Week Report 5

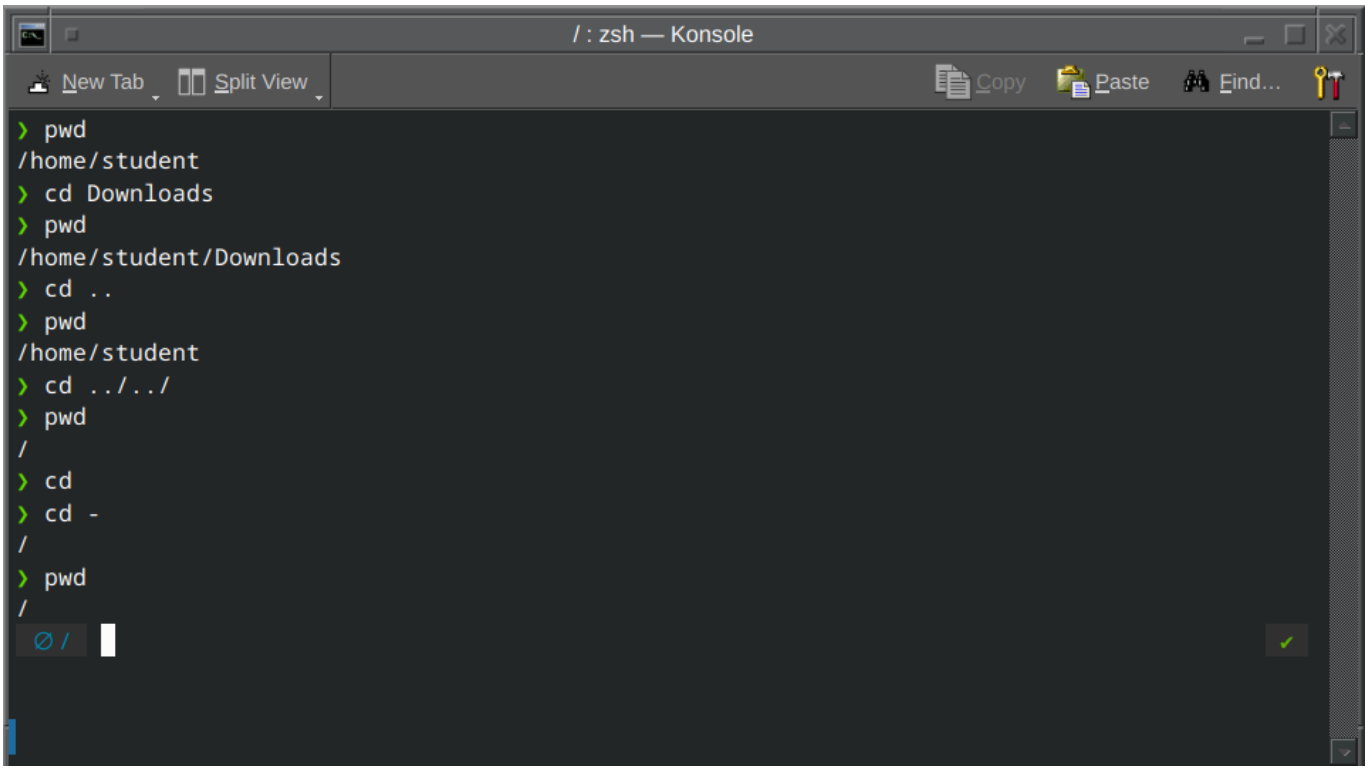
Completed work for week 5:

- Lab 5
- Notes 5

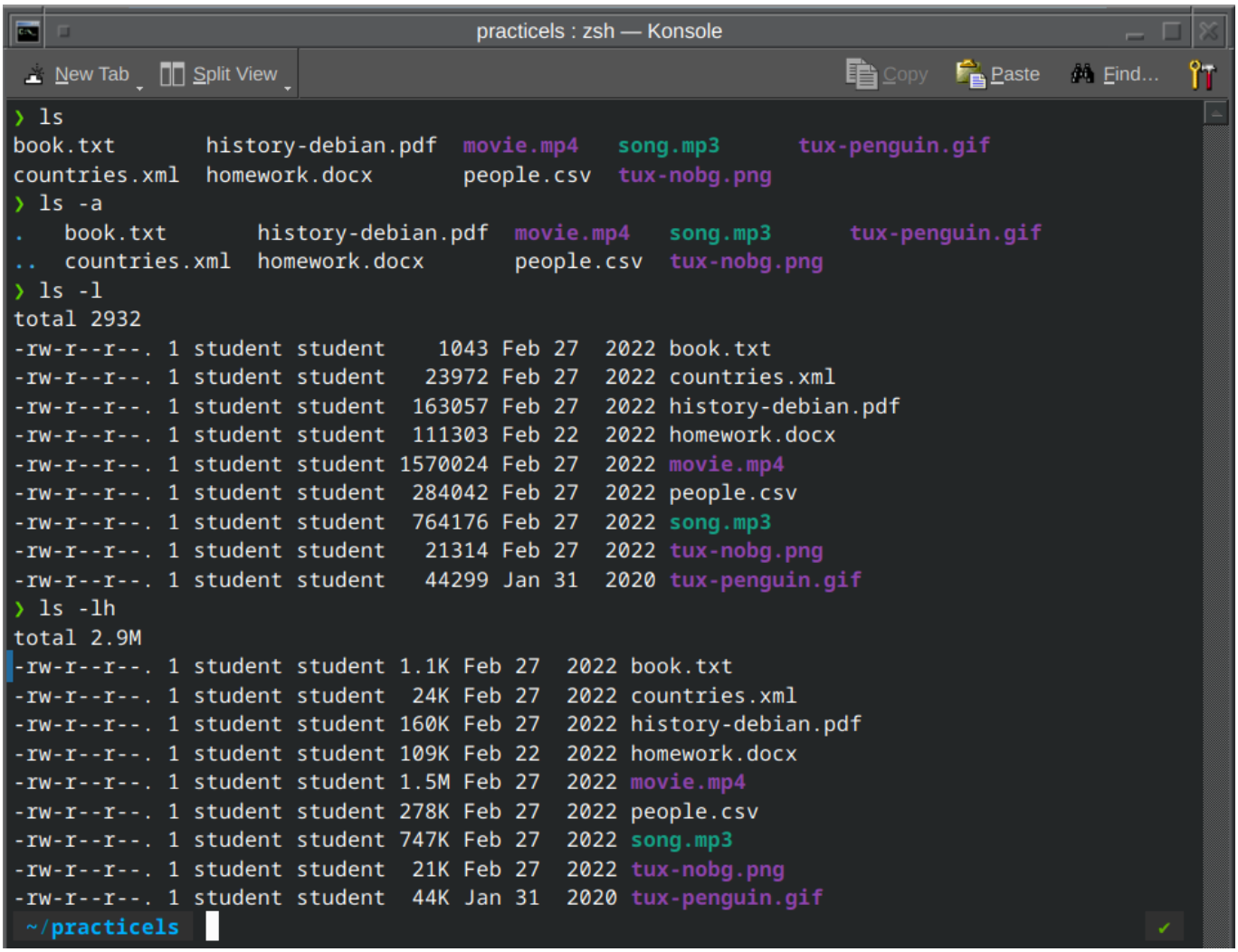
Practice Screenshots

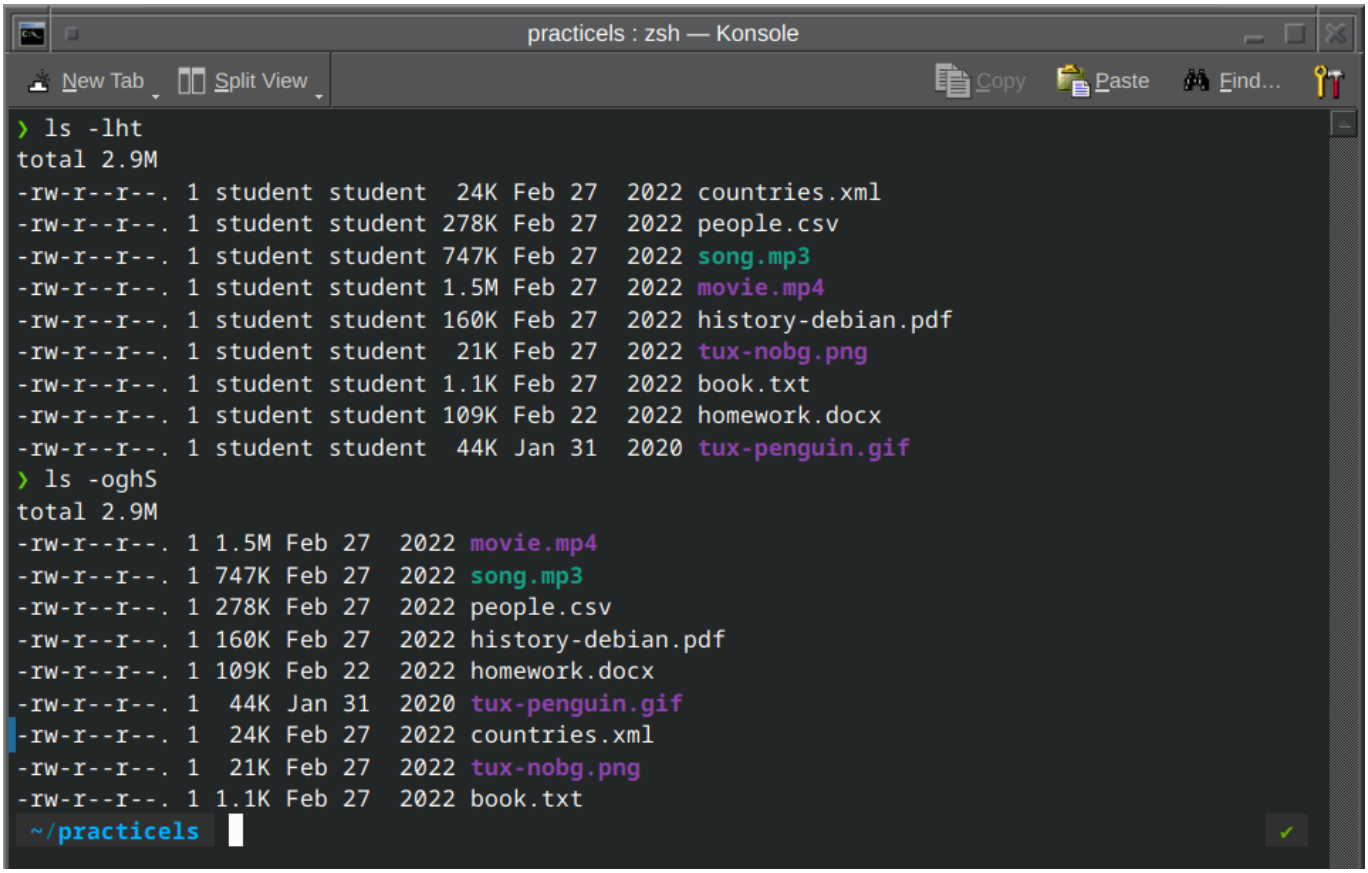
Linux Filesystem

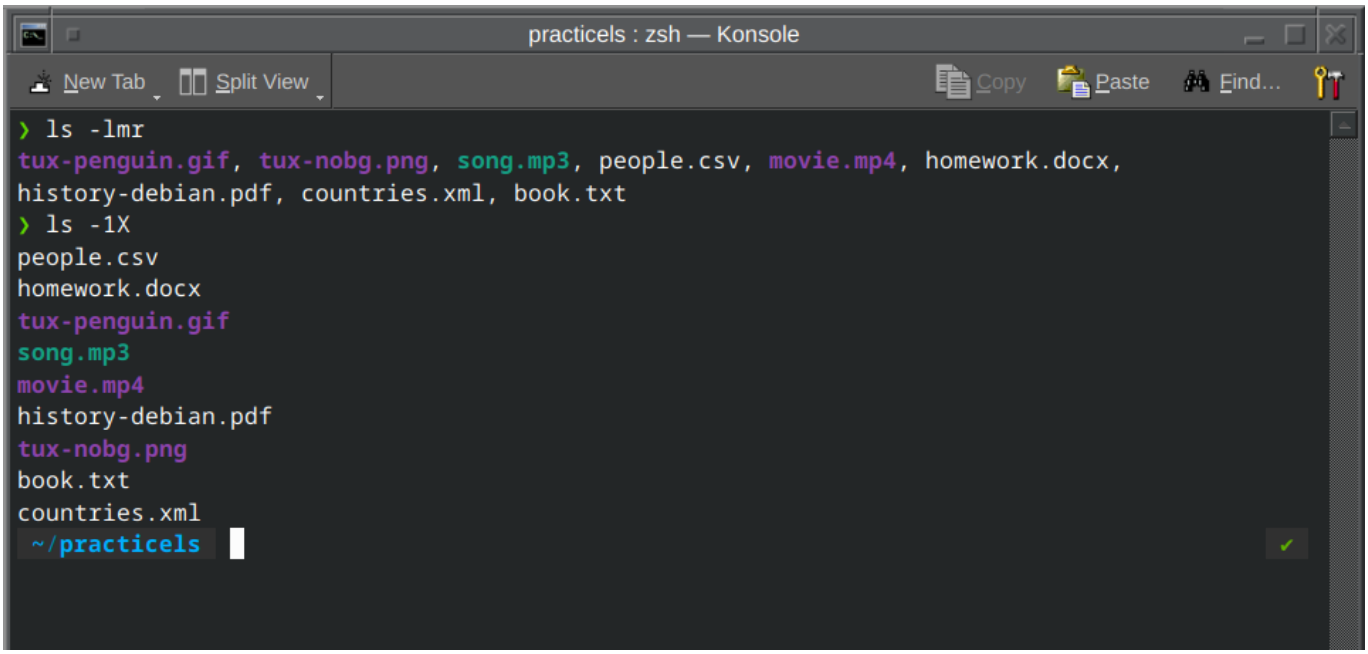
Practice 1



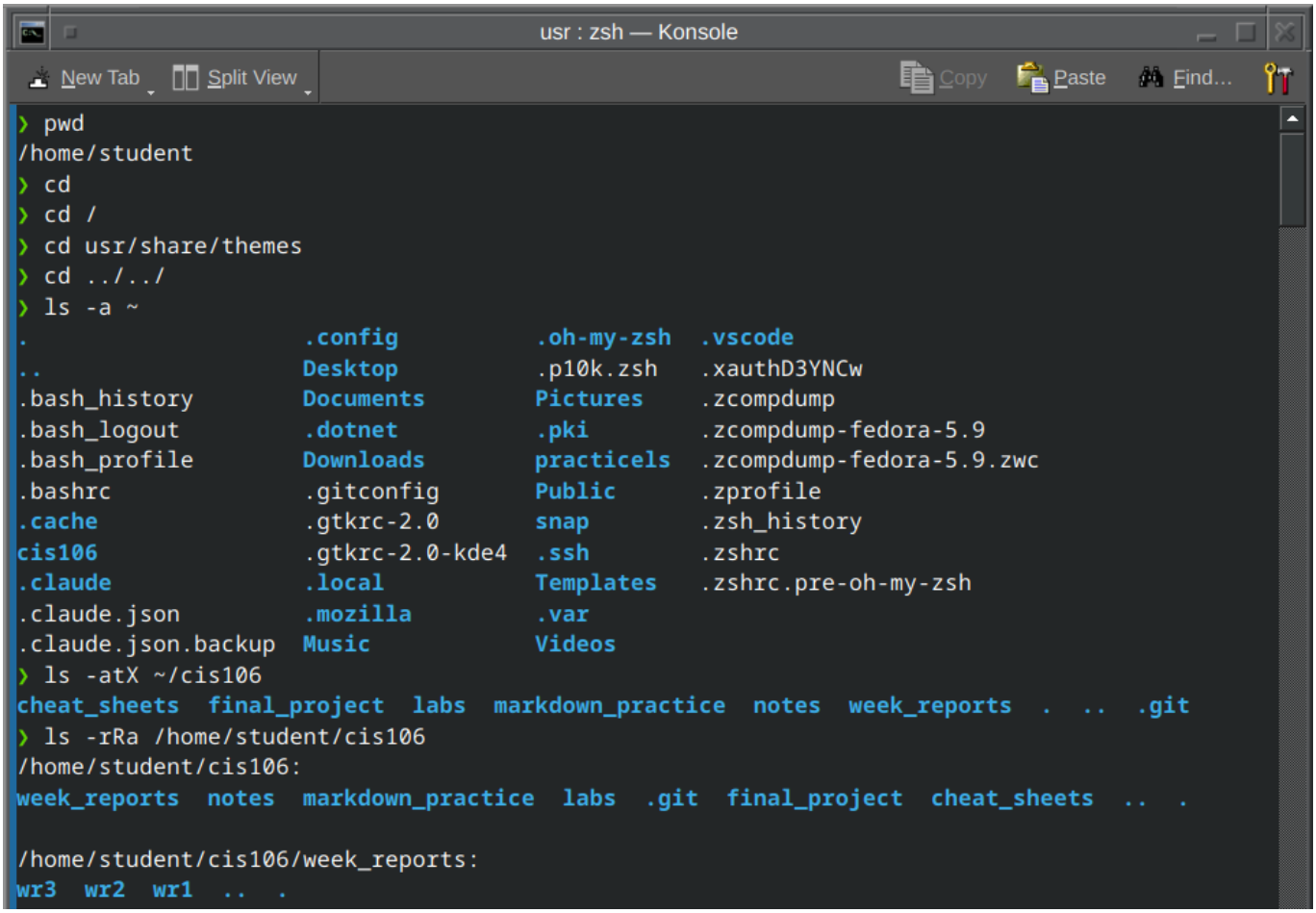
Practice 2

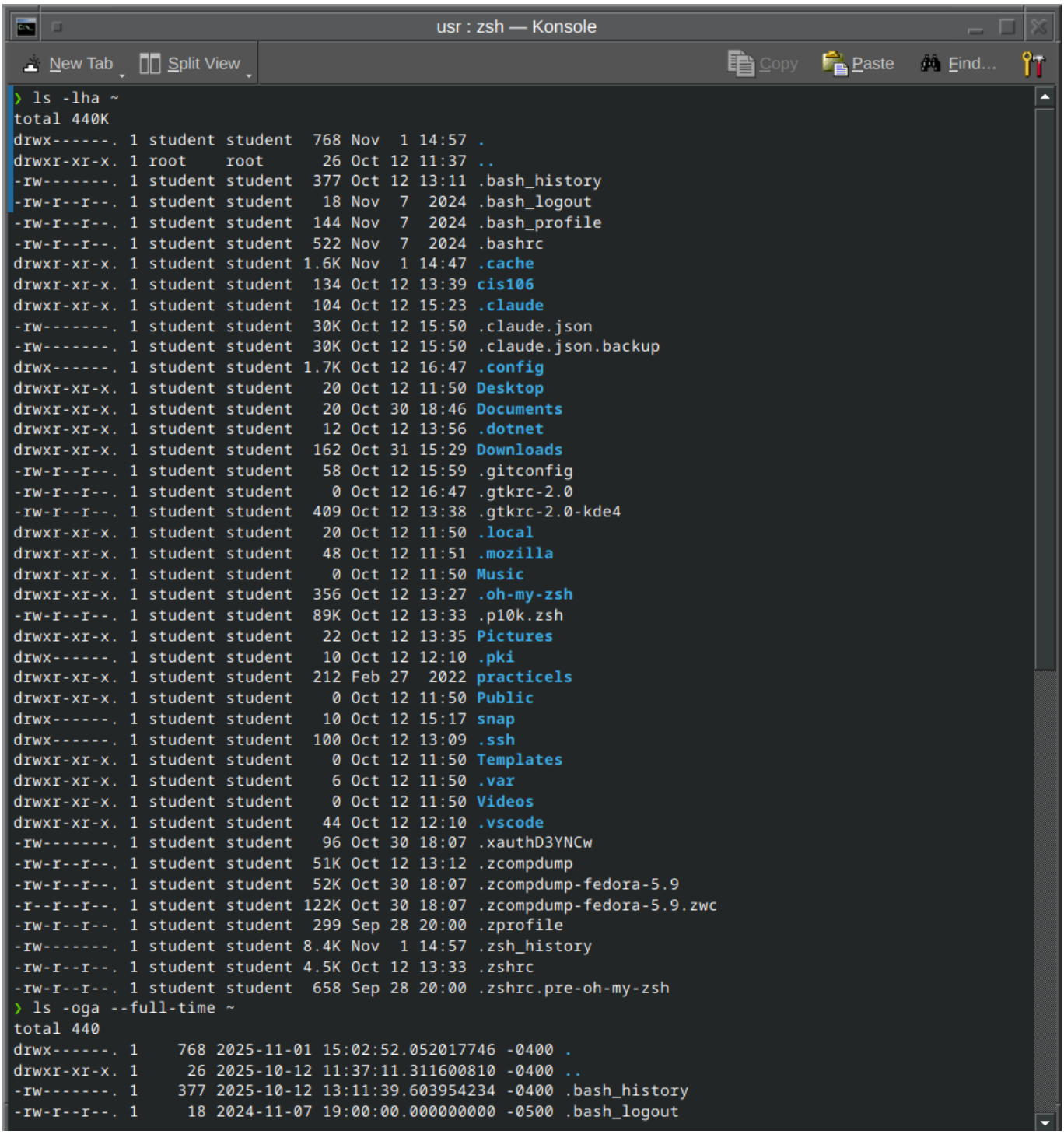

practicels : zsh — Konsole
New Tab
Split View
Copy
Paste
Find...
❯ ls
book.txt history-debian.pdf movie.mp4 song.mp3 tux-penguin.gif
countries.xml homework.docx people.csv tux-nobg.png
❯ ls -a
. book.txt history-debian.pdf movie.mp4 song.mp3 tux-penguin.gif
.. countries.xml homework.docx people.csv tux-nobg.png
❯ ls -l
total 2932
-rw-r--r--. 1 student student 1043 Feb 27 2022 book.txt
-rw-r--r--. 1 student student 23972 Feb 27 2022 countries.xml
-rw-r--r--. 1 student student 163057 Feb 27 2022 history-debian.pdf
-rw-r--r--. 1 student student 111303 Feb 22 2022 homework.docx
-rw-r--r--. 1 student student 1570024 Feb 27 2022 movie.mp4
-rw-r--r--. 1 student student 284042 Feb 27 2022 people.csv
-rw-r--r--. 1 student student 764176 Feb 27 2022 song.mp3
-rw-r--r--. 1 student student 21314 Feb 27 2022 tux-nobg.png
-rw-r--r--. 1 student student 44299 Jan 31 2020 tux-penguin.gif
❯ ls -lh
total 2.9M
-rw-r--r--. 1 student student 1.1K Feb 27 2022 book.txt
-rw-r--r--. 1 student student 24K Feb 27 2022 countries.xml
-rw-r--r--. 1 student student 160K Feb 27 2022 history-debian.pdf
-rw-r--r--. 1 student student 109K Feb 22 2022 homework.docx
-rw-r--r--. 1 student student 1.5M Feb 27 2022 movie.mp4
-rw-r--r--. 1 student student 278K Feb 27 2022 people.csv
-rw-r--r--. 1 student student 747K Feb 27 2022 song.mp3
-rw-r--r--. 1 student student 21K Feb 27 2022 tux-nobg.png
-rw-r--r--. 1 student student 44K Jan 31 2020 tux-penguin.gif
~/practicels


practicels : zsh — Konsole
New Tab
Split View
Copy
Paste
Find...
❯ ls -lht
total 2.9M
-rw-r--r--. 1 student student 24K Feb 27 2022 countries.xml
-rw-r--r--. 1 student student 278K Feb 27 2022 people.csv
-rw-r--r--. 1 student student 747K Feb 27 2022 song.mp3
-rw-r--r--. 1 student student 1.5M Feb 27 2022 movie.mp4
-rw-r--r--. 1 student student 160K Feb 27 2022 history-debian.pdf
-rw-r--r--. 1 student student 21K Feb 27 2022 tux-nobg.png
-rw-r--r--. 1 student student 1.1K Feb 27 2022 book.txt
-rw-r--r--. 1 student student 109K Feb 22 2022 homework.docx
-rw-r--r--. 1 student student 44K Jan 31 2020 tux-penguin.gif
❯ ls -oghS
total 2.9M
-rw-r--r--. 1 1.5M Feb 27 2022 movie.mp4
-rw-r--r--. 1 747K Feb 27 2022 song.mp3
-rw-r--r--. 1 278K Feb 27 2022 people.csv
-rw-r--r--. 1 160K Feb 27 2022 history-debian.pdf
-rw-r--r--. 1 109K Feb 22 2022 homework.docx
-rw-r--r--. 1 44K Jan 31 2020 tux-penguin.gif
-rw-r--r--. 1 24K Feb 27 2022 countries.xml
-rw-r--r--. 1 21K Feb 27 2022 tux-nobg.png
-rw-r--r--. 1 1.1K Feb 27 2022 book.txt
~/practicels


practicels : zsh — Konsole
New Tab
Split View
Copy
Paste
Find...
❯ ls -lmr
tux-penguin.gif, tux-nobg.png, song.mp3, people.csv, movie.mp4, homework.docx,
history-debian.pdf, countries.xml, book.txt
❯ ls -1X
people.csv
homework.docx
tux-penguin.gif
song.mp3
movie.mp4
history-debian.pdf
tux-nobg.png
book.txt
countries.xml
~/practicels

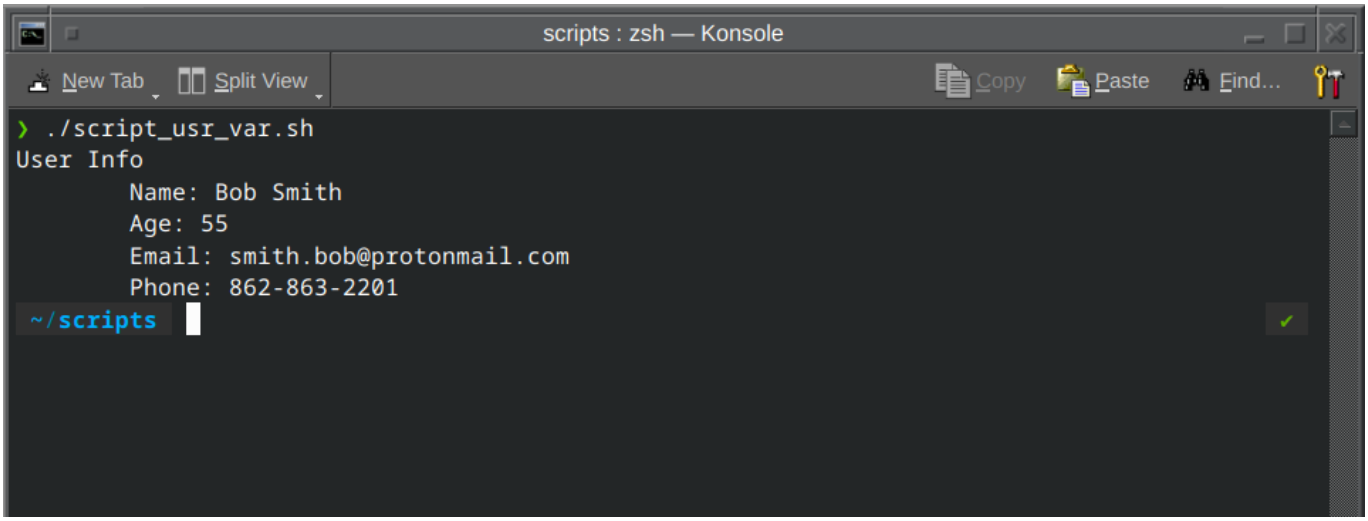
Practice 3


usr : zsh — Konsole
New Tab
Split View
Copy
Paste
Find...
❯ pwd
/home/student
❯ cd
❯ cd /
❯ cd usr/share/themes
❯ cd ../../
❯ ls -a ~
. .config .oh-my-zsh .vscode
.. Desktop .p10k.zsh .xauthD3YNCw
.bash_history Documents Pictures .zcompdump
.bash_logout .dotnet .pki .zcompdump-fedora-5.9
.bash_profile Downloads practicels .zcompdump-fedora-5.9.zwc
.bashrc .gitconfig Public .zprofile
.cache .gtkrc-2.0 snap .zsh_history
cis106 .gtkrc-2.0-kde4 .ssh .zshrc
.claude .local Templates .zshrc.pre-oh-my-zsh
.claude.json .mozilla .var
.claude.json.backup Music Videos
❯ ls -atX ~/cis106
cheat_sheets final_project labs markdown_practice notes week_reports . .. .git
❯ ls -rRa /home/student/cis106
/home/student/cis106:
week_reports notes markdown_practice labs .git final_project cheat_sheets .. .
/home/student/cis106/week_reports:
wr3 wr2 wr1 .. .



Shell Scripting Practice 1

env Variable practice

```
❯ cd ~/scripts
❯ nvim script_env_var.sh
❯ ls
script_env_var.sh
❯ cat script_env_var.sh
#!/bin/bash
echo "Current user is $USER"
echo "Current shell is $SHELL"
echo "Current home directory is $HOME"
echo "The path is $PATH"
❯ chmod +x script_env_var.sh
❯ ./script_env_var.sh
Current user is student
Current shell is /usr/bin/zsh
Current home directory is /home/student
The path is /usr/local/bin:/usr/bin:/bin:/usr/local/sbin:/usr/sbin:/sbin:/var/lib/snapd/snap
```

User variable practice