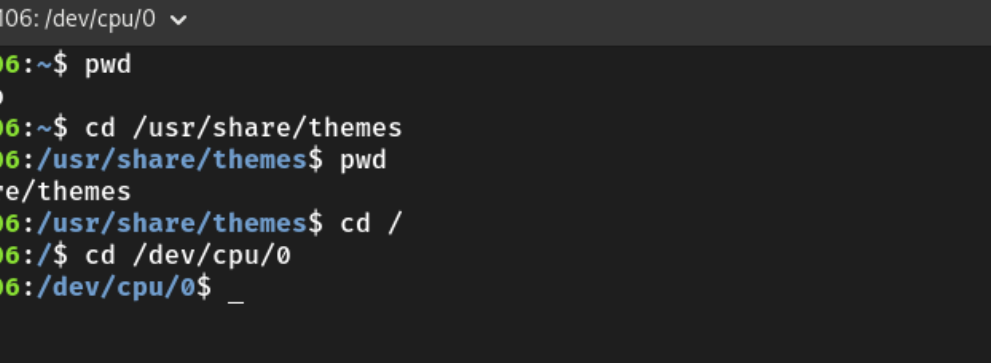


Lab 5

Q1



The screenshot shows a terminal window with a dark background. The title bar at the top reads "Tilix: map@cis106: /dev/cpu/0". Below the title bar, the terminal content shows a series of commands and their outputs:

```
map@cis106:~$ pwd
/home/map
map@cis106:~$ cd /usr/share/themes
map@cis106:/usr/share/themes$ pwd
/usr/share/themes
map@cis106:/usr/share/themes$ cd /
map@cis106:/$ cd /dev/cpu/0
map@cis106:/dev/cpu/0$ _
```

```
1/1 ▾ + [F] [C] Tilix: map@cis106: ~/Documents
1: map@cis106: ~/Documents ▾
map@cis106:/dev/cpu/0$ cd
map@cis106:~$ ls
cis106      Downloads      Music          snap           vscode.sh
colors      essentials.sh  Pictures       snapshots      wallpapers
Desktop     'git config global user.txt' Public          Templates
Documents   movies_from_80s scripts        Videos
map@cis106:~$ cd Downloads/
map@cis106:~/Downloads$ cd ../../
map@cis106:/home$ pwd
/home
map@cis106:/home$ cd Documents/
bash: cd: Documents/: No such file or directory
map@cis106:/home$ cd Documents
bash: cd: Documents: No such file or directory
map@cis106:/home$ cd student/Documents/
bash: cd: student/Documents/: No such file or directory
map@cis106:/home$ cd documents/
bash: cd: documents/: No such file or directory
map@cis106:/home$ cd /Documents
bash: cd: /Documents: No such file or directory
map@cis106:/home$ ls
map
map@cis106:/home$ cd map/Documents
map@cis106:~/Documents$
```

Q2

```

1/1 v + [ ] [ ] Tilix: map@cis106: ~/lab5files
1: map@cis106: ~/lab5files v
map@cis106:~$ cd /usr/share/
map@cis106:~/usr/share$ ls -A ~/lab5files
countries.json document.docx helloworld.c sample.xls ubuntu.pdf
csvfile.csv globe.avi linux.pdf tux.png website.html
map@cis106:~/usr/share$ cd ~/lab5files/
map@cis106:~/lab5files$ ls -lh
total 6.5M
-rw-rw-r-- 1 map map 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 map map 270K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 map map 767K Feb 22 2022 document.docx
-rw-rw-r-- 1 map map 226K Feb 22 2022 globe.avi
-rw-rw-r-- 1 map map 76 Feb 22 2022 helloworld.c
-rw-rw-r-- 1 map map 2.5M Feb 22 2022 linux.pdf
-rw-rw-r-- 1 map map 6.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 map map 42K Feb 22 2022 tux.png
-rw-rw-r-- 1 map map 2.5M Feb 22 2022 ubuntu.pdf
-rw-rw-r-- 1 map map 155K Feb 22 2022 website.html
map@cis106:~/lab5files$ ls -lso
total 6.5M
-rw-rw-r-- 1 map map 2.5M Feb 22 2022 linux.pdf
-rw-rw-r-- 1 map map 2.5M Feb 22 2022 ubuntu.pdf
-rw-rw-r-- 1 map map 767K Feb 22 2022 document.docx
-rw-rw-r-- 1 map map 226K Feb 22 2022 globe.avi
-rw-rw-r-- 1 map map 270K Feb 22 2022 csvfile.csv
-rw-rw-r-- 1 map map 155K Feb 22 2022 website.html
-rw-rw-r-- 1 map map 42K Feb 22 2022 tux.png
-rw-rw-r-- 1 map map 20K Feb 22 2022 countries.json
-rw-rw-r-- 1 map map 6.5K Feb 22 2022 sample.xls
-rw-rw-r-- 1 map map 76 Feb 22 2022 helloworld.c
map@cis106:~/lab5files$ ls -lhdg
total 6.5M
1057622 -rw-rw-r-- 1 2.5M Feb 22 2022 linux.pdf
1057623 -rw-rw-r-- 1 2.5M Feb 22 2022 ubuntu.pdf
1057624 -rw-rw-r-- 1 767K Feb 22 2022 document.docx
1057625 -rw-rw-r-- 1 226K Feb 22 2022 globe.avi
1057627 -rw-rw-r-- 1 270K Feb 22 2022 csvfile.csv
1057630 -rw-rw-r-- 1 155K Feb 22 2022 website.html
1057632 -rw-rw-r-- 1 42K Feb 22 2022 tux.png
1057629 -rw-rw-r-- 1 20K Feb 22 2022 countries.json
1057631 -rw-rw-r-- 1 6.5K Feb 22 2022 sample.xls
1057628 -rw-rw-r-- 1 76 Feb 22 2022 helloworld.c
map@cis106:~/lab5files$ ls -lhdg
total 6.5M
1057622 -rw-rw-r-- 1 2.5M Feb 22 2022 linux.pdf
1057623 -rw-rw-r-- 1 2.5M Feb 22 2022 ubuntu.pdf
1057624 -rw-rw-r-- 1 767K Feb 22 2022 document.docx
1057625 -rw-rw-r-- 1 226K Feb 22 2022 globe.avi
1057627 -rw-rw-r-- 1 270K Feb 22 2022 csvfile.csv
1057630 -rw-rw-r-- 1 155K Feb 22 2022 website.html
1057632 -rw-rw-r-- 1 42K Feb 22 2022 tux.png
1057629 -rw-rw-r-- 1 20K Feb 22 2022 countries.json
1057631 -rw-rw-r-- 1 6.5K Feb 22 2022 sample.xls
1057628 -rw-rw-r-- 1 76 Feb 22 2022 helloworld.c
map@cis106:~/lab5files$ ls -x
sample.xls ubuntu.pdf countries.json document.docx helloworld.c
tux.png linux.pdf website.html csvfile.csv globe.avi
map@cis106:~/lab5files$

```

Q3

```

1/1 v + [ ] [ ] Tilix: map@cis106: ~/marstenHouse/guest_room
1: map@cis106: ~/marstenHouse/guest_room v
map@cis106:~/marstenHouse$ tree -a
.
├── guest_room
│   ├── .key3
│   └── .key4
├── .key1
├── .key2
└── .key5

2 directories, 5 files
map@cis106:~/marstenHouse$ cd guest_room
map@cis106:~/marstenHouse/guest_room$ ls -a
. . . .key3 .key4
map@cis106:~/marstenHouse/guest_room$ realpath .key1
/home/map/marstenHouse/guest_room/.key1
map@cis106:~/marstenHouse/guest_room$ realpath .key2
/home/map/marstenHouse/guest_room/.key2
map@cis106:~/marstenHouse/guest_room$ realpath .key3
/home/map/marstenHouse/guest_room/.key3
map@cis106:~/marstenHouse/guest_room$ realpath .key4
/home/map/marstenHouse/guest_room/.key4
map@cis106:~/marstenHouse/guest_room$ realpath .key5
/home/map/marstenHouse/guest_room/.key5
map@cis106:~/marstenHouse/guest_room$ _

```