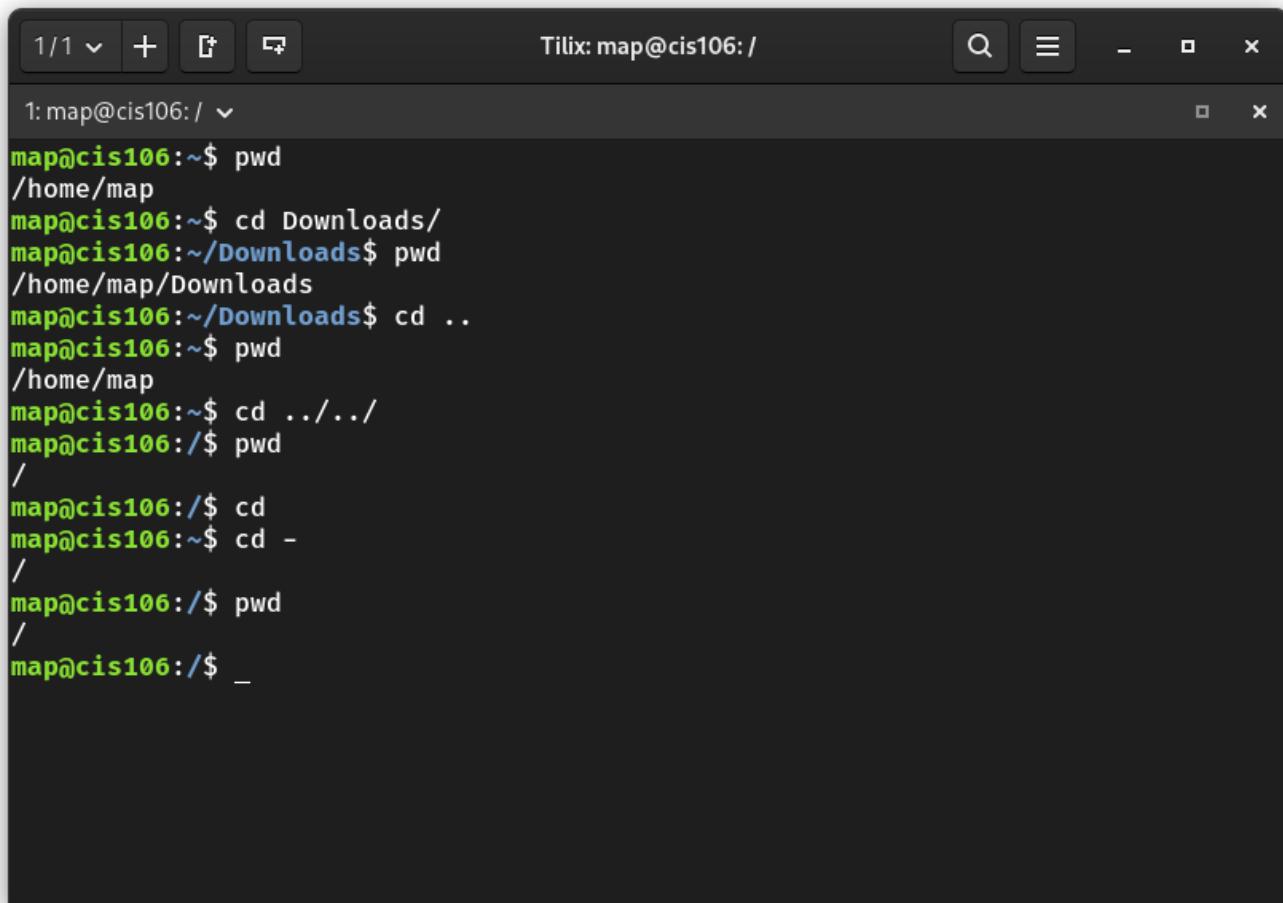


Week Report 5

Linux Filesystem

Practice 1



The screenshot shows a terminal window titled "Tilix: map@cis106: /". The terminal window has a dark background and light-colored text. It displays a command-line session where the user navigates through their home directory and its subdirectories using the `cd` command, and then uses the `pwd` command to print the current working directory path.

```
1: map@cis106: / ~
map@cis106:~$ pwd
/home/map
map@cis106:~$ cd Downloads/
map@cis106:~/Downloads$ pwd
/home/map/Downloads
map@cis106:~/Downloads$ cd ..
map@cis106:~$ pwd
/home/map
map@cis106:~$ cd ../../..
map@cis106:/$ pwd
/
map@cis106:/$ cd -
/
map@cis106:/$ pwd
/
map@cis106:/$ _
```

Practice 2

```
1/1 + ⌂ ⌂ Tilix: map@cis106: ~/practicels Q ⌂ - ⌂ ×  
1: map@cis106: ~/practicels  
  
map@cis106:~/practicels$ ls  
book.txt      history-debian.pdf  movie.mp4   song.mp3      tux-penguin.gif  
countries.xml  homework.docx     people.csv   tux-nobg.png  
map@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  
map@cis106:~/practicels$ ls -l  
total 2932  
-rw-rw-r-- 1 map map 1043 Feb 27 2022 book.txt  
-rw-rw-r-- 1 map map 23972 Feb 27 2022 countries.xml  
-rw-rw-r-- 1 map map 163057 Feb 27 2022 history-debian.pdf  
-rw-rw-r-- 1 map map 111303 Feb 22 2022 homework.docx  
-rw-rw-r-- 1 map map 1570024 Feb 27 2022 movie.mp4  
-rw-rw-r-- 1 map map 284042 Feb 27 2022 people.csv  
-rw-rw-r-- 1 map map 764176 Feb 27 2022 song.mp3  
-rw-rw-r-- 1 map map 21314 Feb 27 2022 tux-nobg.png  
-rw-rw-r-- 1 map map 44299 Jan 31 2020 tux-penguin.gif  
map@cis106:~/practicels$ ls -lh  
total 2.9M  
-rw-rw-r-- 1 map map 1.1K Feb 27 2022 book.txt  
-rw-rw-r-- 1 map map 24K Feb 27 2022 countries.xml  
-rw-rw-r-- 1 map map 160K Feb 27 2022 history-debian.pdf  
-rw-rw-r-- 1 map map 109K Feb 22 2022 homework.docx
```

```
1/1 + ⌂ ⌂ Tilix: map@cis106: ~/practicels Q ⌂ - ⌂ ×  
1: map@cis106: ~/practicels  
  
-rw-rw-r-- 1 map map 1.5M Feb 27 2022 movie.mp4  
-rw-rw-r-- 1 map map 278K Feb 27 2022 people.csv  
-rw-rw-r-- 1 map map 747K Feb 27 2022 song.mp3  
-rw-rw-r-- 1 map map 21K Feb 27 2022 tux-nobg.png  
-rw-rw-r-- 1 map map 44K Jan 31 2020 tux-penguin.gif  
map@cis106:~/practicels$ ls -lht  
total 2.9M  
-rw-rw-r-- 1 map map 24K Feb 27 2022 countries.xml  
-rw-rw-r-- 1 map map 278K Feb 27 2022 people.csv  
-rw-rw-r-- 1 map map 747K Feb 27 2022 song.mp3  
-rw-rw-r-- 1 map map 1.5M Feb 27 2022 movie.mp4  
-rw-rw-r-- 1 map map 160K Feb 27 2022 history-debian.pdf  
-rw-rw-r-- 1 map map 21K Feb 27 2022 tux-nobg.png  
-rw-rw-r-- 1 map map 1.1K Feb 27 2022 book.txt  
-rw-rw-r-- 1 map map 109K Feb 22 2022 homework.docx  
-rw-rw-r-- 1 map map 44K Jan 31 2020 tux-penguin.gif  
map@cis106:~/practicels$ ls -lhGGS  
total 2.9M  
4.0K -rw-rw-r-- 1 1.1K Feb 27 2022 book.txt  
24K -rw-rw-r-- 1 24K Feb 27 2022 countries.xml  
160K -rw-rw-r-- 1 160K Feb 27 2022 history-debian.pdf  
112K -rw-rw-r-- 1 109K Feb 22 2022 homework.docx  
1.5M -rw-rw-r-- 1 1.5M Feb 27 2022 movie.mp4  
280K -rw-rw-r-- 1 278K Feb 27 2022 people.csv
```

The screenshot shows a terminal window titled "Tilix: map@cis106: ~/practicels". The window has standard Linux-style window controls at the top right. The terminal content displays the following command-line session:

```
1: map@cis106: ~/practicels
total 2.9M
4.0K -rw-rw-r-- 1 1.1K Feb 27 2022 book.txt
24K -rw-rw-r-- 1 24K Feb 27 2022 countries.xml
160K -rw-rw-r-- 1 160K Feb 27 2022 history-debian.pdf
112K -rw-rw-r-- 1 109K Feb 22 2022 homework.docx
1.5M -rw-rw-r-- 1 1.5M Feb 27 2022 movie.mp4
280K -rw-rw-r-- 1 278K Feb 27 2022 people.csv
748K -rw-rw-r-- 1 747K Feb 27 2022 song.mp3
24K -rw-rw-r-- 1 21K Feb 27 2022 tux-nobg.png
44K -rw-rw-r-- 1 44K Jan 31 2020 tux-penguin.gif
map@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
map@cis106:~/practicels$ ls -1X
people.csv
homework.docx
tux-penguin.gif
song.mp3
movie.mp4
history-debian.pdf
tux-nobg.png
book.txt
countries.xml
map@cis106:~/practicels$ _
```

Practice 3

```
1/1 + ⌂ ⌂ Tilix: map@cis106: ~ Q - ⌂ x  
1: map@cis106: ~  
map@cis106:~$ pwd  
/home/map  
map@cis106:~$ cd  
map@cis106:~$ cd /  
map@cis106:/$ cd user/share/themes  
bash: cd: user/share/themes: No such file or directory  
map@cis106:/$ cd ../../  
map@cis106:/$ ls -A ~  
.bash_aliases           Music  
.bash_history            Pictures  
.bash_logout             .pki  
.bashrc                  practicels  
.cache                   .profile  
cis106                   Public  
colors                   scripts  
.config                  snap  
Desktop                 snapshots  
Documents                .ssh  
.dotnet                  .sudo_as_admin_successful  
Downloads               Templates  
essentials.sh           .vboxclient-clipboard-tty2-control.pid  
.face                   .vboxclient-clipboard-tty2-service.pid  
.face.icon               .vboxclient-draganddrop-tty2-control.pid  
.fonts                  .vboxclient-hostversion-tty2-control.pid
```

```
1/1 + ⌂ ⌂ ⌂ Tilix: map@cis106: ~ Q - ⌂ x  
1: map@cis106: ~  
.gitconfig               .vboxclient-seamless-tty2-control.pid  
'git config global user.txt' .vboxclient-vmsvga-session-tty2-control.pid  
.gnupg                  .vboxclient-vmsvga-session-tty2-service.pid  
.local                  Videos  
marstenHouse             .vscode  
marstenhouse.sh          vscode.sh  

```

```
1/1 + ⌂ ⌂ Tilix: map@cis106: ~ Q - ⌂ x
1: map@cis106: ~
wr3.pdf  practice9.png  practice7.png  practice5.png  practice3.png
wr3.md   practice8.png  practice6.png  practice4.png  practice10.png

/home/map/cis106/week_reports/wr2:
wr2.pdf  wr2.md  debiandesktop.png

/home/map/cis106/week_reports/wr1:
wr1.pdf  wr1.md  slackScreenShot.png  github.png

/home/map/cis106/notes:
notes5  notes4  notes3  notes2  notes1

/home/map/cis106/notes/notes5:
notes5.pdf  notes5.md

/home/map/cis106/notes/notes4:
'Screenshot from 2025-10-18 15-29-05.png'  example3.png  example1.png
notes4.md                           example2.png

/home/map/cis106/notes/notes3:
notes3.pdf  notes3.md

/home/map/cis106/notes/notes2:
notes2.pdf  notes2.md
```

```
1/1 + ⌂ ⌂ Tilix: map@cis106: ~ Q - ⌂ x
1: map@cis106: ~
map@cis106:~$ ls -lh ~
total 88K
drwxrwxr-x  7 map map  4.0K Sep 20 14:11  cis106
drwxrwxr-x  3 map map  4.0K Oct 30 18:03  colors
drwxr-xr-x  2 map map  4.0K Sep 15 17:03  Desktop
drwxr-xr-x  3 map map  4.0K Oct 30 18:37  Documents
drwxr-xr-x  3 map map  4.0K Nov  2 17:25  Downloads
-rw-rw-r--  1 map map  7.6K Sep 10 10:41  essentials.sh
-rw-rw-r--  1 map map  279 Sep 20 14:14  'git config global user.txt'
drwxrwxr-x  3 map map  4.0K Nov  2 14:51  marstenHouse
-rw-rw-r--  1 map map  3.4K Oct 29 14:47  marstenhouse.sh
drwxrwxr-x  9 map map  4.0K Oct 23 18:49  movies_from_80s
drwxr-xr-x  2 map map  4.0K Sep 15 17:03  Music
drwxr-xr-x  4 map map  4.0K Oct 12 19:50  Pictures
drwxrwxr-x  2 map map  4.0K Feb 27  2022  practicels
drwxr-xr-x  2 map map  4.0K Sep 15 17:03  Public
drwxrwxr-x  2 map map  4.0K Oct 23 18:43  scripts
drwx----- 3 map map  4.0K Oct 12 19:34  snap
drwxrwxr-x  4 map map  4.0K Oct 30 18:00  snapshots
drwxr-xr-x  2 map map  4.0K Sep 15 17:03  Templates
drwxr-xr-x  2 map map  4.0K Sep 15 17:03  Videos
-rw-rw-r--  1 map map  2.5K Sep 10 10:41  vscode.sh
drwxrwxr-x  2 map map  4.0K Oct 23 18:44  wallpapers
map@cis106:~$ ls -lgG -full-time ~
```

The screenshot shows a terminal window titled "Tilix: map@cis106: ~". The terminal displays the following command and its output:

```
1: map@cis106: ~
drwxr-xr-x 2 map map 4.0K Sep 15 17:03 Templates
drwxr-xr-x 2 map map 4.0K Sep 15 17:03 Videos
-rwxrwxr-x 1 map map 2.5K Sep 10 10:41 vscode.sh
drwxrwxr-x 2 map map 4.0K Oct 23 18:44 wallpapers
map@cis106:~$ ls -lgG -full-time ~
ls: invalid option -- '_'
Try 'ls --help' for more information.
map@cis106:~$ ls -lgG --full-time ~
total 88
drwxrwxr-x 7 4096 2025-09-20 14:11:22.839392720 -0400 cis106
drwxrwxr-x 3 4096 2025-10-30 18:03:15.184187779 -0400 colors
drwxr-xr-x 2 4096 2025-09-15 17:03:46.907998959 -0400 Desktop
drwxr-xr-x 3 4096 2025-10-30 18:37:03.393702419 -0400 Documents
drwxr-xr-x 3 4096 2025-11-02 17:25:07.970909361 -0500 Downloads
-rwxrwxr-x 1 7747 2025-09-10 10:41:54.000000000 -0400 essentials.sh
-rw-rw-r-- 1 279 2025-09-20 14:14:04.660264811 -0400 'git config global user.tx
t'
drwxrwxr-x 3 4096 2025-11-02 14:51:24.109496639 -0500 marstenHouse
-rw-rw-r-- 1 3407 2025-10-29 14:47:36.000000000 -0400 marstenhouse.sh
drwxrwxr-x 9 4096 2025-10-23 18:49:11.319084177 -0400 movies_from_80s
drwxr-xr-x 2 4096 2025-09-15 17:03:46.907998959 -0400 Music
drwxr-xr-x 4 4096 2025-10-12 19:50:45.596082984 -0400 Pictures
drwxrwxr-x 2 4096 2022-02-27 13:46:18.000000000 -0500 practicels
drwxr-xr-x 2 4096 2025-09-15 17:03:46.907998959 -0400 Public
drwxrwxr-x 2 4096 2025-10-23 18:43:31.641344125 -0400 scripts
drwx----- 3 4096 2025-10-12 19:34:51.957173429 -0400 snap
drwxrwxr-x 4 4096 2025-10-30 18:00:43.996637989 -0400 snapshots
drwxr-xr-x 2 4096 2025-09-15 17:03:46.907998959 -0400 Templates
drwxr-xr-x 2 4096 2025-09-15 17:03:46.907998959 -0400 Videos
-rwxrwxr-x 1 2501 2025-09-10 10:41:54.000000000 -0400 vscode.sh
drwxrwxr-x 2 4096 2025-10-23 18:44:47.431217011 -0400 wallpapers
map@cis106:~$ _
```

Shell Scripting Chapter 2

Practice 2

```
1/1 + ⌂ ⌂ Tilix: map@cis106: ~ Q ⌂ - ⌂ ×  
1: map@cis106: ~  
  
VTE_VERSION=8001  
WAYLAND_DISPLAY=wayland-0  
INVOCATION_ID=5d049a01cca24f5bb76d1dd3c1938387  
MANAGERPID=2444  
GNOME_SETUP_DISPLAY=:1  
XDG_SESSION_CLASS=user  
TERM=xterm-256color  
USER=map  
DISPLAY=:0  
SHLVL=1  
QT_IM_MODULE=ibus  
DBUS_STARTER_ADDRESS=unix:path=/run/user/1000/bus, guid=a08b189ccb21fdf6e5ef902b6  
907af8c  
TILIX_ID=e297756f-95f5-4df4-9a91-f16b38f46c78  
XDG_RUNTIME_DIR=/run/user/1000  
JOURNAL_STREAM=9:14799  
XDG_DATA_DIRS=/var/lib/flatpak/exports/share:/home/map/.local/share/flatpak/expo  
rts/share:/usr/share/gnome:/home/map/.local/share/flatpak/exports/share:/var/lib  
/flatpak/exports/share:/usr/local/share/:/usr/share/:/var/lib/snapd/desktop  
PATH=/usr/local/bin:/usr/bin:/bin:/usr/local/games:/usr/games:/snap/bin:/usr/bin  
GDMSESSION=gnome  
DBUS_SESSION_BUS_ADDRESS=unix:path=/run/user/1000/bus, guid=a08b189ccb21fdf6e5ef9  
02b6907af8c  
_= /usr/bin/env  
OLDPWD=/  
map@cis106:~$ bash ~/scripts/script_env_var.sh  
The Current User: map  
The Current Shell: /bin/bash  
The Current's User Home: /home/map  
The Path Var:  
/usr/local/bin:/usr/bin:/bin:/usr/local/games:/usr/games:/snap/bin:/usr/bin  
map@cis106:~$ _
```

```
1/1 + ⌂ ⌂ Tilix: map@cis106: ~ Q ⌂ - ⌂ ×  
1: map@cis106: ~  
  
map@cis106:~$ bash scripts/usr_var.sh  
Users Information  
-----  
Name: bob  
Age: 45  
Email: bob@email.com  
Phone: 987-852-1231  
map@cis106:~$ _
```

