name : Monil Chauhan Course : CIS 106 DATE: 12/2/23

QUESTION 1:

```
monilcis106@monilcis106-VirtualBox:~$ ls lab6/*.log
lab6/88_Application-log.log  lab6/dpkg.log         lab6/kern.log          lab6/tex.log
lab6/alternatives.log        lab6/dviluatex.log    lab6/luahbtex.log     lab6/ubuntu-advantage.log
lab6/apache01-error.log      lab6/etex.log         lab6/luatex.log        lab6/unattended-upgrades-dpkg.log
lab6/apache22.log            lab6/fontconfig.log   lab6/mf.log            lab6/unattended-upgrades.log
lab6/auth.log                lab6/gpu-manager.log  lab6/pdfetex.log       lab6/unattended-upgrades-shutdown.log
lab6/bootstrap.log           lab6/history.log      lab6/pdftex.log        lab6/updmap.log
lab6/casper.log              lab6/http404.log      lab6/term.log
monilcis106@monilcis106-VirtualBox:~$ mkdir lab6/log-files
monilcis106@monilcis106-VirtualBox:~$ mv lab6/*.log lab6/log-files/
monilcis106@monilcis106-VirtualBox:~$ ls /etc/*.conf
/etc/adduser.conf          /etc/e2scrub.conf    /etc/kernel-img.conf   /etc/nftables.conf   /etc/sensors3.conf
/etc/apg.conf              /etc/fprintd.conf    /etc/kerneloops.conf   /etc/nsswitch.conf   /etc/sudo.conf
/etc/appstream.conf        /etc/fuse.conf       /etc/ld.so.conf        /etc/pam.conf        /etc/sudo_logsrvd.conf
/etc/brltty.conf           /etc/gai.conf        /etc/libao.conf        /etc/pnm2ppa.conf    /etc/sysctl.conf
/etc/ca-certificates.conf  /etc/hdparm.conf     /etc/libaudit.conf     /etc/resolv.conf     /etc/ucf.conf
/etc/debconf.conf          /etc/host.conf       /etc/logrotate.conf    /etc/rsyslog.conf    /etc/usb_modeswitch.conf
/etc/deluser.conf          /etc/inxi.conf       /etc/mke2fs.conf       /etc/rygel.conf      /etc/xattr.conf
monilcis106@monilcis106-VirtualBox:~$ ls -l /etc/h*.conf /etc/p*.conf
-rw-r--r-- 1 root root 4436 Dec 15  2020 /etc/hdparm.conf
-rw-r--r-- 1 root root   92 Oct 15  2021 /etc/host.conf
-rw-r--r-- 1 root root  552 Aug 11  2020 /etc/pam.conf
-rw-r--r-- 1 root root 7649 Aug  7 18:55 /etc/pnm2ppa.conf
monilcis106@monilcis106-VirtualBox:~$ ls -lSgGh --time-style=+%D /etc/h*.conf /etc/p*.conf
-rw-r--r-- 1 7.5K 08/07/23 /etc/pnm2ppa.conf
-rw-r--r-- 1 4.4K 12/15/20 /etc/hdparm.conf
-rw-r--r-- 1  552 08/11/20 /etc/pam.conf
-rw-r--r-- 1   92 10/15/21 /etc/host.conf
monilcis106@monilcis106-VirtualBox:~$
```

QUESTION 2:

```
monilcis106@monilcis106-VirtualBox:~$ cd lab6
monilcis106@monilcis106-VirtualBox:~/lab6$ ls .??*
.auto-changelog  .editorconfig   .gitkeep                        .jshintignore  .npmignore              .tonic_example.js
.babelrc         .eslintignore   .gitmodules                     .jshintrc      .nycrc                  .travis.yml
.bash_history    .eslintrc       .gsd-keyboard.settings-ported   .keep          .parentlock             .vsixmanifest
.bash_logout     .eslintrc.js    .hidden                         .last_revision .profile
.bashrc          .eslintrc.json  .htaccess                       .lint          .sudo_as_admin_successful
.changed         .eslintrc.yml   .istanbul.yml                   .metadata-v2   .tern-project
.coveralls.yml   .gitattributes  .jscs.json                      .meta.isrunning .testignore
.dir-locals.el   .gitconfig      .jscsrc                         .min-wd        .tm_properties
monilcis106@monilcis106-VirtualBox:~/lab6$ ls -A *.*.??
ls: cannot access '*.*.??': No such file or directory
monilcis106@monilcis106-VirtualBox:~/lab6$ ls -A *.??
file_00.sh  file_01.sh  file_02.sh  file_03.sh  file_04.sh  file_05.sh
monilcis106@monilcis106-VirtualBox:~/lab6$ ls l?st*
last.txt  list.txt  lost.txt
monilcis106@monilcis106-VirtualBox:~/lab6$ ls *_??.*
file_00.sh  file_01.sh  file_02.sh  file_03.sh  file_04.sh  file_05.sh
monilcis106@monilcis106-VirtualBox:~/lab6$
```

QUESTION 3:

```
monilcis106@monilcis106-VirtualBox:~/lab6$ ls [A-Z]*
Document.doc  Expenses.xls
monilcis106@monilcis106-VirtualBox:~/lab6$ ls [A-Z0-9]*
25Games.lst  Document.doc  Expenses.xls
monilcis106@monilcis106-VirtualBox:~/lab6$ ls [0-9]*
25Games.lst
monilcis106@monilcis106-VirtualBox:~/lab6$ ls [a-z]*[0-9].*
apache03.err  file_00.sh  file_01.sh  file_02.sh  file_03.sh  file_04.sh  file_05.sh
monilcis106@monilcis106-VirtualBox:~/lab6$
```

QUESTION 4:

```
monilcis106@monilcis106-VirtualBox:~/lab6$ mkdir -p wallpapers/{cars}/{1080p,2k,4k}
monilcis106@monilcis106-VirtualBox:~/lab6$ tree wallpapers/
wallpapers/
└── {cars}
    ├── 1080p
    ├── 2k
    └── 4k

4 directories, 0 files
monilcis106@monilcis106-VirtualBox:~/lab6$ rm -r wallpapers/
monilcis106@monilcis106-VirtualBox:~/lab6$ mkdir -p wallpapers/cars/{1080p,2k,4k}
monilcis106@monilcis106-VirtualBox:~/lab6$ tree wallpapers/
wallpapers/
└── cars
    ├── 1080p
    ├── 2k
    └── 4k

4 directories, 0 files
monilcis106@monilcis106-VirtualBox:~/lab6$ rm -r wallpapers/cars/{2k,4k}
monilcis106@monilcis106-VirtualBox:~/lab6$ tree wallpapers/
wallpapers/
└── cars
    └── 1080p

2 directories, 0 files
monilcis106@monilcis106-VirtualBox:~/lab6$
```

```
monilcis106@monilcis106-VirtualBox:~/lab6$ rm -r wallpapers/
monilcis106@monilcis106-VirtualBox:~/lab6$ mkdir -p wallpapers/cars/{1080p,2k,4k+}
monilcis106@monilcis106-VirtualBox:~/lab6$ tree wallpapers/
wallpapers/
└── cars
    ├── 1080p
    ├── 2k
    └── 4k+

4 directories, 0 files
monilcis106@monilcis106-VirtualBox:~/lab6$ mkdir -p assets/{imgs,video}/{large,small}
monilcis106@monilcis106-VirtualBox:~/lab6$ tree assets/
assets/
├── imgs
│   ├── large
│   └── small
└── video
    ├── large
    └── small

6 directories, 0 files
```
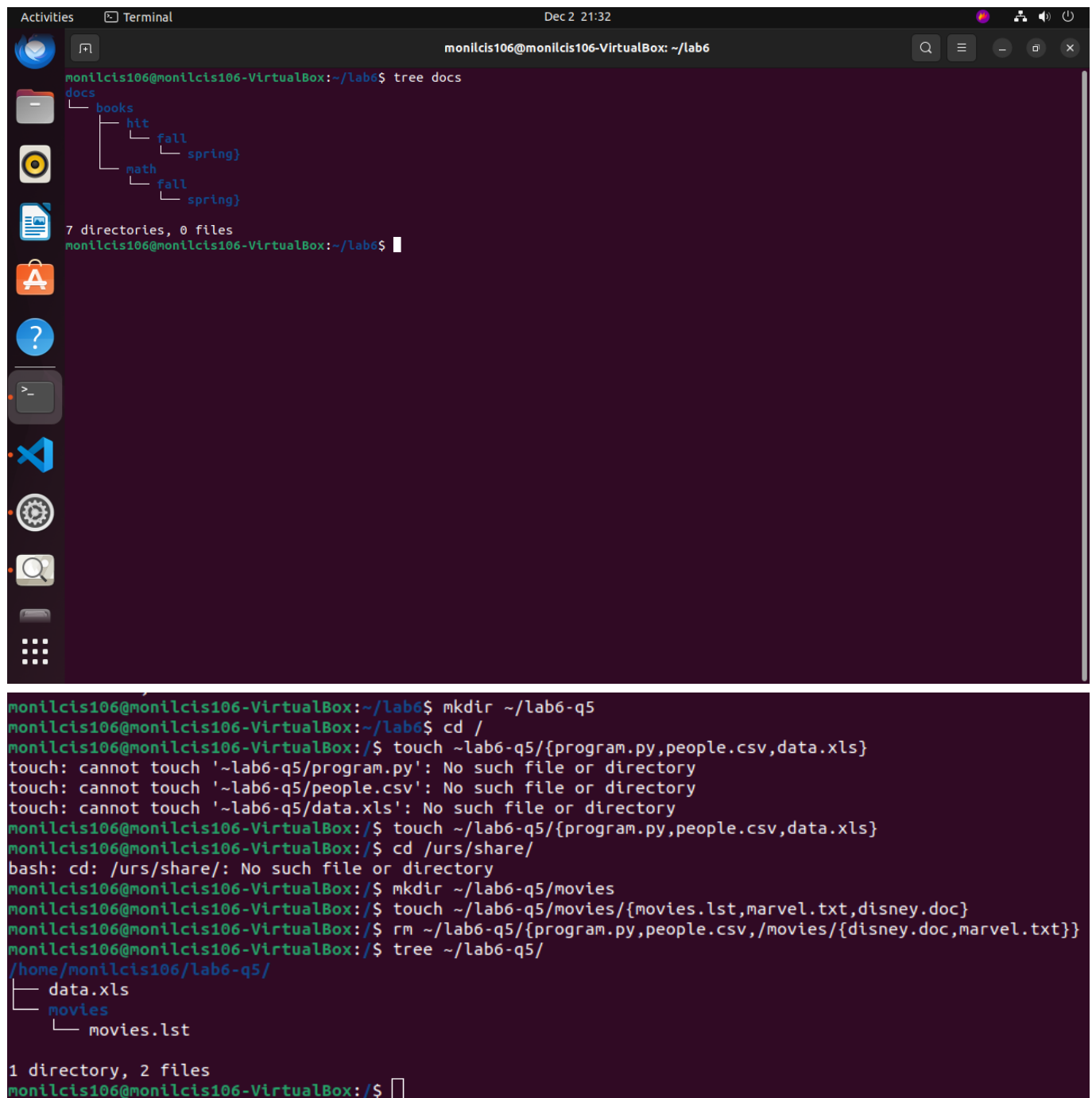
```
monilcis106@monilcis106-VirtualBox:~/lab6$ mkdir -p docs/books/{hit,math}/fall/spring}
monilcis106@monilcis106-VirtualBox:~/lab6$ touch docs/books/{hot,math}/{fall/spring}/book.pdf
touch: cannot touch 'docs/books/hot/{fall/spring}/book.pdf': No such file or directory
touch: cannot touch 'docs/books/math/{fall/spring}/book.pdf': No such file or directory
monilcis106@monilcis106-VirtualBox:~/lab6$ ouch docs/books/{hot,math}/{fall/spring}/book.pdf
Command 'ouch' not found, did you mean:
  command 'touch' from deb coreutils (8.32-4.1ubuntu1)
Try: sudo apt install <deb name>
monilcis106@monilcis106-VirtualBox:~/lab6$ touch docs/books/{hot,math}/{fall/spring}/book.pdf
touch: cannot touch 'docs/books/hot/{fall/spring}/book.pdf': No such file or directory
touch: cannot touch 'docs/books/math/{fall/spring}/book.pdf': No such file or directory
```

```
Activities      Terminal                        Dec 2 21:32

                      monilcis106@monilcis106-VirtualBox: ~/lab6

monilcis106@monilcis106-VirtualBox:~/lab6$ tree docs
docs
└── books
    ├── hit
    │   └── fall
    │       └── spring}
    └── math
        └── fall
            └── spring}

7 directories, 0 files
monilcis106@monilcis106-VirtualBox:~/lab6$

                              3 / 4
```

```
monilcis106@monilcis106-VirtualBox:~/lab6$ mkdir ~/lab6-q5
monilcis106@monilcis106-VirtualBox:~/lab6$ cd /
monilcis106@monilcis106-VirtualBox:/$ touch ~lab6-q5/{program.py,people.csv,data.xls}
touch: cannot touch '~lab6-q5/program.py': No such file or directory
touch: cannot touch '~lab6-q5/people.csv': No such file or directory
touch: cannot touch '~lab6-q5/data.xls': No such file or directory
monilcis106@monilcis106-VirtualBox:/$ touch ~/lab6-q5/{program.py,people.csv,data.xls}
monilcis106@monilcis106-VirtualBox:/$ cd /urs/share/
bash: cd: /urs/share/: No such file or directory
monilcis106@monilcis106-VirtualBox:/$ mkdir ~/lab6-q5/movies
monilcis106@monilcis106-VirtualBox:/$ touch ~/lab6-q5/movies/{movies.lst,marvel.txt,disney.doc}
monilcis106@monilcis106-VirtualBox:/$ rm ~/lab6-q5/{program.py,people.csv,/movies/{disney.doc,marvel.txt}}
monilcis106@monilcis106-VirtualBox:/$ tree ~/lab6-q5/
/home/monilcis106/lab6-q5/
├── data.xls
└── movies
    └── movies.lst

1 directory, 2 files
monilcis106@monilcis106-VirtualBox:/$
```

Challenge:

```
monilcis106@monilcis106-VirtualBox:~$ curl https://cis106.com/assets/lab6cq.sh | bash
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
100   165  100   165    0     0    234      0 --:--:-- --:--:-- --:--:--   234
monilcis106@monilcis106-VirtualBox:~$ mkdir -p challenge-Lab6/{audio/{aac,mp3}, docs/{docs,pdf,xls},images/{jpg,png}}
monilcis106@monilcis106-VirtualBox:~$ tree challenge-Lab6/
challenge-Lab6/
├── {audio
│   ├── aac,
│   └── mp3,
├── docs1.docx
├── docs1.pdf
├── docs2.docx
├── docs2.pdf
├── image1.gif
├── image1.jpg
├── image1.png
├── image2.gif
├── image2.jpg
├── image2.png
├── program.go
├── program.py
├── program.rb
├── program.sh
├── song1.aac
├── song1.mp3
├── song2.aac
└── song2.mp3

3 directories, 18 files
```

FINISHED