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Semester: Spring 24

Assignment: Lab 6

Lab 6 Submission

Question 1

```
aluna1740@ironhide:~$ ls lab6/*.log
lab6/88_Application-log.log   lab6/luahbtex.log
lab6/alternatives.log         lab6/luatex.log
lab6/apache01-error.log       lab6/mf.log
lab6/apache22.log             lab6/pdfetex.log
lab6/auth.log                 lab6/pdftex.log
lab6/bootstrap.log            lab6/term.log
lab6/casper.log               lab6/tex.log
lab6/dpkg.log                 lab6/ubuntu-advantage.log
lab6/dviluatex.log            lab6/unattended-upgrades-dpkg.log
lab6/etex.log                 lab6/unattended-upgrades.log
lab6/fontconfig.log           lab6/unattended-upgrades-shutdown.log
lab6/gpu-manager.log          lab6/vboxadd-setup.log
lab6/history.log              lab6/Xorg.0.log
lab6/http404.log              lab6/Xorg.1.log
lab6/kern.log
aluna1740@ironhide:~$ mkdir lab6/log-files
aluna1740@ironhide:~$ mv lab6/*.log lab6/log-files/
aluna1740@ironhide:~$ ls lab6/*.conf
ls: cannot access 'lab6/*.conf': No such file or directory
aluna1740@ironhide:~$ 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
aluna1740@ironhide:~$
```

```
aluna1740@ironhide:~$ 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
aluna1740@ironhide:~$
```

Question 2

```
1: aluna1740@ironhide: ~/lab6 ∨
aluna1740@ironhide:~/lab6$ ls -a .??*
.airtap.yml        .gitkeep              .meta.isrunning          .vboxclient-clipboard-tty7-service.pid
.bash_history      .gitmodules           .min-wd                  .vboxclient-draganddrop-tty2-control.pid
.bash_logout       .gsd-keyboard.settings-ported  .nojekyll       .vboxclient-draganddrop-tty7-control.pid
.bashrc            .hidden               .npmignore               .vboxclient-draganddrop-tty7-service.pid
.changed           .hidden1.doc          .nycrc                   .vboxclient-hostversion-tty2-control.pid
.coveralls.yml     .hidden1.py           .obsolete                .vboxclient-hostversion-tty7-control.pid
.dir-locals.el     .hidden2.doc          .parentlock              .vboxclient-seamless-tty2-control.pid
.dmrc              .hidden2.py           .prettierignore          .vboxclient-seamless-tty7-control.pid
.editorconfig      .hiddenFile.txt       .prettierrc.yaml         .vboxclient-seamless-tty7-service.pid
.env               .htaccess             .profile                 .vboxclient-vmsvga-session-tty2-control.pid
.eslintignore      .ignore               .releaserc.json          .vboxclient-vmsvga-session-tty7-control.pid
.eslintrc          .jscs.json            .spmignore               .vboxclient-vmsvga-session-tty7-service.pid
.eslintrc.js       .jscsrc               .sudo_as_admin_successful  .vsixmanifest
.eslintrc.json     .jshintrc             .tern-project            .Xauthority
.eslintrc.yml      .keep                 .tm_properties           .xsession-errors
.flake8            .last_revision        .tonic_example.js        .xsession-errors.old
.gitattributes     .lesshst              .travis.yml              .zuul.yml
.gitconfig         .lock                 .vboxclient-clipboard-tty2-control.pid
.gitignore         .metadata-v2          .vboxclient-clipboard-tty7-control.pid
aluna1740@ironhide:~/lab6$
```

```
aluna1740@ironhide:~/lab6$
aluna1740@ironhide:~/lab6$ ls -A *.??
file_00.sh  file_01.sh  file_02.sh  file_03.sh  file_04.sh  file_05.sh
aluna1740@ironhide:~/lab6$
```

```
aluna1740@ironhide:~/lab6$ ls -A l?st*.*
last.txt  list.txt  lost.txt
aluna1740@ironhide:~/lab6$
```

```
aluna1740@ironhide:~/lab6$ ls *_*??.*
file_00.sh  file_01.sh  file_02.sh  file_03.sh  file_04.sh  file_05.sh
aluna1740@ironhide:~/lab6$
```

Question 3

```
aluna1740@ironhide:~/lab6$ ls -A [A-Z]*.*
Document.doc  Expenses.xls
aluna1740@ironhide:~/lab6$ ls -A [A-Z0-9]*.*
25Games.lst  Document.doc  Expenses.xls
aluna1740@ironhide:~/lab6$ ls -A *[0-9]*
25Games.lst   file_00.sh  file_02.sh  file_04.sh  trip22-info.doc
apache03.err  file_01.sh  file_03.sh  file_05.sh
aluna1740@ironhide:~/lab6$ ls -A [a-z]*[0-9].*
apache03.err  file_01.sh  file_03.sh  file_05.sh
file_00.sh    file_02.sh  file_04.sh
aluna1740@ironhide:~/lab6$
```

Question 4

```
aluna1740@ironhide:~/lab6$ mkdir -p wallpapers/cars/{1080p,2k,4k}
aluna1740@ironhide:~/lab6$ tree
.
├── 25Games.lst
├── apache03.err
├── Document.doc
├── Expenses.xls
├── file_00.sh
├── file_01.sh
├── file_02.sh
├── file_03.sh
├── file_04.sh
├── file_05.sh
├── last.txt
├── list.txt
├── log-files
│   ├── 88_Application-log.log
```

```
aluna1740@ironhide:~/lab6$ tree wallpapers/
wallpapers/
└── cars
    ├── 1080p
    ├── 2k
    └── 4k

4 directories, 0 files
aluna1740@ironhide:~/lab6$
```

```
aluna1740@ironhide:~/lab6$ mkdir -p assets/{imgs,videos}/{large,small}
aluna1740@ironhide:~/lab6$ tree assets/
assets/
├── imgs
│   ├── large
│   └── small
└── videos
    ├── large
    └── small

6 directories, 0 files
aluna1740@ironhide:~/lab6$
```

```
aluna1740@ironhide:~/lab6$ mkdir -p docs/books/{history,math}/{fall,spring}
aluna1740@ironhide:~/lab6$ touch -p docs/books/{history,math}/{fall,spring}/book.pdf
touch: invalid option -- 'p'
Try 'touch --help' for more information.
aluna1740@ironhide:~/lab6$ touch docs/books/{history,math}/{fall,spring}/book.pdf
aluna1740@ironhide:~/lab6$ tree docs
docs
└── books
    ├── history
    │   ├── fall
    │   │   └── book.pdf
    │   └── spring
    │       └── book.pdf
    └── math
        ├── fall
        │   └── book.pdf
        └── spring
            └── book.pdf

7 directories, 4 files
aluna1740@ironhide:~/lab6$
```

```
aluna1740@ironhide:~$ mkdir lab6-q5
aluna1740@ironhide:~$ cd/
bash: cd/: No such file or directory
aluna1740@ironhide:~$ cd /
aluna1740@ironhide:/$ touch ~lab6-5/{program.py,people.csv,data.xls}
touch: cannot touch '~lab6-5/program.py': No such file or directory
touch: cannot touch '~lab6-5/people.csv': No such file or directory
touch: cannot touch '~lab6-5/data.xls': No such file or directory
aluna1740@ironhide:/$ touch ~/lab6-5/{program.py,people.csv,data.xls}
touch: cannot touch '/home/aluna1740/lab6-5/program.py': No such file or directory
touch: cannot touch '/home/aluna1740/lab6-5/people.csv': No such file or directory
touch: cannot touch '/home/aluna1740/lab6-5/data.xls': No such file or directory
aluna1740@ironhide:/$ touch ~/lab6-q5/{program.py,people.csv,data.xls}
aluna1740@ironhide:/$ cd /usr/share
aluna1740@ironhide:/usr/share$ mkdir ~/lab6-q5/movies
aluna1740@ironhide:/usr/share$ touch ~/lab6-q5/movies/{movies.lst,marvel.txt,disney.doc}
aluna1740@ironhide:/usr/share$ rm ~/lab6-q5/{program.py,people.csv,/movies/{disney.doc,marvel.txt}}
aluna1740@ironhide:/usr/share$
```

```
aluna1740@ironhide:~$ mkdir lab6-q5
aluna1740@ironhide:~$ cd/
bash: cd/: No such file or directory
aluna1740@ironhide:~$ cd /
aluna1740@ironhide:/$ touch ~lab6-5/{program.py,people.csv,data.xls}
touch: cannot touch '~lab6-5/program.py': No such file or directory
touch: cannot touch '~lab6-5/people.csv': No such file or directory
touch: cannot touch '~lab6-5/data.xls': No such file or directory
aluna1740@ironhide:/$ touch ~/lab6-5/{program.py,people.csv,data.xls}
touch: cannot touch '/home/aluna1740/lab6-5/program.py': No such file or directory
touch: cannot touch '/home/aluna1740/lab6-5/people.csv': No such file or directory
touch: cannot touch '/home/aluna1740/lab6-5/data.xls': No such file or directory
aluna1740@ironhide:/$ touch ~/lab6-q5/{program.py,people.csv,data.xls}
aluna1740@ironhide:/$ cd /usr/share
aluna1740@ironhide:/usr/share$ mkdir ~/lab6-q5/movies
aluna1740@ironhide:/usr/share$ touch ~/lab6-q5/movies/{movies.lst,marvel.txt,disney.doc}
aluna1740@ironhide:/usr/share$ rm ~/lab6-q5/{program.py,people.csv,/movies/{disney.doc,marvel.txt}}
aluna1740@ironhide:/usr/share$ tree ~/lab6-q5/
/home/aluna1740/lab6-q5/
├── data.xls
└── movies
    └── movies.lst

1 directory, 2 files
aluna1740@ironhide:/usr/share$
```

Challenge Question

```
aluna1740@ironhide:~$ 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   1880      0 --:--:-- --:--:-- --:--:--  1896
aluna1740@ironhide:~$ cd challenge-Lab6/
aluna1740@ironhide:~/challenge-Lab6$ mkdir -p {audio/{aac,mp3},docs/{docx,pdf,xls},images/{jpg,png}}
aluna1740@ironhide:~/challenge-Lab6$ tree
.
├── audio
│   ├── aac
│   └── mp3
├── docs
│   ├── docx
│   ├── pdf
│   └── xls
├── docs1.docx
├── docs1.pdf
├── docs2.docx
├── docs2.pdf
├── image1.gif
├── image1.jpg
├── image1.png
├── image2.gif
├── image2.jpg
├── image2.png
├── images
│   ├── jpg
│   └── png
├── program.go
├── program.py
├── program.rb
├── program.sh
├── song1.aac
├── song1.mp3
```

```
aluna1740@ironhide:~/challenge-Lab6$ ls *.aac
song1.aac  song2.aac
aluna1740@ironhide:~/challenge-Lab6$ mv *.aac
audio/      docs1.docx  docs2.docx  image1.gif  image1.png  image2.jpg  images/      program.py  program.sh  song1.mp3   song2.mp3
docs/       docs1.pdf   docs2.pdf   image1.jpg  image2.gif  image2.png  program.go  program.rb  song1.aac   song2.aac
aluna1740@ironhide:~/challenge-Lab6$ mv *.aac audio/aac/
aluna1740@ironhide:~/challenge-Lab6$ mv *.mp3 audio/mp3/
aluna1740@ironhide:~/challenge-Lab6$ mv *.docx docs/docx/
aluna1740@ironhide:~/challenge-Lab6$ mv *.pdf  docs/pdf/
aluna1740@ironhide:~/challenge-Lab6$ mv *.xls docs/xls
mv: cannot stat '*.xls': No such file or directory
aluna1740@ironhide:~/challenge-Lab6$ mv *.xls docs/xls/
mv: cannot stat '*.xls': No such file or directory
aluna1740@ironhide:~/challenge-Lab6$ mv *.jpg images/jpg/
aluna1740@ironhide:~/challenge-Lab6$ mv *.png images/png/
aluna1740@ironhide:~/challenge-Lab6$ mv *.gif images/gif/
aluna1740@ironhide:~/challenge-Lab6$ tree
.
├── audio
│   ├── aac
│   │   ├── song1.aac
│   │   └── song2.aac
│   └── mp3
│       ├── song1.mp3
│       └── song2.mp3
├── docs
│   ├── docx
│   │   ├── docs1.docx
│   │   └── docs2.docx
│   ├── pdf
│   │   ├── docs1.pdf
│   │   └── docs2.pdf
│   └── xls
├── images
```

```
aluna1740@ironhide:~/challenge-Lab6$ mv *.gif images/gif/
aluna1740@ironhide:~/challenge-Lab6$ tree
.
├── audio
│   ├── aac
│   │   ├── song1.aac
│   │   └── song2.aac
│   └── mp3
│       ├── song1.mp3                              6 / 6
│       └── song2.mp3
├── docs
│   ├── docx
│   │   ├── docs1.docx
│   │   └── docs2.docx
│   ├── pdf
│   │   ├── docs1.pdf
│   │   └── docs2.pdf
│   └── xls
├── images
│   ├── gif
│   │   ├── image1.gif
│   │   └── image2.gif
│   ├── jpg
│   │   ├── image1.jpg
│   │   └── image2.jpg
│   └── png
│       ├── image1.png
│       └── image2.png
├── program.go
├── program.py
├── program.rb
└── program.sh

11 directories, 18 files
aluna1740@ironhide:~/challenge-Lab6$
```