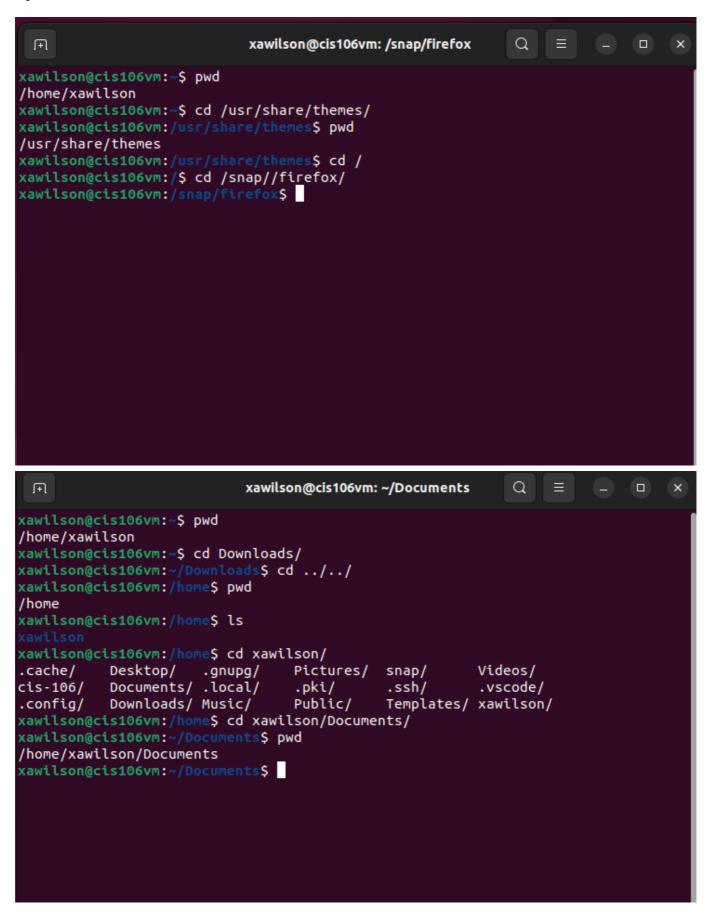
lab 4 Submission

Q.1



Q.2

1**Q**2

```
xawilson@cis106vm: ~/lab4files
                                                                              xawilson@cis106vm:-
xawilson@cis106vm:~/lab4files$ ls -lh
total 6.5M
-rw-rw-r-- 1 xawilson xawilson 20K Feb 22
                                            2022 countries.json
-rw-rw-r-- 1 xawilson xawilson 278K Feb 22
-rw-rw-r-- 1 xawilson xawilson 747K Feb 22
                                            2022 csvfile.csv
                                            2022 document.docx
-rw-rw-r-- 1 xawilson xawilson 726K Feb 22
                                            2022 a
c-rw-rw-r-- 1 xawilson xawilson 76 Feb 22
                                            2022 helloWorld.c
-rw-rw-r-- 1 xawilson xawilson 2.5M Feb 22
                                            2022 Linux.pdf
-rw-rw-r-- 1 xawilson xawilson 8.5K Feb 22
                                            2022 sample.xls
-rw-rw-r-- 1 xawilson xawilson 42K Feb 22
-rw-rw-r-- 1 xawilson xawilson 2.1M Feb 22
                                            2022
                                            2022 Ubuntu.pdf
-rw-rw-r-- 1 xawilson xawilson 135K Feb 22
xawilson@cis106vm:~/lab4files$ ls -lhS
                                            2022 website.html
total 6.5M
 -rw-rw-r-- 1 xawilson xawilson 2.5M Feb 22
                                            2022 Linux.pdf
-rw-rw-r-- 1 xawilson xawilson 2.1M Feb 22
-rw-rw-r-- 1 xawilson xawilson 747K Feb 22
                                            2022 Ubuntu.pdf
                                            2022 document.docx
-rw-rw-r-- 1 xawilson xawilson 726K Feb 22
                                            2022 globe
-rw-rw-r-- 1 xawilson xawilson 278K Feb 22
-rw-rw-r-- 1 xawilson xawilson 135K Feb 22
                                            2022 csvfile.csv
                                            2022 website.html
-rw-rw-r-- 1 xawilson xawilson 42K Feb 22
-rw-rw-r-- 1 xawilson xawilson 20K Feb 22
                                            2022 Tux.pn
                                            2022 countries.json
-rw-rw-r-- 1 xawilson xawilson 8.5K Feb 22
                                            2022 sample.xls
-rw-rw-r-- 1 xawilson xawilson
                                 76 Feb 22
                                            2022 helloWorld.c
xawilson@cis106vm:~/lab4files$
 xawilson@cis106vm:~/lab4files$ ls -lhSgGi
 total 6.5M
 1048799 -rw-rw-r-- 1 2.5M Feb 22
                                                 2022 Linux.pdf
 1048808 -rw-rw-r-- 1 2.1M Feb 22
                                                 2022 Ubuntu.pdf
 1048812 -rw-rw-r-- 1 747K Feb 22
                                                 2022 document.docx
 1048813 -rw-rw-r-- 1 726K Feb 22
                                                 2022 globe.avi
 1048589 -rw-rw-r-- 1 278K Feb 22
                                                 2022 csvfile.csv
 1048816 -rw-rw-r-- 1 135K Feb 22
                                                 2022 website.html
 1048806 -rw-rw-r-- 1
                               42K Feb 22
                                                 2022 Tux.png
 1048811 -rw-rw-r-- 1
                                20K Feb 22
                                                 2022 countries.json
 1048815 -rw-rw-r-- 1 8.5K Feb 22
                                                 2022 sample.xls
 1048814 -rw-rw-r-- 1
                                 76 Feb 22
                                                 2022 helloWorld.c
 xawilson@cis106vm:~/lab4files$ ls -Xr
 sample.xls Ubuntu.pdf countries.json
                                                                              helloWorld.c
                                                         document.docx
                  Linux.pdf
                                  website.html
                                                                              globe.avi
                                                         csvfile.csv
 xawilson@cis106vm:~/lab4files$
```

Q.3

```
xawilson@cis106vm: ~/Downloads
xawilson@cis106vm:/etc$ tree ~/lab4files/
   countries.json
   csvfile.csv

    document.docx

   globe.avi
   - helloWorld.c
  – Linux.pdf

    sample.xls

    Ubuntu.pdf
   website.html
0 directories, 10 files
xawilson@cis106vm:/etc$ cd ~/Downloads/
xawilson@cis106vm:~/Downloads$ tree -fph ../lab4files/
[drwxrwxr-x 4.0K]
    [-rw-rw-r-- 20K] ../lab4files/countries.json
                      ../lab4files/csvfile.csv
     -rw-rw-r-- 277K]
                      ../lab4files/document.docx
     -rw-rw-r-- 746K]
     -rw-rw-r-- 725K] ../lab4files/globe.av
                 76]
                      ../lab4files/helloWorld.c
     - FW- FW- F--
     -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
xawilson@cis106vm:~/Downloads$
```

```
xawiison@cis106vm: ~/Downloads
xawilson@cis106vm:~/Downloads$ tree -tug ../lab4files/
[xawilson xawilson]
   [xawilson xawilson]
                         Linux.pdf
    [xawilson xawilson]
                         Tux.png
    [xawilson xawilson]
                         Ubuntu.pdf
    [xawilson xawilson]
                         sample.xls
    [xawilson xawilson]
                         globe.avi
    [xawilson xawilson]
                         document.docx
    [xawilson xawilson]
                        csvfile.csv
    [xawilson xawilson]
                         countries.json
    [xawilson xawilson]
                         website.html
    [xawilson xawilson]
                         helloWorld.c
0 directories, 10 files
xawilson@cis106vm:~/Downloads$ exa help
"help": No such file or directory (os error 2)
xawilson@cis106vm:~/Downloads$ exa --help
Usage:
  exa [options] [files...]
META OPTIONS
                     show list of command-line options
  -?, --help
                     show version of exa
  -v, --version
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

```
ties
                                                       Oct
     Terminal
                                                xawilson@cis
   Ħ
                  xawilson@cis106vm: ~/Downloads
 xawilson@cis106vm:~/Downloads$ exa ~/lab4files/ -l
 .rw-rw-r-- 20k xawilson 22 Feb 14:16 countries.json
 .rw-rw-r-- 284k xawilson 22 Feb 14:15 csvfile.csv
 .rw-rw-r-- 764k xawilson 22 Feb 14:13 document.docx
    w-rw-r-- 76 xawilson 22 Feb 14:18 helloWorld.c
    w-rw-r-- 8.7k xawilson 22 Feb 14:12 sample.xls
 .rw-rw-r-- 43k xawilson 22 Feb 14:10 Tux.png
   w-rw-r-- 2.1M xawilson 22 Feb 14:11 Ubuntu.pdf
 .rw-rw-r-- 137k xawilson 22 Feb 14:16 website.html
 xawilson@cis106vm:~/Downloads$ exa ~/lab4files/ -lh
 <u>Permissions</u> <u>Size</u> <u>User</u>
                       <u>Date Modified Name</u>
 . FW- FW- F--
            20k xawilson 22 Feb 14:16
                                    countries.json
    /-rw-r-- 284k xawilson 22 Feb 14:15
                                    csvfile.csv
   v-rw-r-- 764k xawilson 22 Feb 14:13
                                    document.docx
    globe.avi
             76 xawilson 22 Feb 14:18
                                    helloWorld.c
   ı-rw-r-- 8.7k xawilson 22 Feb 14:12
                                    sample.xls
           43k xawilson 22 Feb 14:10
                                    Tux.png
   Ubuntu.pdf
 .rw-rw-r-- 137k xawilson 22 Feb 14:16
                                    website.html
 xawilson@cis106vm:~/Downloads$
```

```
xawilson@cis106vm:~/Downloads$ exa ~/lab4files/ -lh
<u>Permissions Size User</u>
                          Date Modified Name
             20k xawilson 22 Feb 14:16
                                        countries.json
            284k xawilson 22 Feb 14:15
                                        csvfile.csv
  w-rw-r-- 764k xawilson 22 Feb 14:13 document.docx
            742k xawilson 22 Feb 14:12
                                        globe.avi
             76 xawilson 22 Feb 14:18
                                        helloWorld.c
            2.6M xawilson 22 Feb 14:10 Linux.pdf
          8.7k xawilson 22 Feb 14:12
                                        sample.xls
            43k xawilson 22 Feb 14:10
                                        Tux.pnq
            2.1M xawilson 22 Feb 14:11
                                        Ubuntu.pdf
            137k xawilson 22 Feb 14:16
                                        website.html
xawilson@cis106vm:~/Downloads$ exa ~/lab4files/ -lh --no-user -u
Permissions Size Date Accessed Name
             20k 22 Feb 14:16 countries.json
            284k 22 Feb 14:15 csvfile.csv
. FW- FW- F--
                               document.docx
            764k
                               globe.avi
            742k 22
              76 22 Feb 14:18
                               helloWorld.c
                               Linux.pdf
            2.6M 22
                               sample.xls
           8.7k 22 Feb 14:12
            43k 22 Feb 14:10
                               Tux.png
                               Ubuntu.pdf
            2.1M
                               website.html
            137k 22 Feb 14:16
```