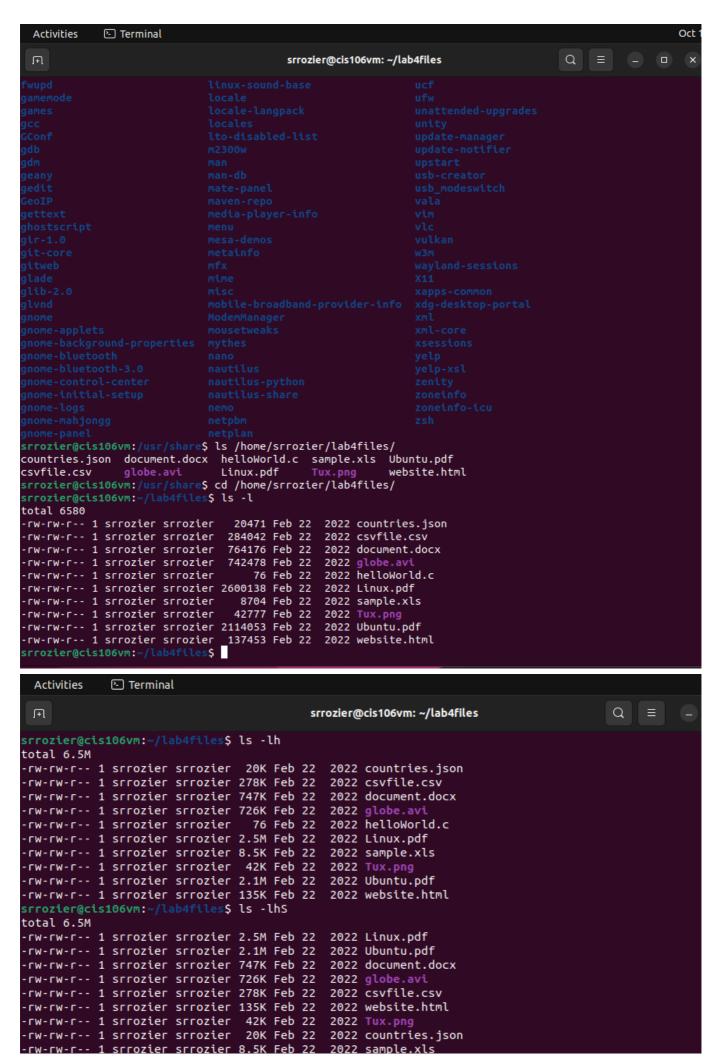
## Lab 4 submission

## Question 1

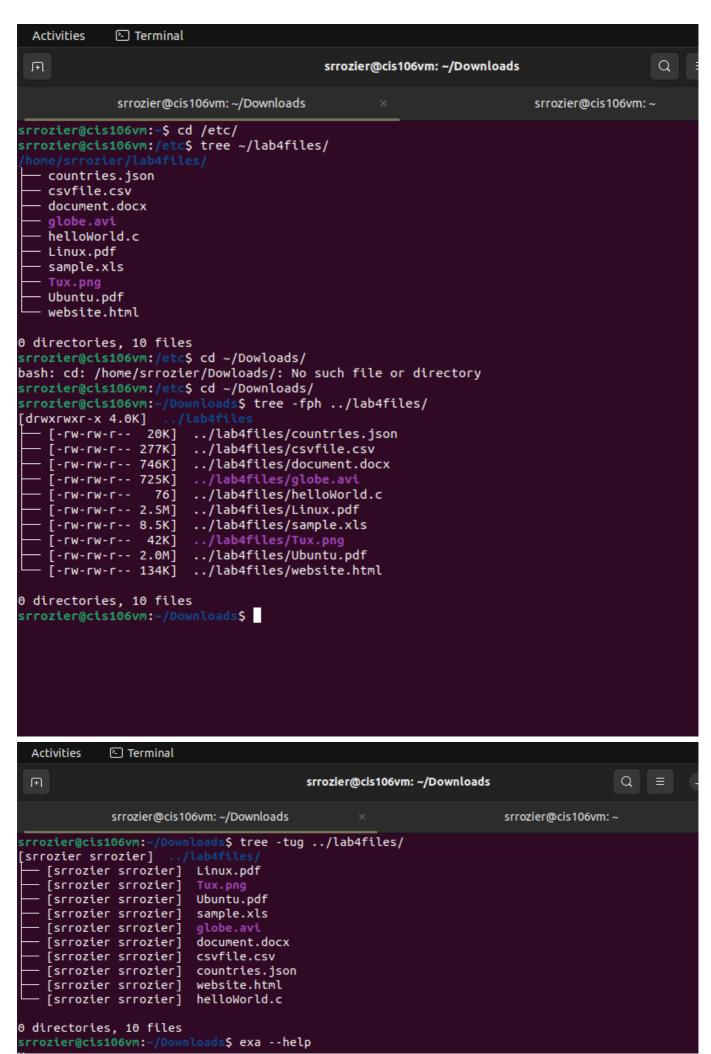
```
Q
 Ŧ
                                           srrozier@cis106vm: /snap/firefox
srrozier@cis106vm:~$ pwd
/home/srrozier
srrozier@cis106vm:~$ cd /usr/share/themes/
srrozier@cis106vm:/usr/share/themes$ pwd
/usr/share/themes
srrozier@cis106vm:/usr/share/themes$ cd /
srrozier@cis106vm:/$ cd /snap/firefox
srrozier@cis106vm:/snap/firefox$
                                              srrozier@cis106vm: ~/Documents
                                                                                                Q
srrozier@cis106vm:/snap/firefox$ cd
srrozier@cis106vm:~$ pwd
/home/srrozier
srrozier@cis106vm:~$ cd Do
Documents/ Downloads/
srrozier@cis106vm:~$ cd Downloads/
srrozier@cis106vm:~/Downloads$ cd --/--/
bash: cd: --: invalid option
cd: usage: cd [-L|[-P [-e]] [-@]] [dir]
srrozier@cis106vm:~/Downloads$ ,,/,,/
bash: ,,/,,/: No such file or directory
srrozier@cis106vm:~/Downloads$ ../../
bash: ../../: Is a directory
srrozier@cis106vm:~/Downloads$ cd ../../
srrozier@cis106vm:/home$ pwd
/home
srrozier@cis106vm:/home$ ls
srrozier@cis106vm:/home$ cd srrozier/
            .config/
                         Documents/ .gnupg/
                                                  Music/
                                                               .pki/
                                                                                        Templates/ .vscode/
.cache/
                                                                           snap/
cis106f22/ Desktop/
                         Downloads/ .local/
                                                  Pictures/
                                                               Public/
                                                                            .ssh/
                                                                                        Videos/
                                                                                                     website/
srrozier@cis106vm:/home$ cd srrozier/Documents/
srrozier@cis106vm:~/Documents$ pwd
/home/srrozier/Documents
srrozier@cis106vm:~/Documents$
```

## Question 2

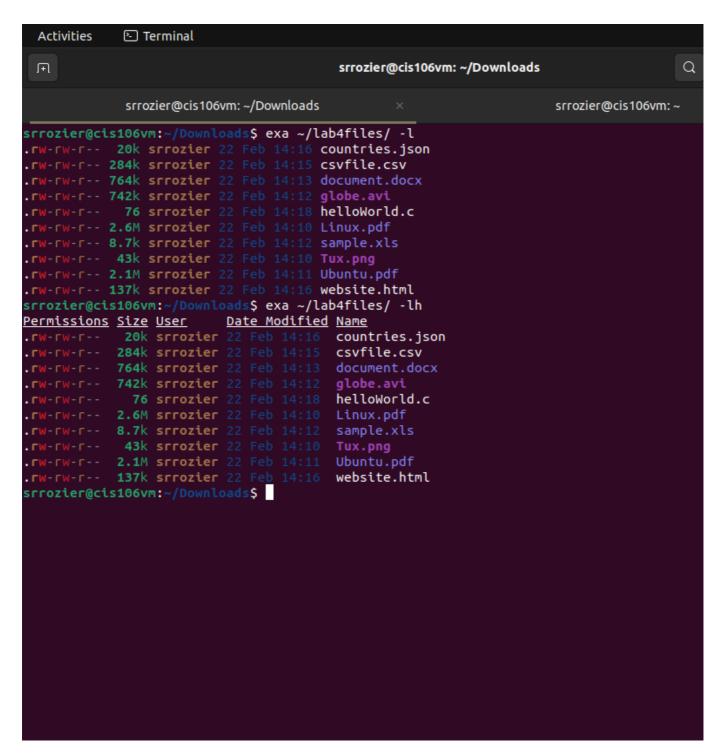


```
-rw-rw-r-- 1 srrozier srrozier
                               76 Feb 22 2022 helloWorld.c
srrozier@cis106vm:~/lab4files$
 Activities
            Terminal
                                         srrozier@cis106vm: ~/lab4files
srrozier@cis106vm:~/lab4files$ ls -lhSgGi
total 6.5M
2231183 -rw-rw-r-- 1 2.5M Feb 22
                                  2022 Linux.pdf
2231185 -rw-rw-r-- 1 2.1M Feb 22 2022 Ubuntu.pdf
2231194 -rw-rw-r-- 1 747K Feb 22 2022 document.docx
2231195 -rw-rw-r-- 1 726K Feb 22 2022 globe.avi
2231187 -rw-rw-r-- 1 278K Feb 22 2022 csvfile.csv
2231198 -rw-rw-r-- 1 135K Feb 22 2022 website.html
2231184 -rw-rw-r-- 1 42K Feb 22 2022 Tux.png
2231186 -rw-rw-r-- 1 20K Feb 22 2022 countries.json
2231197 -rw-rw-r-- 1 8.5K Feb 22 2022 sample.xls
2231196 -rw-rw-r-- 1
                      76 Feb 22 2022 helloWorld.c
srrozier@cis106vm:~/lab4files$ ls -Xr
sample.xls Ubuntu.pdf countries.json document.docx helloWorld.c
           Linux.pdf
                       website.html
                                        csvfile.csv
                                                       globe.avi
srrozier@cis106vm:~/lab4files$
```

## Question 3



```
exa [options] [files...]
META OPTIONS
  -?, --help
                       show list of command-line options
                       show version of exa
  -v, --version
DISPLAY OPTIONS
  -1, --oneline
                       display one entry per line display extended file metadata as a table
  -l, --long
 -G, --grid
-x, --across
-R, --recurse
-T, --tree
-F, --classify
                       display entries as a grid (default)
                       sort the grid across, rather than downwards recurse into directories
                       recurse into directories as a tree
                       display type indicator by file names
  --colo[u]r=WHEN
                       when to use terminal colours (always, auto, never)
                       highlight levels of file sizes distinctly
  --colo[u]r-scale
  --icons
                       display icons
  --no-icons
                       don't display icons (always overrides --icons)
FILTERING AND SORTING OPTIONS
  -a, --all
                                show hidden and 'dot' files
  -d, --list-dirs
                                list directories as files; don't list their contents
  -L, --level DEPTH
                                limit the depth of recursion
```



Question 4 Challenge Questions

