriguez 4.0K Feb 27 19:57 Pictures  
drwxrwxr-x 2 mjrodriguez mjrodriguez 4.0K Feb 27 2022 practcels  
-rw-rw-r-- 1 mjrodriguez mjrodriguez 2.2M Mar 19 20:11 practcels.tar.xz  
drwxr-xr-x 2 mjrodriguez mjrodriguez 4.0K Feb 8 15:15 Public  
drwxrwxr-x 2 mjrodriguez mjrodriguez 4.0K Mar 2 14:31 scripts  
-rw-rw-r-- 1 mjrodriguez mjrodriguez 329 Feb 8 15:47 script.sh  
drwx----- 5 mjrodriguez mjrodriguez 4.0K Mar 2 14:57 snap  
drwxr-xr-x 2 mjrodriguez mjrodriguez 4.0K Feb 8 15:15 Templates  
-rw-rw-r-- 1 mjrodriguez mjrodriguez 3.0K Feb 28 12:22 Untitled Document 1'  
drwxr-xr-x 2 mjrodriguez mjrodriguez 4.0K Feb 8 15:15 Videos  
mjrodriguez@cis106: ~$ ls -lgG --full-time -  
ls: invalid option -- 'G'  
Try 'ls --help' for more information.  
mjrodriguez@cis106: ~$ ls -lgG --full-time -  
total 2236  
drwxrwxr-x 8 4096 2024-02-27 22:44:58.388898103 -0500 cis106  
drwxr-xr-x 2 4096 2024-02-27 20:11:50.912205738 -0500 Desktop  
drwxr-xr-x 2 4096 2024-02-28 17:31:20.475830784 -0500 Documents  
drwxr-xr-x 2 4096 2024-02-28 11:11:33.721879684 -0500 Downloads  
drwxr-xr-x 2 4096 2024-02-08 15:15:08.640667516 -0500 Music  
drwxr-xr-x 3 4096 2024-02-27 19:57:46.634302279 -0500 Pictures  
drwxrwxr-x 2 4096 2022-02-27 13:46:18.080008000 -0500 practcels  
-rw-rw-r-- 1 2229212 2024-03-19 20:11:19.080008000 -0400 practcels.tar.xz  
drwxr-xr-x 2 4096 2024-02-08 15:15:08.640667516 -0500 Public  
drwxrwxr-x 2 4096 2024-03-02 14:31:33.142981651 -0500 scripts  
-rw-rw-r-- 1 329 2024-02-08 15:47:54.290468362 -0500 script.sh  
drwx----- 5 4096 2024-03-02 14:57:21.226592085 -0500 snap  
drwxr-xr-x 2 4096 2024-02-08 15:15:08.640667516 -0500 Templates  
-rw-rw-r-- 1 2973 2024-02-28 12:22:24.598375472 -0500 'Untitled Document 1'  
drwxr-xr-x 2 4096 2024-02-08 15:15:08.640667516 -0500 Videos  
mjrodriguez@cis106: ~$
```

Practice 3

```
Open [ ] env_var.sh  
~/scripts  
1 #!/bin/bash  
2 echo "The Current User: $USER"  
3 echo "The Current Shell: $SHELL"  
4 echo "ThenCurrent's User Home: $HOME"  
5 echo -e "The Path Var: \n $PATH" # want the path in a single line  
Tilix: mjrodriguez@cis106: ~  
1: mjrodriguez@cis106: ~  
bash: script/: No such file or directory  
mjrodriguez@cis106: ~$ bash script  
/usr/bin/script: /usr/bin/script: cannot execute binary file  
mjrodriguez@cis106: ~$ bash scripts/env_var.sh  
The Current User: mjrodriguez  
The Current Shell: /bin/bash  
ThenCurrent's User Home: /home/mjrodriguez  
The Path Var:  
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin  
mjrodriguez@cis106: ~$
```

Practice 4

```
Open [ ] usr_var.sh  
~/scripts  
1 #!/bin/bash  
2 # This is a comment. This will not execute.  
3 # Comments are added for humans to read!  
4 # They help debug code!  
5 # -----  
6 # Variables that store age, name, email, and phone number  
7 names="bob"  
8 age="45"  
9 email="bob@gmail.com"  
10 phone="987-852-1231"  
11  
12 #Display the users info  
13 echo -e "\tUsers Information"  
14 echo -e "\t-----"  
15 echo -e "\tName: \t$name" #added a tab for presentation  
16 echo -e "\tAge: \t$age"  
17 echo -e "\tEmail: \t$email"  
18 echo -e "\tPhone: \t$phone" #This will give an error! Var are case sensitive  
Tilix: mjrodriguez@cis106: ~  
1: mjrodriguez@cis106: ~  
mjrodriguez@cis106: ~$ bash scripts/usr_var.sh  
Users Information  
-----  
Name: bob  
Age: 45  
Email: bob@gmail.com  
Phone: 987-852-1231  
mjrodriguez@cis106: ~$ bash scripts/usr_var.sh  
Users Information  
-----  
Name: bob  
Age: 45  
Email: bob@gmail.com  
Phone: 987-852-1231  
mjrodriguez@cis106: ~$ bash scripts/usr_var.sh  
Users Information  
-----  
Name: bob  
Age: 45  
Email: bob@gmail.com  
Phone: 987-852-1231  
mjrodriguez@cis106: ~$ bash scripts/usr_var.sh  
Users Information  
-----  
Name: bob  
Age: 45  
Email: bob@gmail.com  
Phone: 987-852-1231  
mjrodriguez@cis106: ~$
```