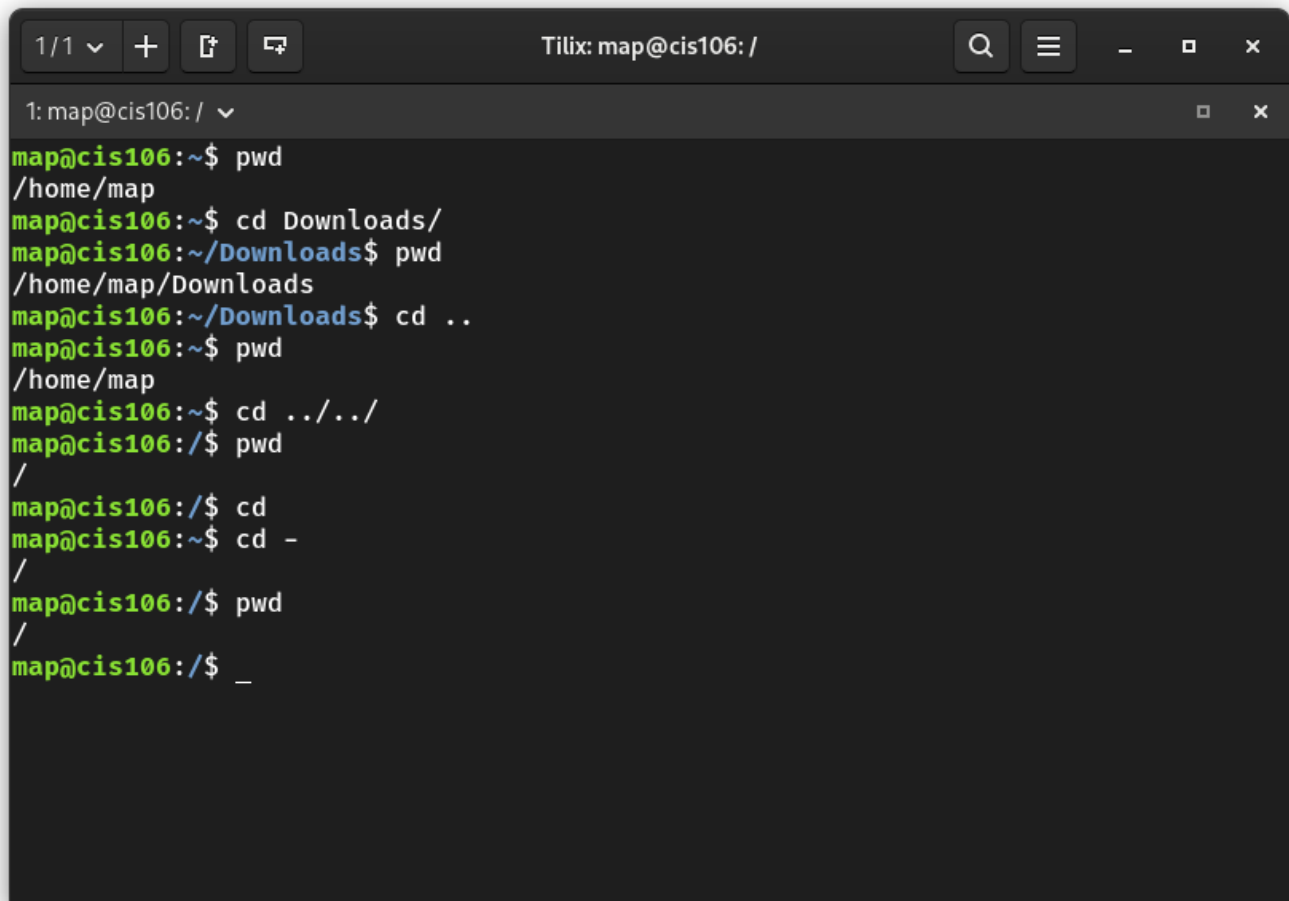


Week Report 5

Linux Filesystem

Practice 1



```
1/1  +  [icon]  [icon]  Tilix: map@cis106: /  [search] [menu] [window controls]
1: map@cis106: /  [close]
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:~$ cd -
/
map@cis106:/$ pwd
/
map@cis106:/$ _
```

Practice 2

```

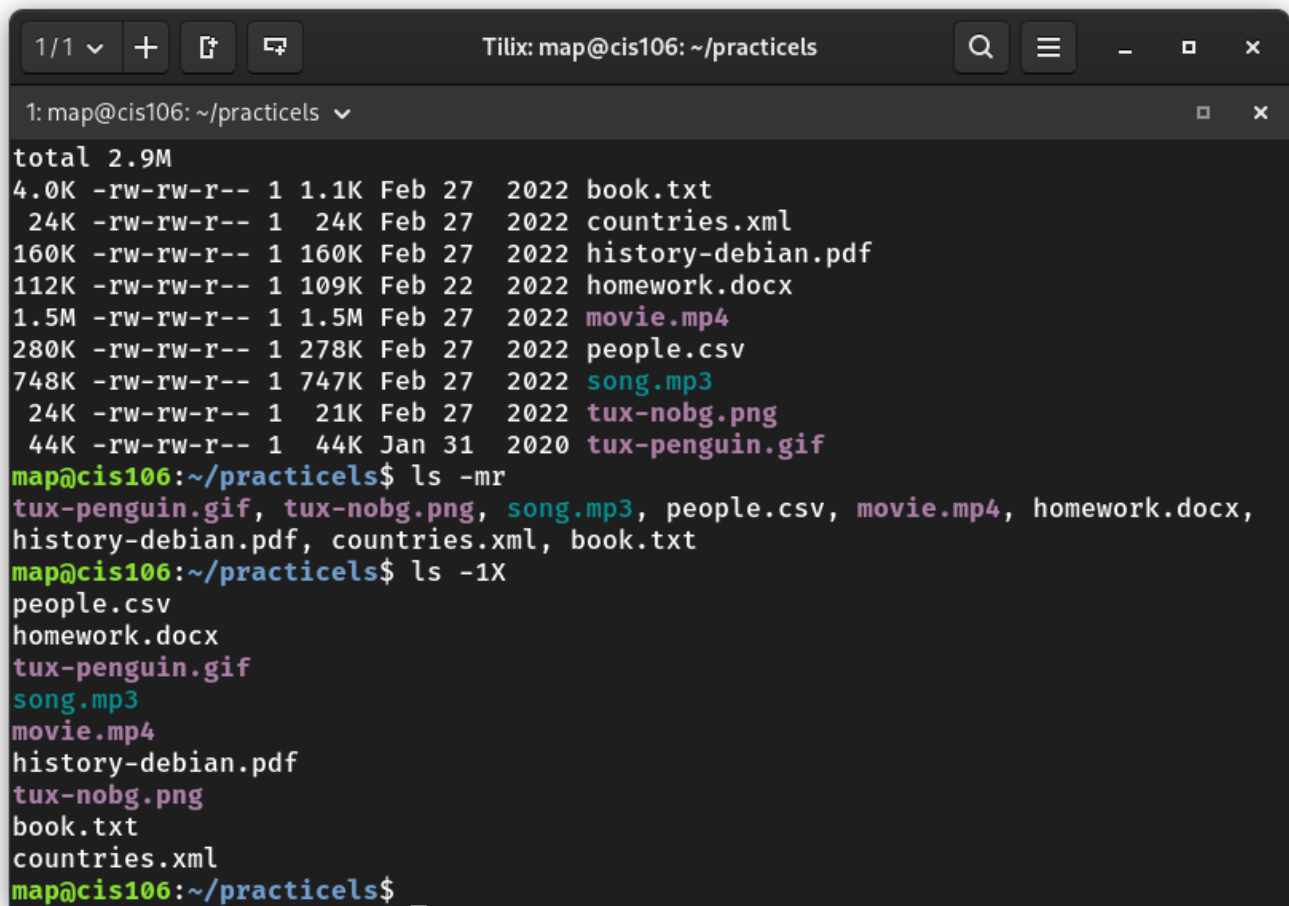
1/1  +  [ ] [ ] Tilix: map@cis106: ~/practicels  [ ] [ ] [ ] [ ]
1: map@cis106: ~/practicels  [ ] [ ] [ ] [ ]
map@cis106:~/practicels$ ls
book.txt      history-debian.pdf  movie.mp4      song.mp3      tux-penguin.gif
countries.xml  homework.docx       people.csv     tux-nobg.png
map@cis106:~/practicels$ 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  [ ] [ ] [ ] [ ]
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 -lhG
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

```



```
1/1 + [icons] Tilix: map@cis106: ~/practicels [search] [menu] [window controls]
1: map@cis106: ~/practicels [close]
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 -lX
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: ~
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: ~
1: map@cis106: ~
.gitconfig          .vboxclient-seamless-tty2-control.pid
'git config global user.txt'
.gnupg              .vboxclient-vmvga-session-tty2-control.pid
.local              .vboxclient-vmvga-session-tty2-service.pid
marstenHouse        Videos
marstenhouse.sh     .vscode
movies_from_80s     vscode.sh
.mozilla            wallpapers
                    .wget-hsts
map@cis106:/$ cd; ls -tX cis106/
cheats  labs  notes  week_reports
map@cis106:~$ ls -rR ~/cis106/
/home/map/cis106/:
week_reports  notes  labs  cheats

/home/map/cis106/week_reports:
wr5  wr4  wr3  wr2  wr1

/home/map/cis106/week_reports/wr5:
wr5.md  practice2.3.png  practice2.2.png  practice2.1.png  practice1.png

/home/map/cis106/week_reports/wr4:
wr4.pdf  wr4.md  practice2.png  practice1.png

/home/map/cis106/week_reports/wr3:

```

```

1/1  +  [ ]  [ ]  Tilix: map@cis106: ~  [ ]  [ ]  [ ]
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: ~  [ ]  [ ]  [ ]
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
-rwxrwxr-x 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
-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 ~

```

```
1/1 + [ ] [ ] Tilix: map@cis106: ~ [Q] [≡] [-] [□] [x]

1: map@cis106: ~ [□] [x]

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: ~
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=a08b189ccb21fdf6e5ef902b6907af8c
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/exports/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=a08b189ccb21fdf6e5ef902b6907af8c
_=/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: ~
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:~$ _
```

