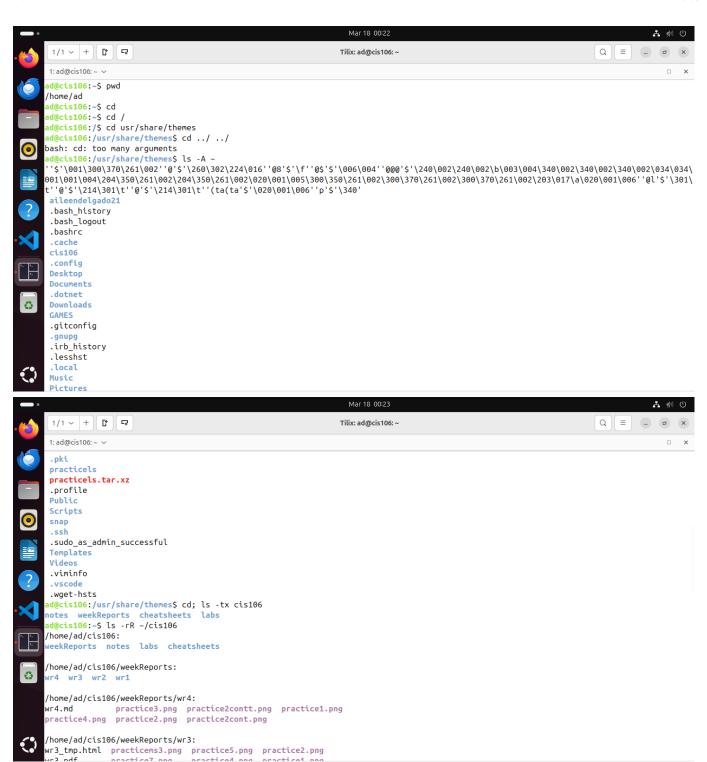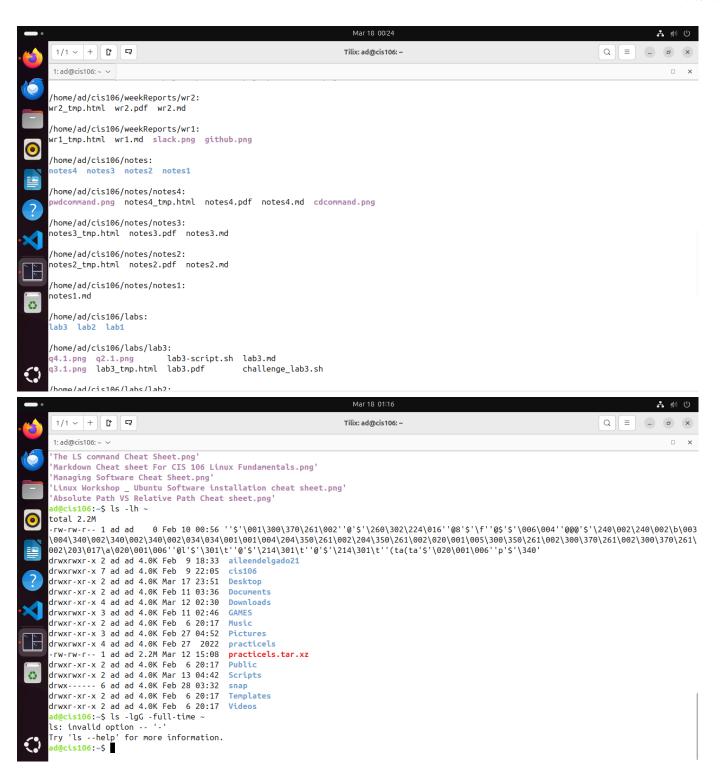# Week Report 4

Practice 1

Practice 2

1: ad@cis106: ~/practicels ∨

```
ad@cis106:~$ wget https://cis106.com/assets/practicels.tar.xz
--2025-03-13 00:05:05--  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  14.0MB/s    in 0.2s

2025-03-13 00:05:06 (14.0 MB/s) - 'practicels.tar.xz' saved [2229212/2229212]

ad@cis106:~$ tar Jxf practicels.tar.xz
ad@cis106:~$ cd practicels/
ad@cis106:~/practicels$ ls
 book.txt              movie.mp4         practicels.tar.xz
 countries.xml         people.csv        song.mp3
 history-debian.pdf    practicels        tux-nobg.png
 homework.docx        'practicels (2)'   tux-penguin.gif
ad@cis106:~/practicels$ ls -a
 .                     homework.docx     practicels.tar.xz
 ..                    movie.mp4         song.mp3
 book.txt              people.csv        tux-nobg.png
 countries.xml         practicels        tux-penguin.gif
 history-debian.pdf   'practicels (2)'
ad@cis106:~/practicels$ ls -l
total 5120
-rw-rw-r-- 1 ad ad    1043 Feb 27  2022  book.txt
-rw-rw-r-- 1 ad ad   23972 Feb 27  2022  countries.xml
-rw-rw-r-- 1 ad ad  163057 Feb 27  2022  history-debian.pdf
-rw-rw-r-- 1 ad ad  111303 Feb 22  2022  homework.docx
-rw-rw-r-- 1 ad ad 1570024 Feb 27  2022  movie.mp4
-rw-rw-r-- 1 ad ad  284042 Feb 27  2022  people.csv
drwxrwxr-x 2 ad ad    4096 Feb 27  2022  practicels
drwxrwxr-x 2 ad ad    4096 Feb 27  2022 'practicels (2)'
-rw-rw-r-- 1 ad ad 2229212 Mar 12 02:28  practicels.tar.xz
```

1: ad@cis106: ~/practicels ∨

```
-rw-rw-r-- 1 ad ad   764176 Feb 27  2022   song.mp3
-rw-rw-r-- 1 ad ad    21314 Feb 27  2022   tux-nobg.png
-rw-rw-r-- 1 ad ad    44299 Jan 31  2020   tux-penguin.gif
ad@cis106:~/practicels$ ls -lh
total 5.0M
-rw-rw-r-- 1 ad ad 1.1K Feb 27  2022   book.txt
-rw-rw-r-- 1 ad ad  24K Feb 27  2022   countries.xml
-rw-rw-r-- 1 ad ad 160K Feb 27  2022   history-debian.pdf
-rw-rw-r-- 1 ad ad 109K Feb 22  2022   homework.docx
-rw-rw-r-- 1 ad ad 1.5M Feb 27  2022   movie.mp4
-rw-rw-r-- 1 ad ad 278K Feb 27  2022   people.csv
drwxrwxr-x 2 ad ad 4.0K Feb 27  2022   practicels
drwxrwxr-x 2 ad ad 4.0K Feb 27  2022  'practicels (2)'
-rw-rw-r-- 1 ad ad 2.2M Mar 12 02:28   practicels.tar.xz
-rw-rw-r-- 1 ad ad 747K Feb 27  2022   song.mp3
-rw-rw-r-- 1 ad ad  21K Feb 27  2022   tux-nobg.png
-rw-rw-r-- 1 ad ad  44K Jan 31  2020   tux-penguin.gif
ad@cis106:~/practicels$ ls -lht
total 5.0M
-rw-rw-r-- 1 ad ad 2.2M Mar 12 02:28   practicels.tar.xz
-rw-rw-r-- 1 ad ad  24K Feb 27  2022   countries.xml
drwxrwxr-x 2 ad ad 4.0K Feb 27  2022   practicels
drwxrwxr-x 2 ad ad 4.0K Feb 27  2022  'practicels (2)'
-rw-rw-r-- 1 ad ad 278K Feb 27  2022   people.csv
-rw-rw-r-- 1 ad ad 747K Feb 27  2022   song.mp3
-rw-rw-r-- 1 ad ad 1.5M Feb 27  2022   movie.mp4
-rw-rw-r-- 1 ad ad 160K Feb 27  2022   history-debian.pdf
-rw-rw-r-- 1 ad ad  21K Feb 27  2022   tux-nobg.png
-rw-rw-r-- 1 ad ad 1.1K Feb 27  2022   book.txt
-rw-rw-r-- 1 ad ad 109K Feb 22  2022   homework.docx
-rw-rw-r-- 1 ad ad  44K Jan 31  2020   tux-penguin.gif
ad@cis106:~/practicels$ ls -lhgGS
total 5.0M
-rw-rw-r-- 1 2.2M Mar 12 02:28   practicels.tar.xz
-rw-rw-r-- 1 1.5M Feb 27  2022   movie.mp4
-rw-rw-r-- 1 747K Feb 27  2022   song.mp3
```

1: ad@cis106: ~/practicels ∨

```
-rw-rw-r-- 1 ad ad  24K Feb 27  2022  countries.xml
drwxrwxr-x 2 ad ad 4.0K Feb 27  2022  practicels
drwxrwxr-x 2 ad ad 4.0K Feb 27  2022  'practicels (2)'
-rw-rw-r-- 1 ad ad 278K Feb 27  2022  people.csv
-rw-rw-r-- 1 ad ad 747K Feb 27  2022  song.mp3
-rw-rw-r-- 1 ad ad 1.5M Feb 27  2022  movie.mp4
-rw-rw-r-- 1 ad ad 160K Feb 27  2022  history-debian.pdf
-rw-rw-r-- 1 ad ad  21K Feb 27  2022  tux-nobg.png
-rw-rw-r-- 1 ad ad 1.1K Feb 27  2022  book.txt
-rw-rw-r-- 1 ad ad 109K Feb 22  2022  homework.docx
-rw-rw-r-- 1 ad ad  44K Jan 31  2020  tux-penguin.gif
ad@cis106:~/practicels$ ls -lhgGS
total 5.0M
-rw-rw-r-- 1 2.2M Mar 12 02:28  practicels.tar.xz
-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
drwxrwxr-x 2 4.0K Feb 27  2022  practicels
drwxrwxr-x 2 4.0K Feb 27  2022  'practicels (2)'
-rw-rw-r-- 1 1.1K Feb 27  2022  book.txt
ad@cis106:~/practicels$ ls -mr
tux-penguin.gif, tux-nobg.png, song.mp3, practicels.tar.xz,
'practicels (2)', practicels, people.csv, movie.mp4, homework.docx,
history-debian.pdf, countries.xml, book.txt
ad@cis106:~/practicels$ ls -1x
 book.txt          countries.xml      history-debian.pdf
 homework.docx     movie.mp4          people.csv
 practicels        'practicels (2)'   practicels.tar.xz
 song.mp3          tux-nobg.png       tux-penguin.gif
ad@cis106:~/practicels$ █
```

Challenge Practice

```
                                        Mar 18 00:22

 1/1   +                                  Tilix: ad@cis106: ~

 1: ad@cis106: ~  ∨

ad@cis106:~$ pwd
/home/ad
ad@cis106:~$ cd
ad@cis106:~$ cd /
ad@cis106:/$ cd usr/share/themes
ad@cis106:/usr/share/themes$ cd ../ ../
bash: cd: too many arguments
ad@cis106:/usr/share/themes$ ls -A ~
''$'\001\300\370\261\002''@'$'\260\302\224\016''@8'$'\f''@$'$'\006\004''@@@'$'\240\002\240\002\b\003\004\340\002\340\002\340\002\034\034\
001\001\004\204\350\261\002\204\350\261\002\020\001\005\300\350\261\002\300\370\261\002\300\370\261\002\203\017\a\020\001\006''@l'$'\301\
t''@'$'\214\301\t''@'$'\214\301\t''(ta(ta'$'\020\001\006''p'$'\340'
  aileendelgado21
 .bash_history
 .bash_logout
 .bashrc
 .cache
 cis106
 .config
 Desktop
 Documents
 .dotnet
 Downloads
 GAMES
 .gitconfig
 .gnupg
 .irb_history
 .lesshst
 .local
 Music
 Pictures
```

```
                                        Mar 18 00:23

 1/1   +                                  Tilix: ad@cis106: ~

 1: ad@cis106: ~  ∨

 .pki
 practicels
 practicels.tar.xz
 .profile
 Public
 Scripts
 snap
 .ssh
 .sudo_as_admin_successful
 Templates
 Videos
 .viminfo
 .vscode
 .wget-hsts
ad@cis106:/usr/share/themes$ cd; ls -tx cis106
notes   weekReports   cheatsheets   labs
ad@cis106:~$ ls -rR ~/cis106
/home/ad/cis106:
weekReports   notes   labs   cheatsheets

/home/ad/cis106/weekReports:
wr4  wr3  wr2  wr1

/home/ad/cis106/weekReports/wr4:
wr4.md          practice3.png   practice2contt.png   practice1.png
practice4.png   practice2.png   practice2cont.png

/home/ad/cis106/weekReports/wr3:
wr3_tmp.html   practicems3.png   practice5.png   practice2.png
wr3.pdf        practice7.png     practice4.png   practice1.png
```

```
/home/ad/cis106/weekReports/wr2:
wr2_tmp.html  wr2.pdf  wr2.md

/home/ad/cis106/weekReports/wr1:
wr1_tmp.html  wr1.md  slack.png  github.png

/home/ad/cis106/notes:
notes4  notes3  notes2  notes1

/home/ad/cis106/notes/notes4:
pwdcommand.png  notes4_tmp.html  notes4.pdf  notes4.md  cdcommand.png

/home/ad/cis106/notes/notes3:
notes3_tmp.html  notes3.pdf  notes3.md

/home/ad/cis106/notes/notes2:
notes2_tmp.html  notes2.pdf  notes2.md

/home/ad/cis106/notes/notes1:
notes1.md

/home/ad/cis106/labs:
lab3  lab2  lab1

/home/ad/cis106/labs/lab3:
q4.1.png  q2.1.png     lab3-script.sh  lab3.md
q3.1.png  lab3_tmp.html  lab3.pdf        challenge_lab3.sh

/home/ad/cis106/labs/lab2:
```

```
'The LS command Cheat Sheet.png'
'Markdown Cheat sheet For CIS 106 Linux Fundamentals.png'
'Managing Software Cheat Sheet.png'
'Linux Workshop _ Ubuntu Software installation cheat sheet.png'
'Absolute Path VS Relative Path Cheat sheet.png'
ad@cis106:~$ ls -lh ~
total 2.2M
-rw-rw-r-- 1 ad ad    0 Feb 10 00:56 ''$'\001\300\370\261\002''@'$'\260\302\224\016''@8'$'\f''@$'$'\006\004''@@@'$'\240\002\240\002\b\003
\004\340\002\340\002\340\002\034\034\001\001\004\204\350\261\002\204\350\261\002\020\001\005\300\350\261\002\300\370\261\002\300\370\261\
002\203\017\a\020\001\006''@l'$'\301\t''@'$'\214\301\t''@$'\214\301\t''(ta(ta'$'\020\001\006''p'$'\340'
drwxrwxr-x 2 ad ad 4.0K Feb  9 18:33 aileendelgado21
drwxrwxr-x 7 ad ad 4.0K Feb  9 22:05 cis106
drwxr-xr-x 2 ad ad 4.0K Mar 17 23:51 Desktop
drwxr-xr-x 2 ad ad 4.0K Feb 11 03:36 Documents
drwxr-xr-x 4 ad ad 4.0K Mar 12 02:30 Downloads
drwxrwxr-x 3 ad ad 4.0K Feb 11 02:46 GAMES
drwxr-xr-x 2 ad ad 4.0K Feb  6 20:17 Music
drwxr-xr-x 3 ad ad 4.0K Feb 27 04:52 Pictures
drwxrwxr-x 4 ad ad 4.0K Feb 27  2022 practicels
-rw-rw-r-- 1 ad ad 2.2M Mar 12 15:08 practicels.tar.xz
drwxr-xr-x 2 ad ad 4.0K Feb  6 20:17 Public
drwxrwxr-x 2 ad ad 4.0K Mar 13 04:42 Scripts
drwx------ 6 ad ad 4.0K Feb 28 03:32 snap
drwxr-xr-x 2 ad ad 4.0K Feb  6 20:17 Templates
drwxr-xr-x 2 ad ad 4.0K Feb  6 20:17 Videos
ad@cis106:~$ ls -lgG -full-time ~
ls: invalid option -- '-'
Try 'ls --help' for more information.
ad@cis106:~$
```

Practice 3

```
ad@cis106:~$ bash script
/usr/bin/script: /usr/bin/script: cannot execute binary file
ad@cis106:~$ bash Scripts/env_var.sh
The Current User: ad
The Current Shell: /bin/bash
The Current's User Home: /home/ad
The Path Var:
 /usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin:/snap/bin
ad@cis106:~$
```

Practice 4

1: ad@cis106: ~ ∨

```
ad@cis106:~$ bash Scripts/usr_var.sh
        Users Information
        ------------------------
        Name:    Aileen
        Age:     31
        Email:   ajdelgado@students.pccc.edu
        Phone:   555-555-555
ad@cis106:~$ ▮
```