Lab 4 The Linux fs

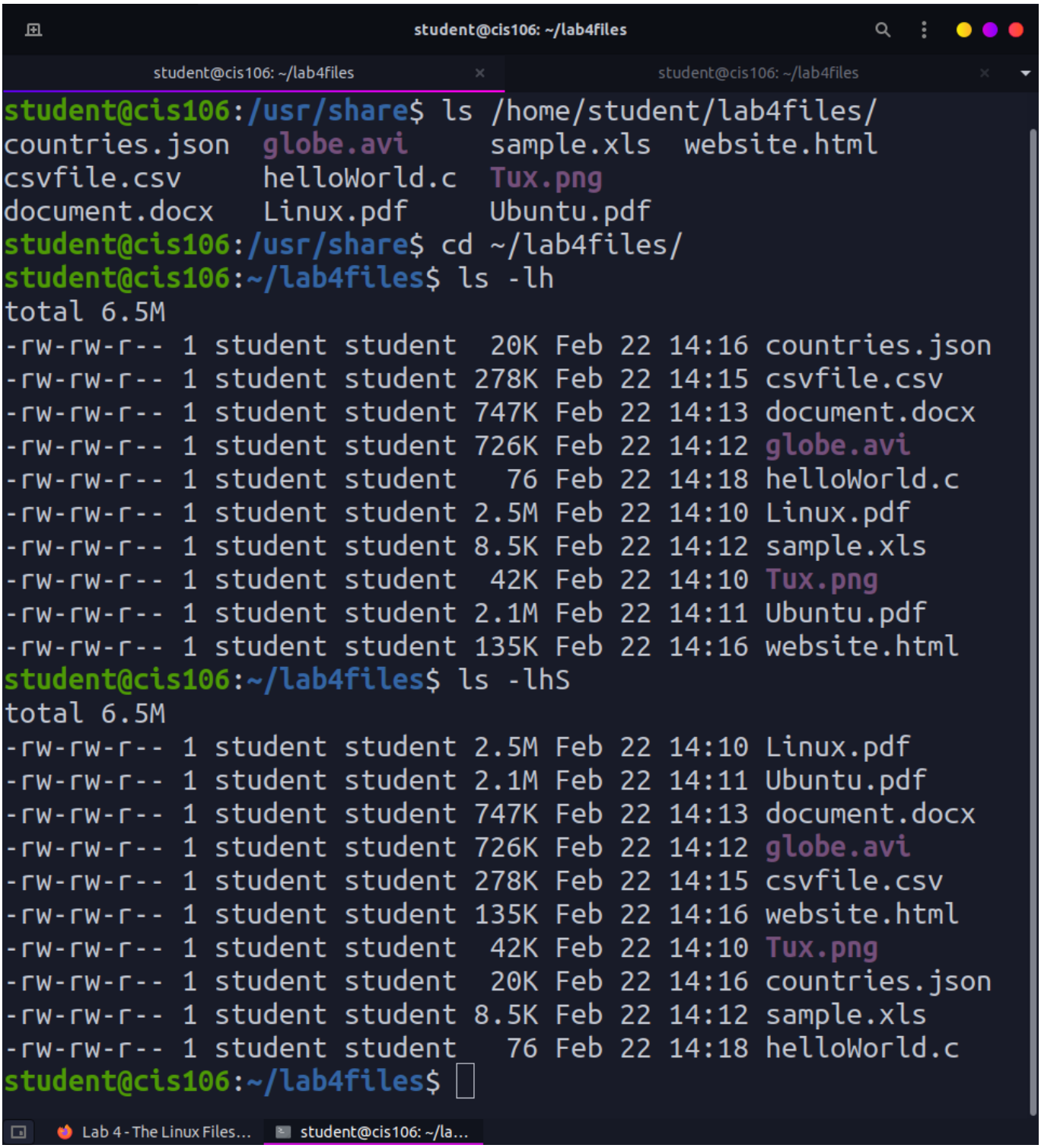
Question 1

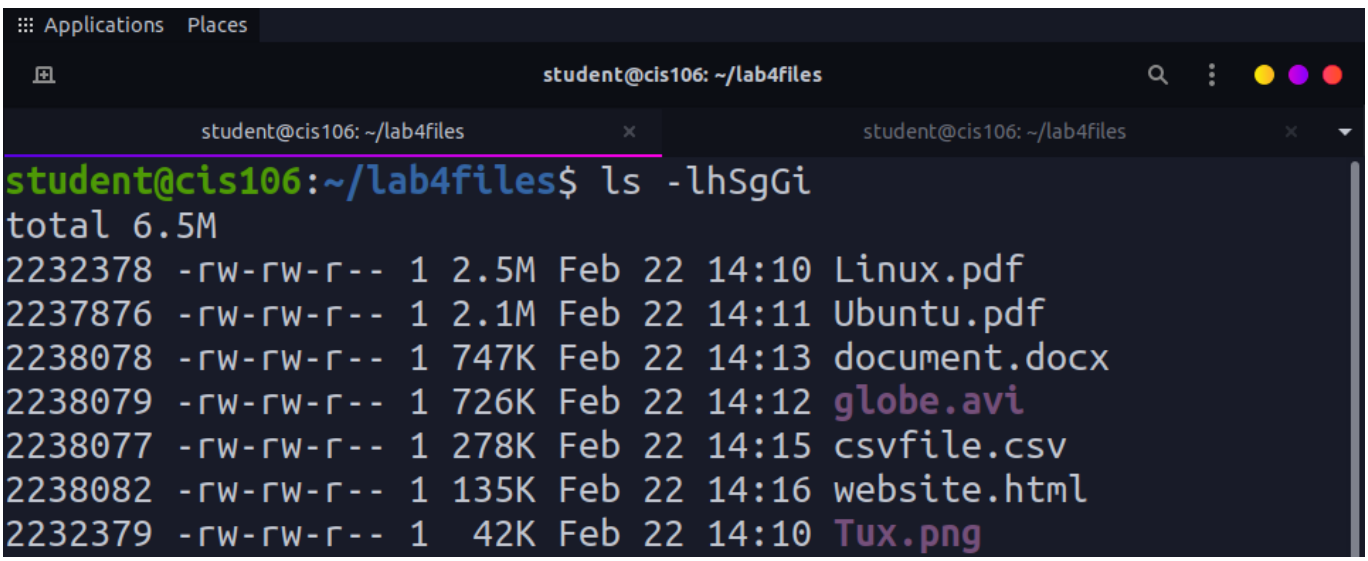
Table 1

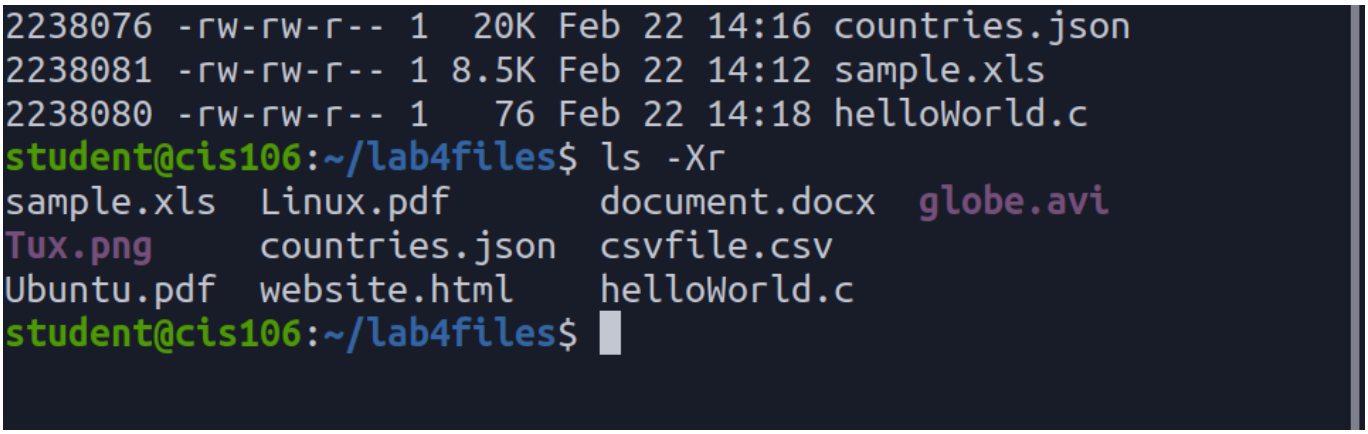
Table 2

Question 2

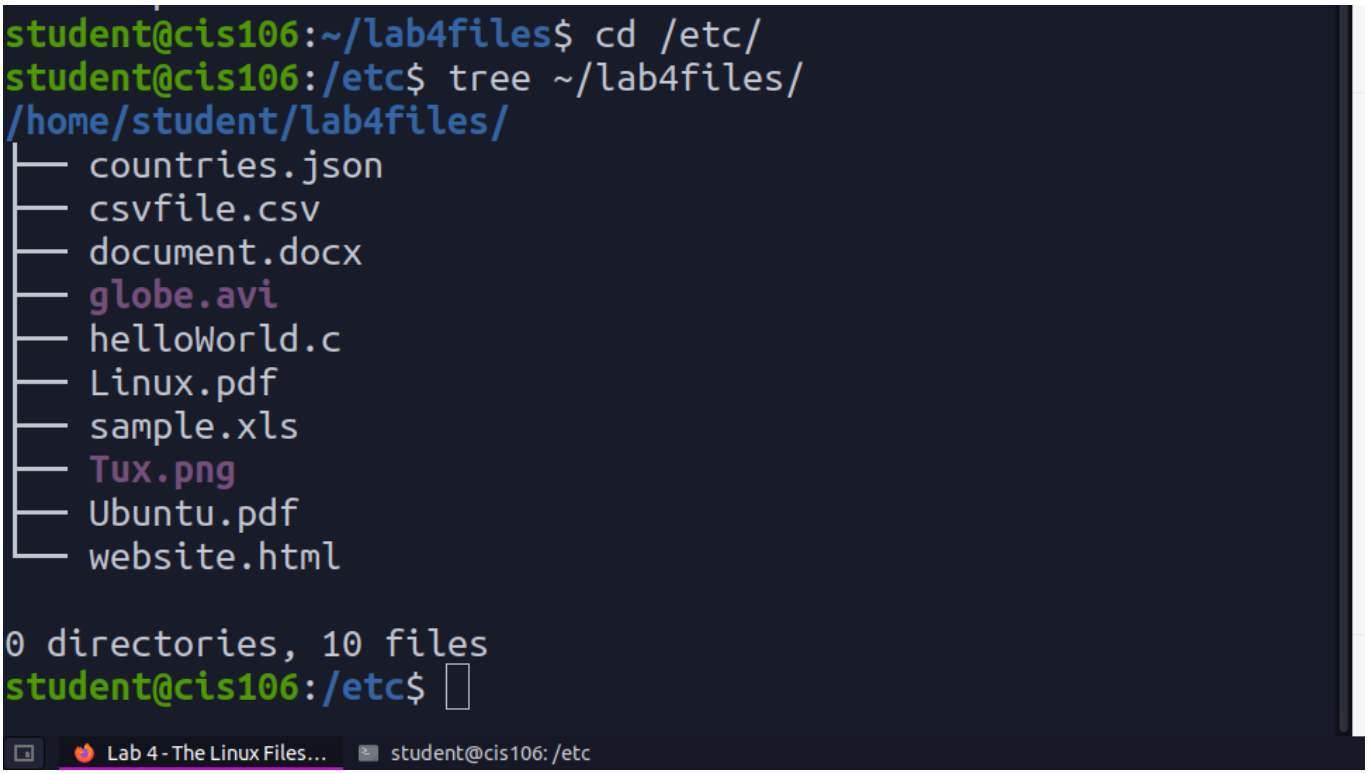
Question 3

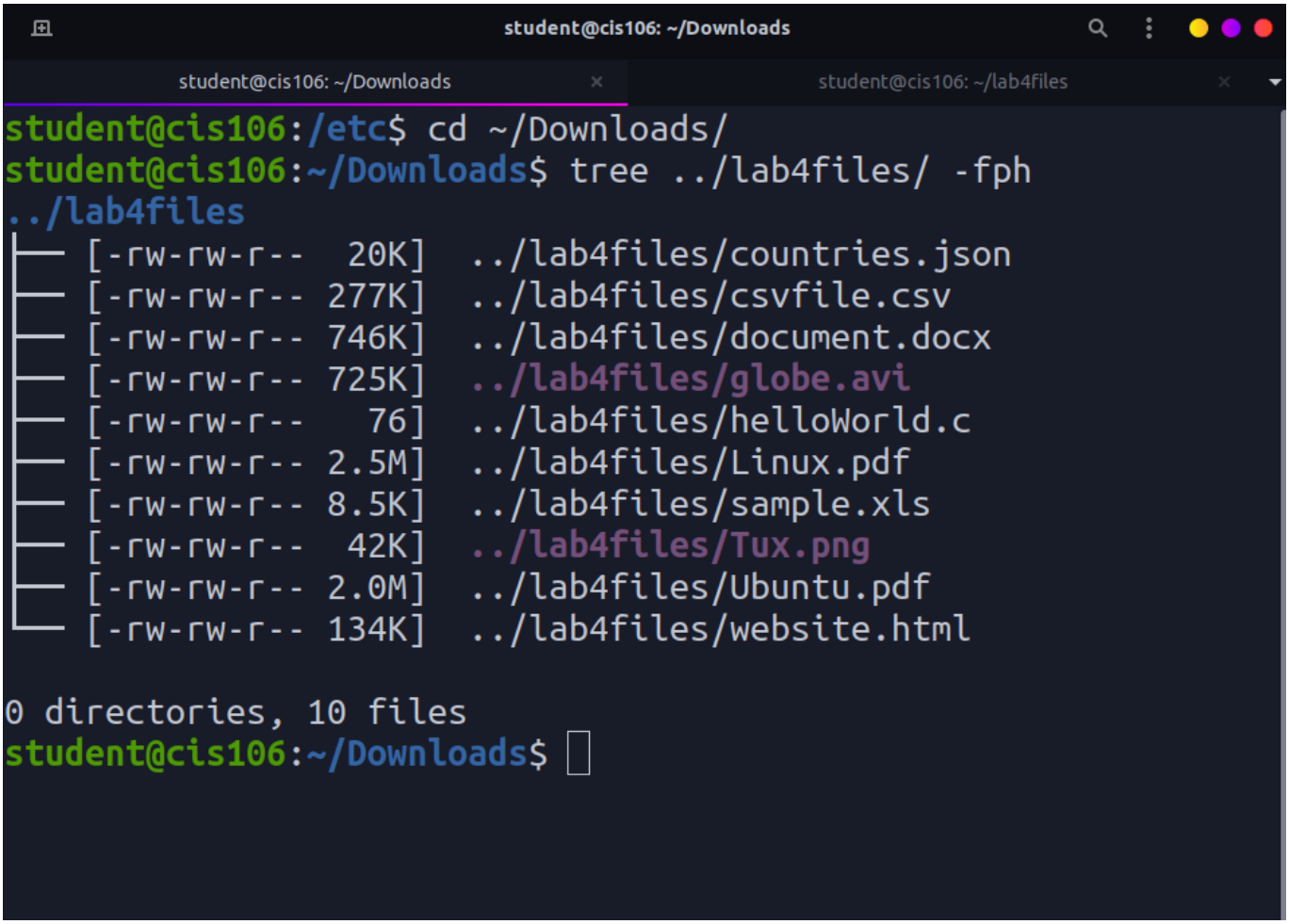

student@cis106: ~/lab4files
student@cis106: ~/lab4files
student@cis106: ~/lab4files
student@cis106:/usr/share$ ls /home/student/lab4files/
countries.json globe.avi sample.xls website.html
csvfile.csv helloWorld.c Tux.png
document.docx Linux.pdf Ubuntu.pdf
student@cis106:/usr/share$ cd ~/lab4files/
student@cis106:~/lab4files$ ls -lh
total 6.5M
-rw-rw-r-- 1 student student 20K Feb 22 14:16 countries.json
-rw-rw-r-- 1 student student 278K Feb 22 14:15 csvfile.csv
-rw-rw-r-- 1 student student 747K Feb 22 14:13 document.docx
-rw-rw-r-- 1 student student 726K Feb 22 14:12 globe.avi
-rw-rw-r-- 1 student student 76 Feb 22 14:18 helloWorld.c
-rw-rw-r-- 1 student student 2.5M Feb 22 14:10 Linux.pdf
-rw-rw-r-- 1 student student 8.5K Feb 22 14:12 sample.xls
-rw-rw-r-- 1 student student 42K Feb 22 14:10 Tux.png
-rw-rw-r-- 1 student student 2.1M Feb 22 14:11 Ubuntu.pdf
-rw-rw-r-- 1 student student 135K Feb 22 14:16 website.html
student@cis106:~/lab4files$ ls -lhS
total 6.5M
-rw-rw-r-- 1 student student 2.5M Feb 22 14:10 Linux.pdf
-rw-rw-r-- 1 student student 2.1M Feb 22 14:11 Ubuntu.pdf
-rw-rw-r-- 1 student student 747K Feb 22 14:13 document.docx
-rw-rw-r-- 1 student student 726K Feb 22 14:12 globe.avi
-rw-rw-r-- 1 student student 278K Feb 22 14:15 csvfile.csv
-rw-rw-r-- 1 student student 135K Feb 22 14:16 website.html
-rw-rw-r-- 1 student student 42K Feb 22 14:10 Tux.png
-rw-rw-r-- 1 student student 20K Feb 22 14:16 countries.json
-rw-rw-r-- 1 student student 8.5K Feb 22 14:12 sample.xls
-rw-rw-r-- 1 student student 76 Feb 22 14:18 helloWorld.c
student@cis106:~/lab4files$
Lab 4 - The Linux Files...
student@cis106: ~/la...


Applications Places
student@cis106: ~/lab4files
student@cis106: ~/lab4files
student@cis106: ~/lab4files
student@cis106:~/lab4files$ ls -lhSgGi
total 6.5M
2232378 -rw-rw-r-- 1 2.5M Feb 22 14:10 Linux.pdf
2237876 -rw-rw-r-- 1 2.1M Feb 22 14:11 Ubuntu.pdf
2238078 -rw-rw-r-- 1 747K Feb 22 14:13 document.docx
2238079 -rw-rw-r-- 1 726K Feb 22 14:12 globe.avi
2238077 -rw-rw-r-- 1 278K Feb 22 14:15 csvfile.csv
2238082 -rw-rw-r-- 1 135K Feb 22 14:16 website.html
2232379 -rw-rw-r-- 1 42K Feb 22 14:10 Tux.png

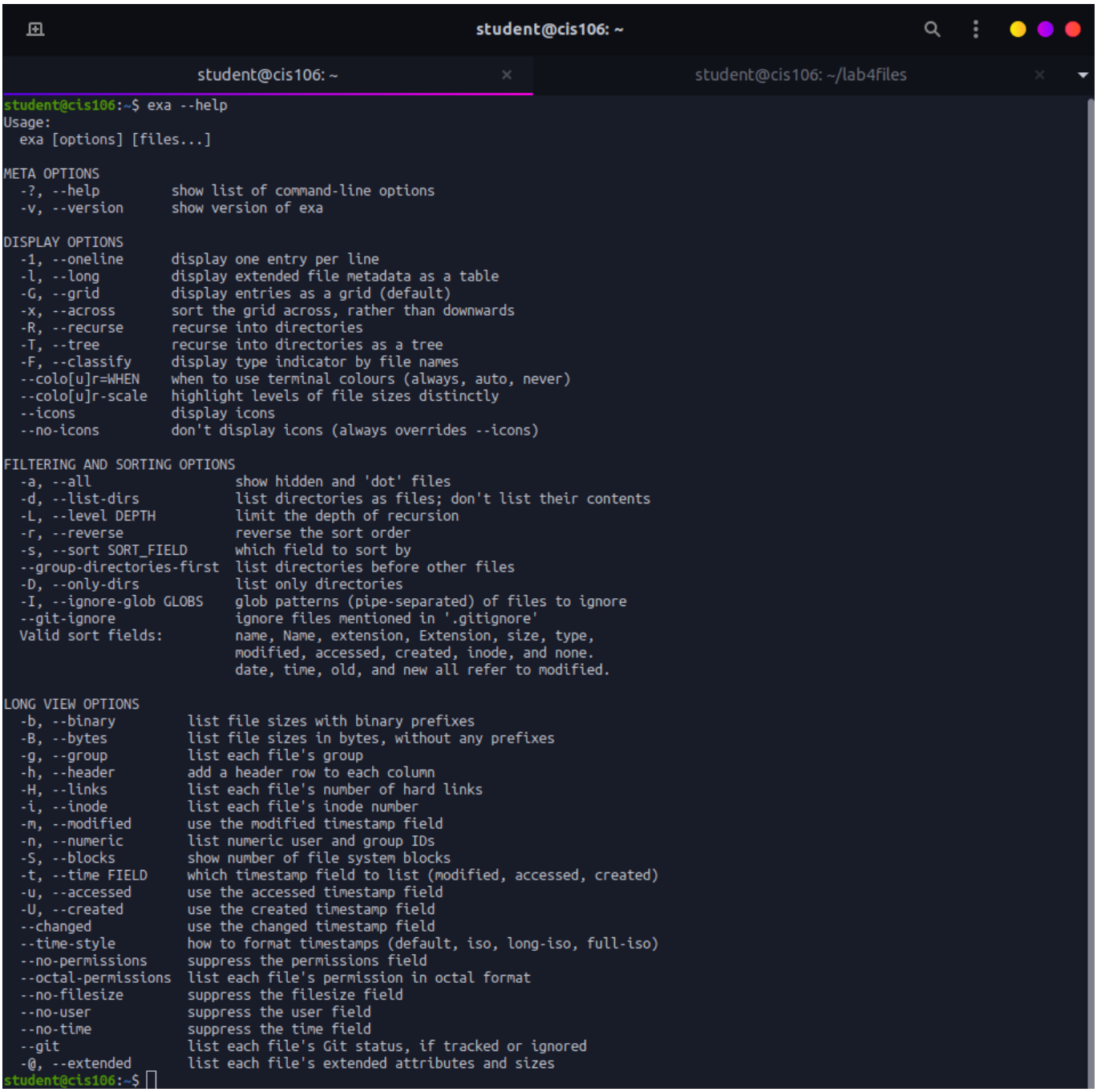

2238076 -rw-rw-r-- 1 20K Feb 22 14:16 countries.json
2238081 -rw-rw-r-- 1 8.5K Feb 22 14:12 sample.xls
2238080 -rw-rw-r-- 1   76 Feb 22 14:18 helloWorld.c
student@cis106:~/lab4files$ ls -Xr
sample.xls Linux.pdf   document.docx globe.avi
Tux.png   countries.json csvfile.csv
Ubuntu.pdf website.html   helloWorld.c
student@cis106:~/lab4files$

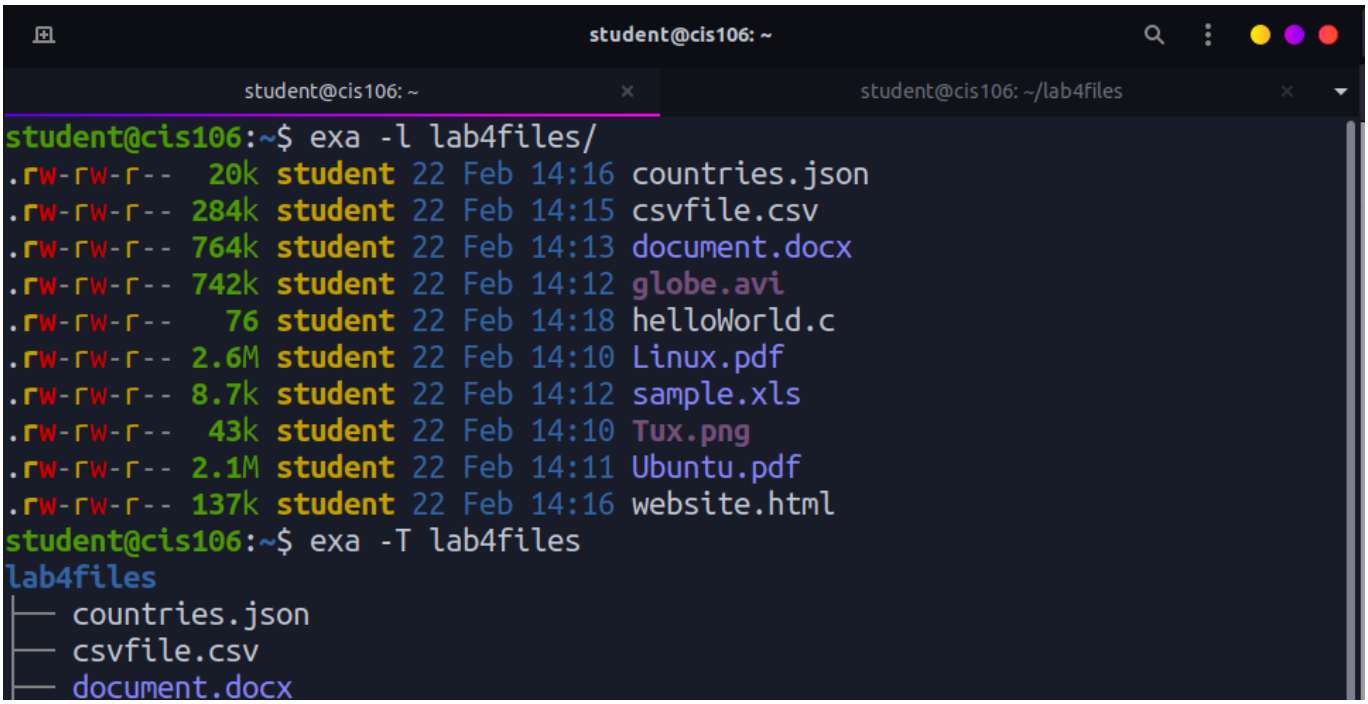
Question 4


student@cis106:~/lab4files$ cd /etc/
student@cis106:/etc$ tree ~/lab4files/
/home/student/lab4files/
├── countries.json
├── csvfile.csv
├── document.docx
├── globe.avi
├── helloWorld.c
├── Linux.pdf
├── sample.xls
├── Tux.png
├── Ubuntu.pdf
└── website.html
0 directories, 10 files
student@cis106:/etc$
Lab 4 - The Linux Files...
student@cis106: /etc


student@cis106: ~/Downloads
student@cis106: ~/Downloads
student@cis106: ~/lab4files
student@cis106:/etc$ cd ~/Downloads/
student@cis106:~/Downloads$ tree ../lab4files/ -fph
../lab4files
├── [-rw-rw-r-- 20K] ../lab4files/countries.json
├── [-rw-rw-r-- 277K] ../lab4files/csvfile.csv
├── [-rw-rw-r-- 746K] ../lab4files/document.docx
├── [-rw-rw-r-- 725K] ../lab4files/globe.avi
├── [-rw-rw-r-- 76] ../lab4files/helloWorld.c
├── [-rw-rw-r-- 2.5M] ../lab4files/Linux.pdf
├── [-rw-rw-r-- 8.5K] ../lab4files/sample.xls
├── [-rw-rw-r-- 42K] ../lab4files/Tux.png
├── [-rw-rw-r-- 2.0M] ../lab4files/Ubuntu.pdf
└── [-rw-rw-r-- 134K] ../lab4files/website.html
0 directories, 10 files
student@cis106:~/Downloads$

Question 5


student@cis106: ~
student@cis106: ~
student@cis106: ~/lab4files
student@cis106:~$ exa --help
Usage:
  exa [options] [files...]
META OPTIONS
  -?, --help   show list of command-line options
  -v, --version   show version of exa
DISPLAY OPTIONS
  -1, --oneline   display one entry per line
  -l, --long   display extended file metadata as a table
  -G, --grid   display entries as a grid (default)
  -x, --across   sort the grid across, rather than downwards
  -R, --recurse   recurse into directories
  -T, --tree   recurse into directories as a tree
  -F, --classify   display type indicator by file names
  --colo[u]r=WHEN   when to use terminal colours (always, auto, never)
  --colo[u]r-scale   highlight levels of file sizes distinctly
  --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
  -r, --reverse   reverse the sort order
  -s, --sort SORT_FIELD   which field to sort by
  --group-directories-first list directories before other files
  -D, --only-dirs   list only directories
  -I, --ignore-glob GLOBS   glob patterns (pipe-separated) of files to ignore
  --git-ignore   ignore files mentioned in '.gitignore'
  Valid sort fields: name, Name, extension, Extension, size, type,
                             modified, accessed, created, inode, and none.
                             date, time, old, and new all refer to modified.
LONG VIEW OPTIONS
  -b, --binary   list file sizes with binary prefixes
  -B, --bytes   list file sizes in bytes, without any prefixes
  -g, --group   list each file's group
  -h, --header   add a header row to each column
  -H, --links   list each file's number of hard links
  -i, --inode   list each file's inode number
  -m, --modified   use the modified timestamp field
  -n, --numeric   list numeric user and group IDs
  -S, --blocks   show number of file system blocks
  -t, --time FIELD   which timestamp field to list (modified, accessed, created)
  -u, --accessed   use the accessed timestamp field
  -U, --created   use the created timestamp field
  --changed   use the changed timestamp field
  --time-style   how to format timestamps (default, iso, long-iso, full-iso)
  --no-permissions   suppress the permissions field
  --octal-permissions list each file's permission in octal format
  --no-filesize   suppress the filesize field
  --no-user   suppress the user field
  --no-time   suppress the time field
  --git   list each file's Git status, if tracked or ignored
  -@, --extended   list each file's extended attributes and sizes
student@cis106:~$


student@cis106: ~
student@cis106: ~
student@cis106: ~/lab4files
student@cis106:~$ exa -l lab4files/
.rw-rw-r-- 20k student 22 Feb 14:16 countries.json
.rw-rw-r-- 284k student 22 Feb 14:15 csvfile.csv
.rw-rw-r-- 764k student 22 Feb 14:13 document.docx
.rw-rw-r-- 742k student 22 Feb 14:12 globe.avi
.rw-rw-r--   76 student 22 Feb 14:18 helloWorld.c
.rw-rw-r-- 2.6M student 22 Feb 14:10 Linux.pdf
.rw-rw-r-- 8.7k student 22 Feb 14:12 sample.xls
.rw-rw-r-- 43k student 22 Feb 14:10 Tux.png
.rw-rw-r-- 2.1M student 22 Feb 14:11 Ubuntu.pdf
.rw-rw-r-- 137k student 22 Feb 14:16 website.html
student@cis106:~$ exa -T lab4files
lab4files
├── countries.json
├── csvfile.csv
└── document.docx

globe.avi
helloWorld.c
Linux.pdf
sample.xls
Tux.png
Ubuntu.pdf
website.html
student@cis106:~$