Final Exam Submission

Q1

```
angel922@cis106:~/midtermfiles3/question3$ ls -lh | cut -d ' ' -f2-12 |cat -n
     1  32K
     2  1 angel922 angel922 3.0K May 17 18:22 comp2syllabus.pdf
     3  1 angel922 angel922    0 May 17 18:59 help
     4  1 angel922 angel922 3.0K May 17 18:22 Linuxbook.pdf
     5  1 angel922 angel922 3.0K May 17 18:22 linuxhmw.pdf
     6  1 angel922 angel922 3.0K May 17 18:22 linuxnotes.pdf
     7  1 angel922 angel922 3.0K May 17 18:22 networkingbook.pdf
     8  1 angel922 angel922 3.0K May 17 18:22 networkinghmw.pdf
     9  1 angel922 angel922 3.0K May 17 18:22 networkingnotes.pdf
    10  5 angel922 angel922 4.0K May 17 18:47 spring22
angel922@cis106:~/midtermfiles3/question3$
```

Q2

```
    10  5 angel922 angel922 4.0K May 17 18:47 spring22
angel922@cis106:~/midtermfiles3/question3$ touch all files organized
angel922@cis106:~/midtermfiles3/question3$ touch ##documents
touch: missing file operand
Try 'touch --help' for more information.
angel922@cis106:~/midtermfiles3/question3$ ls
all               help            linuxnotes.pdf       networkingnotes.pdf
comp2syllabus.pdf Linuxbook.pdf   networkingbook.pdf   organized
files             linuxhmw.pdf    networkinghmw.pdf    spring22
angel922@cis106:~/midtermfiles3/question3$ touch documents
angel922@cis106:~/midtermfiles3/question3$ ls -lh | cut -d ' ' -f2-12 |cat -n
     1  32K
     2  1 angel922 angel922    0 May 17 19:35 all
     3  1 angel922 angel922 3.0K May 17 18:22 comp2syllabus.pdf
     4  1 angel922 angel922    0 May 17 19:35 documents
     5  1 angel922 angel922    0 May 17 19:35 files
     6  1 angel922 angel922    0 May 17 18:59 help
     7  1 angel922 angel922 3.0K May 17 18:22 Linuxbook.pdf
     8  1 angel922 angel922 3.0K May 17 18:22 linuxhmw.pdf
     9  1 angel922 angel922 3.0K May 17 18:22 linuxnotes.pdf
    10  1 angel922 angel922 3.0K May 17 18:22 networkingbook.pdf
    11  1 angel922 angel922 3.0K May 17 18:22 networkinghmw.pdf
    12  1 angel922 angel922 3.0K May 17 18:22 networkingnotes.pdf
    13  1 angel922 angel922    0 May 17 19:35 organized
    14  5 angel922 angel922 4.0K May 17 18:47 spring22
angel922@cis106:~/midtermfiles3/question3$
```

q2.2
q2.3

Q3

```
angel922@cis106:~/midtermfiles3/question3/spring22$ tree
.
├── cis106
│   ├── hmw
│   ├── material
│   └── notes
├── cis180                                        2 / 3
│   ├── hmw
│   ├── material
│   └── notes
└── eng102
    ├── hmw
    ├── material
    └── notes

12 directories, 0 files
angel922@cis106:~/midtermfiles3/question3/spring22$ ls
cis106   cis180   eng102
angel922@cis106:~/midtermfiles3/question3/spring22$ cd
angel922@cis106:~$ cd ~/midtermfiles3/question3
angel922@cis106:~/midtermfiles3/question3$ ls
comp2syllabus.pdf   linuxhmw.pdf      networkingbook.pdf   networkingnotes.
Linuxbook.pdf       linuxnotes.pdf   networkinghmw.pdf    spring22
angel922@cis106:~/midtermfiles3/question3$ sudo apt install apache2 -y
[sudo] password for angel922:
Reading package lists... Done
Building dependency tree
Reading state information... Done
apache2 is already the newest version (2.4.41-4ubuntu3.10).
The following packages were automatically installed and are no longer r
  apport-symptoms guile-2.2-libs libgc1c2 libgnome-games-support-1-3
  libgnome-games-support-common libqqwing2v5 python3-systemd
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 111 not upgraded
```

```
angel922@cis106:~$ cd ~/midtermfiles3/question3
angel922@cis106:~/midtermfiles3/question3$ ls
all             documents  help          linuxhmw.pdf    networkingbook.pdf  networkingnotes.pdf  spring22
comp2syllabus.pdf  files       Linuxbook.pdf  linuxnotes.pdf  networkinghmw.pdf   organized
angel922@cis106:~/midtermfiles3/question3$ tree spring22
spring22
├── cis106
│   ├── hmw
│   ├── material
│   └── notes
├── cis180
│   ├── hmw
│   ├── material
│   └── notes
└── eng102
    ├── hmw
    ├── material
    └── notes

12 directories, 0 files
angel922@cis106:~/midtermfiles3/question3$ tree -r spring22/ ~> katrina.html
angel922@cis106:~/midtermfiles3/question3$
```

Q4

```
angel922@cis106:~/midtermfiless/question1

angel922@cis106:~$ cd ~/midtermfiles3/question1
angel922@cis106:~/midtermfiles3/question1$ ls
about.html      hello.rb     linux.txt     Ubuntu-logo.svg    windows.txt
accounts.ods    hello.sh     macos.docx    users-data.ods
basicInfo.txt   index.html   MacOS_logo.svg  windows.docx
contact.html    linux.docx   macos.pdf     Windows_logo.svg
hello.py        linux.pdf    macos.txt     windows.pdf
angel922@cis106:~/midtermfiles3/question1$ stat Ubuntu-logo.svg
  File: Ubuntu-logo.svg
  Size: 699        Blocks: 8        IO Block: 4096    regular file
Device: 805h/2053d    Inode: 1891396    Links: 1
Access: (0664/-rw-rw-r--) Uid: ( 1000/angel922)   Gid: ( 1000/angel922)
Access: 2022-05-17 18:22:32.203185596 -0400
Modify: 2022-05-17 18:22:32.203185596 -0400
Change: 2022-05-17 18:22:32.203185596 -0400
 Birth: -
angel922@cis106:~/midtermfiles3/question1$ sudo mv Ubuntu-logo.svg /usr/share/backgrounds/Ubuntu.png
[sudo] password for angel922:
angel922@cis106:~/midtermfiles3/question1$ ls -l --fulltime /usr/share/backgrounds/Ubuntu.png
ls: unrecognized option '--fulltime'
Try 'ls --help' for more information.
angel922@cis106:~/midtermfiles3/question1$ ls -l /usr/share/backgrounds/Ubuntu.png
-rw-rw-r-- 1 angel922 angel922 699 May 17 18:22 /usr/share/backgrounds/Ubuntu.png
angel922@cis106:~/midtermfiles3/question1$ 
```