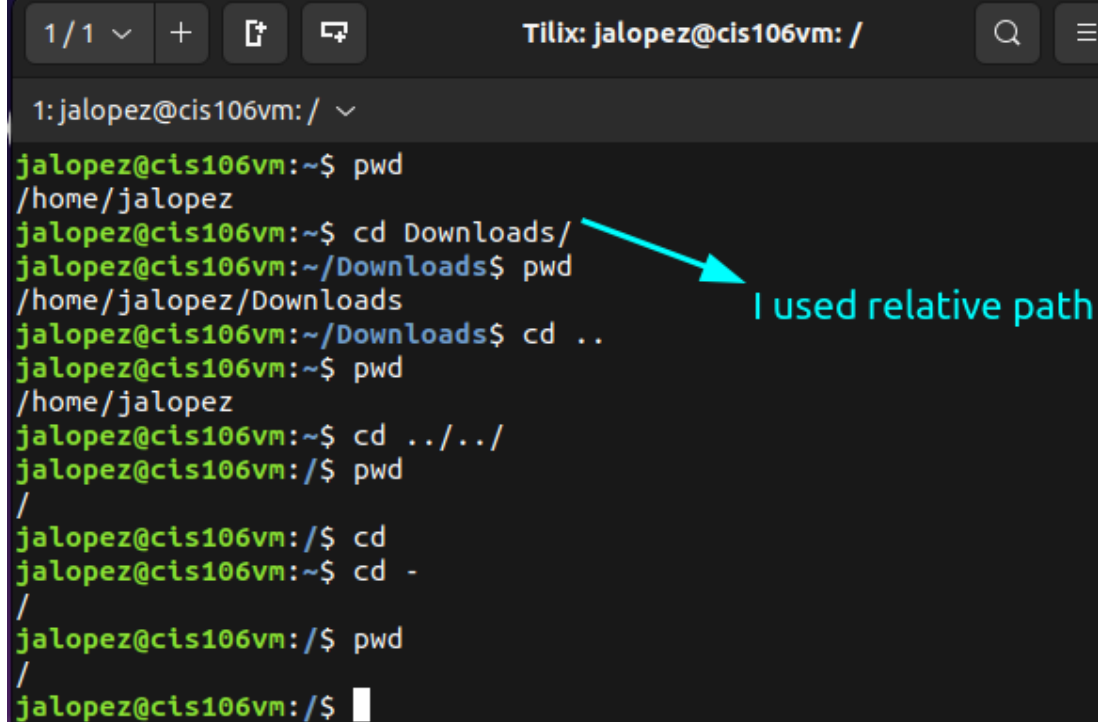


Week Report 4

Practice

```
jalopez@cis106vm:~$ pwd
/home/jalopez
jalopez@cis106vm:~$
```



```
1/1  +  [T]  [C]  Tilix: jalopez@cis106vm: /  [Q]  [≡]  [–]  [□]  [×]
1: jalopez@cis106vm: /  [□]  [×]
jalopez@cis106vm:~$ pwd
/home/jalopez
jalopez@cis106vm:~$ cd Downloads/
jalopez@cis106vm:~/Downloads$ pwd
/home/jalopez/Downloads
jalopez@cis106vm:~/Downloads$ cd ..
jalopez@cis106vm:~$ pwd
/home/jalopez
jalopez@cis106vm:~$ cd ../../
jalopez@cis106vm:/$ pwd
/
jalopez@cis106vm:/$ cd
jalopez@cis106vm:~$ cd -
/
jalopez@cis106vm:/$ pwd
/
jalopez@cis106vm:/$
```

I used relative path

```

jalopez@cis106vm: ~/practicels
jalopez@cis106vm:~$ wget https://cis106.com/assets/practicels.tar.xz
--2022-10-22 23:26:36-- https://cis106.com/assets/practicels.tar.xz
Resolving cis106.com (cis106.com)... 185.199.108.153
Connecting to cis106.com (cis106.com)|185.199.108.153|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 2229212 (2.1M) [application/x-xz]
Saving to: 'practicels.tar.xz'

practicels.tar.xz  100%[=====] 2.12M  12.8MB/s  in 0.2s

2022-10-22 23:26:36 (12.8 MB/s) - 'practicels.tar.xz' saved [2229212/2229212]

jalopez@cis106vm:~$ tar Jxf practicels.tar.xz
jalopez@cis106vm:~$ cd practicels/
bash: cd: practicels/: No such file or directory
jalopez@cis106vm:~$ cd practicels/
jalopez@cis106vm:~/practicels$ ls
book.txt      history-debian.pdf  movie.mp4      song.mp3      tux-penguin.gif
countries.xml  homework.docx      people.csv     tux-nobg.png
jalopez@cis106vm:~/practicels$ ls -a
.      countries.xml      movie.mp4      tux-nobg.png
..     history-debian.pdf people.csv     tux-penguin.gif
book.txt homework.docx      song.mp3
jalopez@cis106vm:~/practicels$

jalopez@cis106vm: ~/practicels
jalopez@cis106vm:~/practicels$ ls -l
total 2932
-rw-rw-r-- 1 jalopez jalopez 1043 Feb 27 2022 book.txt
-rw-rw-r-- 1 jalopez jalopez 23972 Feb 27 2022 countries.xml
-rw-rw-r-- 1 jalopez jalopez 163057 Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 jalopez jalopez 111303 Feb 22 2022 homework.docx
-rw-rw-r-- 1 jalopez jalopez 1570024 Feb 27 2022 movie.mp4
-rw-rw-r-- 1 jalopez jalopez 284042 Feb 27 2022 people.csv
-rw-rw-r-- 1 jalopez jalopez 764176 Feb 27 2022 song.mp3
-rw-rw-r-- 1 jalopez jalopez 21314 Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 jalopez jalopez 44299 Jan 31 2020 tux-penguin.gif
jalopez@cis106vm:~/practicels$ ls -lh
total 2.9M
-rw-rw-r-- 1 jalopez jalopez 1.1K Feb 27 2022 book.txt
-rw-rw-r-- 1 jalopez jalopez 24K Feb 27 2022 countries.xml
-rw-rw-r-- 1 jalopez jalopez 160K Feb 27 2022 history-debian.pdf
-rw-rw-r-- 1 jalopez jalopez 109K Feb 22 2022 homework.docx
-rw-rw-r-- 1 jalopez jalopez 1.5M Feb 27 2022 movie.mp4
-rw-rw-r-- 1 jalopez jalopez 278K Feb 27 2022 people.csv
-rw-rw-r-- 1 jalopez jalopez 747K Feb 27 2022 song.mp3
-rw-rw-r-- 1 jalopez jalopez 21K Feb 27 2022 tux-nobg.png
-rw-rw-r-- 1 jalopez jalopez 44K Jan 31 2020 tux-penguin.gif
jalopez@cis106vm:~/practicels$ ls -lht
total 2.9M

```

The Filesystem (Some important Directories)

Directory	Data Stored in Directory
bin	Essential Commands

Directory	Data Stored in Directory
dev	Device files
etc	System configuration files
home	User home directories
media	Mount point for removable media
opt	Add-on software packages
proc	Kernel information, process control
srv	Information relating to services run on the system
usr	Software not essential for system operation
var	Dedicated to variable data such as log files that persist from one boot to the next.

Commands to navigate the filesystem

Command	What it does	Syntax	Example
pwd	prints current working directory	<code>pwd</code>	<code>pwd</code>
cd	changes current working directory	<code>cd</code>	<code>cd Downloads\</code>
ls	lists files in current working directory	<code>ls</code>	<code>ls</code>

Key terms

Definitions of the following terms

- File system: The way files are stored and organized.
- Current directory: Directory where you are at the moment.
- parent directory: A directory that has other directories inside.
- the difference between YOUR HOME directory and THE HOME directory: YOUR HOME directory contains your user data, while THE HOME directory holds all the data.
- pathname: Indicates the location of the file.
- relative path: The location of a file starting the root of the file system
- absolute path: The location of a file starting from the current working directory.
- A bulleted list of all the commands are used for navigating the filesystem.
 - `pwd`
 - `cd`
 - `ls`