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Lab 6

Question 1

```
diegoph@diegoph-VirtualBox: ~  
diegoph@diegoph-VirtualBox: ~  
diegoph@diegoph-VirtualBox:~$ ls /etc/*.conf  
/etc/adduser.conf      /etc/host.conf        /etc/pam.conf  
/etc/apg.conf          /etc/inxi.conf        /etc/pnm2ppa.conf  
/etc/appstream.conf    /etc/kernel-img.conf  /etc/popularity-contest.conf  
/etc/brltty.conf       /etc/kerneloops.conf  /etc/resolv.conf  
/etc/ca-certificates.conf /etc/ld.so.conf       /etc/rsyslog.conf  
/etc/debconf.conf      /etc/libao.conf       /etc/rygel.conf  
/etc/deluser.conf      /etc/libaudit.conf    /etc/sensors3.conf  
/etc/e2scrub.conf      /etc/logrotate.conf   /etc/sysctl.conf  
/etc/fprintd.conf      /etc/ltrace.conf      /etc/ucf.conf  
/etc/fuse.conf         /etc/mke2fs.conf      /etc/usb_modeswitch.conf  
/etc/gai.conf          /etc/mtools.conf      /etc/xattr.conf  
/etc/hdparm.conf       /etc/nsswitch.conf  
diegoph@diegoph-VirtualBox:~$ ls -lgHs --time-style=+%D /etc/h*.conf /etc/p*.conf  
-rw-r--r-- 1 7.5K 08/19/21 /etc/pnm2ppa.conf  
-rw-r--r-- 1 5.0K 08/21/19 /etc/hdparm.conf  
-rw-r--r-- 1 552 12/17/19 /etc/pam.conf  
-rw-rw-r-- 1 350 02/20/22 /etc/popularity-contest.conf  
-rw-r--r-- 1 92 12/05/19 /etc/host.conf  
diegoph@diegoph-VirtualBox:~$ ls -r /usr/share/themes/*/*.theme  
/usr/share/themes/Yaru-light/index.theme /usr/share/themes/HighContrast/index.theme  
/usr/share/themes/Yaru/index.theme      /usr/share/themes/Adwaita/index.theme  
/usr/share/themes/Yaru-dark/index.theme /usr/share/themes/Adwaita-dark/index.theme  
diegoph@diegoph-VirtualBox:~$ ls /lab6/*.log  
ls: cannot access '/lab6/*.log': No such file or directory  
diegoph@diegoph-VirtualBox:~$ ls lab6/*.log  
lab6/88_Application-log.log  lab6/dpkg.log      lab6/make.log  
lab6/alternatives.log       lab6/fontconfig.log lab6/term.log  
lab6/apache01-error.log     lab6/gpu-manager.log lab6/unattended-upgrades-dpkg.log  
lab6/apache22.log           lab6/history.log   lab6/unattended-upgrades.log  
lab6/auth.log               lab6/http404.log   lab6/unattended-upgrades-shutdown.log  
lab6/bootstrap.log          lab6/kern.log  
diegoph@diegoph-VirtualBox:~$ mkdir lab6/log-diles  
diegoph@diegoph-VirtualBox:~$ mv lab6/*.log lab6/log-diles  
diegoph@diegoph-VirtualBox:~$
```

Question 2

```

diegoph@diegoph-VirtualBox: ~
diegoph@diegoph-VirtualBox: ~
diegoph@diegoph-VirtualBox:~$ ls -A lab6/.*?
lab6/.appveyor.yml      lab6/.gitattributes    lab6/.nycrc
lab6/.auto-changelog    lab6/.gitconfig        lab6/.padding
lab6/.bash_history      lab6/.gitignore        lab6/.parentlock
lab6/.bash_logout       lab6/.gitkeep          lab6/.prettierrignore
lab6/.bashrc            lab6/.gitmodules       lab6/.prettierrc.yaml
lab6/.blocks-log        lab6/.hidden           lab6/.profile
lab6/.blocks-progress   lab6/.htaccess         lab6/.startup-incomplete
lab6/.changed           lab6/.istanbul.yml     lab6/.sudo_as_admin_successful
lab6/.cis106.png        lab6/.jscs.json        lab6/.tern-project
lab6/.coveralls.yml     lab6/.jscsrc           lab6/.tm_properties
lab6/.dir-locals.el     lab6/.jshintignore     lab6/.tonic_example.js
lab6/.editorconfig      lab6/.jshintrc         lab6/.travis.yml
lab6/.envrc             lab6/.keep             lab6/.vboxclient-clipboard.pid
lab6/.eslintignore      lab6/.last_revision    lab6/.vboxclient-display-svg-x11.pid
lab6/.eslintrc          lab6/.metadata-v2      lab6/.vboxclient-draganddrop.pid
lab6/.eslintrc.js       lab6/.meta.isrunning   lab6/.vboxclient-seamless.pid
lab6/.eslintrc.json     lab6/.min-wd           lab6/.viminfo
lab6/.eslintrc.yml      lab6/.npmignore        lab6/.vsixmanifest
diegoph@diegoph-VirtualBox:~$ ls -A lab6/*.??
lab6/file_00.sh lab6/file_01.sh lab6/file_02.sh lab6/file_03.sh lab6/file_04.sh lab6/file_05.sh
diegoph@diegoph-VirtualBox:~$ ls -A lab6/l?st*
lab6/last.txt lab6/list.txt lab6/lost.txt
diegoph@diegoph-VirtualBox:~$ ls -A lab6/.*?
ls: cannot access 'lab6/.*?': No such file or directory
diegoph@diegoph-VirtualBox:~$ ls -A lab6/*[_?]*
lab6/file_00.sh lab6/file_01.sh lab6/file_02.sh lab6/file_03.sh lab6/file_04.sh lab6/file_05.sh
diegoph@diegoph-VirtualBox:~$ 

```

Question 3

```

diegoph@diegoph-VirtualBox: ~
diegoph@diegoph-VirtualBox: ~
diegoph@diegoph-VirtualBox:~$ ls -A lab6/[A-Z]*
lab6/Document.doc lab6/Expenses.xls
diegoph@diegoph-VirtualBox:~$ ls -A lab6/[A-Z0-9]*
lab6/25Games.lst lab6/Document.doc lab6/Expenses.xls
diegoph@diegoph-VirtualBox:~$ ls -A lab6/*[0-9]*
lab6/25Games.lst lab6/file_00.sh lab6/file_02.sh lab6/file_04.sh lab6/trip22-info.doc
lab6/apache03.err lab6/file_01.sh lab6/file_03.sh lab6/file_05.sh
diegoph@diegoph-VirtualBox:~$ ls -A lab6/[a-z]*[0-9]
ls: cannot access 'lab6/[a-z]*[0-9]': No such file or directory
diegoph@diegoph-VirtualBox:~$ ls -A lab6/[a-z]*[0-9]*
lab6/apache03.err lab6/file_01.sh lab6/file_03.sh lab6/file_05.sh
lab6/file_00.sh lab6/file_02.sh lab6/file_04.sh lab6/trip22-info.doc
diegoph@diegoph-VirtualBox:~$ 

```

Question 4


```
diegoph@diegoph-VirtualBox: ~/lab6
diegoph@diegoph-VirtualBox: ~
diegoph@diegoph-VirtualBox:~/lab6$ mkdir -p wallpapers/cars/{1080,2k,4k}
diegoph@diegoph-VirtualBox:~/lab6$ tree wallpapers/
wallpapers/
├── cars
│   ├── 1080
│   ├── 2k
│   └── 4k
└── 4 directories, 0 files
diegoph@diegoph-VirtualBox:~/lab6$ mkdir -p assets/{imgs,video}/{large,small}
diegoph@diegoph-VirtualBox:~/lab6$ tree assets/
assets/
├── imgs
│   ├── large
│   └── small
└── video
    ├── large
    └── small
└── 6 directories, 0 files
diegoph@diegoph-VirtualBox:~/lab6$ mkdir -p docs/books/{history,math}/{fall,spring}
diegoph@diegoph-VirtualBox:~/lab6$ tree docs/
docs/
├── books
│   ├── history
│   │   ├── fall
│   │   └── spring
│   └── math
│       ├── fall
│       └── spring
└── 7 directories, 0 files
diegoph@diegoph-VirtualBox:~/lab6$ touch docs/books/{history,math}/{fall,spring}/book.pdf
diegoph@diegoph-VirtualBox:~/lab6$ tree docs/
docs/
├── books
│   ├── history
│   │   ├── fall
│   │   │   └── book.pdf
│   │   └── spring
│   │       └── book.pdf
│   └── math
│       ├── fall
│       │   └── book.pdf
│       └── spring
│           └── book.pdf
└── 7 directories, 0 files
```

```
diegoph@diegoph-VirtualBox: /usr/share
diegoph@diegoph-VirtualBox: ~
diegoph@diegoph-VirtualBox:~/lab6$ mkdir -p Research/{books/{math,science}/{epub,pdf},magazines/{computers,running,videogames}/{fanmade,official}}/
diegoph@diegoph-VirtualBox:~/lab6$ tree Research/
Research/
├── books
│   ├── math
│   │   ├── epub
│   │   └── pdf
│   └── science
│       ├── epub
│       └── pdf
└── magazines
    ├── computers
    │   ├── fanmade
    │   └── official
    ├── running
    │   ├── fanmade
    │   └── official
    └── videogames
        ├── fanmade
        └── official
```

```
17 directories, 0 files
diegoph@diegoph-VirtualBox:~/lab6$ cd
diegoph@diegoph-VirtualBox:~$ mkdir lab6-q5
diegoph@diegoph-VirtualBox:~$ cd lab6-q5/
diegoph@diegoph-VirtualBox:~/lab6-q5$ cd /
diegoph@diegoph-VirtualBox:/$ touch home/diegoph/lab6-q5/{program.py,people.csv,data.xls}
diegoph@diegoph-VirtualBox:/$ tree home/diegoph/lab6-q5/
home/diegoph/lab6-q5/
├── data.xls
├── people.csv
└── program.py

9 directories, 3 files
diegoph@diegoph-VirtualBox:/$ cd usr/share/
diegoph@diegoph-VirtualBox:/usr/share$ mkdir ~/lab6-q5/movies
diegoph@diegoph-VirtualBox:/usr/share$ touch ~/lab6-q5/movies/{movies.lst,marvel.txt,disney.doc}
diegoph@diegoph-VirtualBox:/usr/share$ rm ~/lab6-q5/program.py ~/lab6-q5/movies/{people.csv,disney.doc,marvel.txt}
rm: cannot remove '/home/diegoph/lab6-q5/movies/people.csv': No such file or directory
diegoph@diegoph-VirtualBox:/usr/share$ ls ~/lab6-q5/movies/
movies.lst
diegoph@diegoph-VirtualBox:/usr/share$
```

Challenge Question

```
diegoph@diegoph-VirtualBox: ~  
diegoph@diegoph-VirtualBox:~$ mkdir -p challenge-Lab6/{audio/{aac,mp3},docs/{docx,pdf,png}}/  
diegoph@diegoph-VirtualBox:~$ cd challenge-Lab6/  
diegoph@diegoph-VirtualBox:~/challenge-Lab6$ mv *.aac audio/aac/  
diegoph@diegoph-VirtualBox:~/challenge-Lab6$ mv *.mp3 audio/mp3/  
diegoph@diegoph-VirtualBox:~/challenge-Lab6$ mv *.doc docs/docx/  
diegoph@diegoph-VirtualBox:~/challenge-Lab6$ mv *.doc? docs/docx/  
diegoph@diegoph-VirtualBox:~/challenge-Lab6$ mv *.doc docs/docx/  
diegoph@diegoph-VirtualBox:~/challenge-Lab6$ mv *.pdf docs/pdf/  
diegoph@diegoph-VirtualBox:~/challenge-Lab6$ mv *.xls docs/xls/  
mv: cannot stat '*.xls': No such file or directory  
diegoph@diegoph-VirtualBox:~/challenge-Lab6$ mv *.jpg images/jpg/  
diegoph@diegoph-VirtualBox:~/challenge-Lab6$ mv *.png images/png/  
diegoph@diegoph-VirtualBox:~/challenge-Lab6$ cd  
diegoph@diegoph-VirtualBox:~$ tree challenge-Lab6/  
challenge-Lab6/  
├── audio  
│   ├── aac  
│   │   ├── song1.aac  
│   │   ├── song2.aac  
│   │   └── song3.aac  
│   └── mp3  
│       ├── song1.mp3  
│       ├── song2.mp3  
│       └── song3.mp3  
├── docs  
│   ├── docx  
│   │   ├── docs1.doc  
│   │   ├── docs1.docx  
│   │   ├── docs2.doc  
│   │   ├── docs2.docx  
│   │   ├── docs3.doc  
│   │   └── docs3.docx  
│   ├── pdf  
│   │   ├── docs1.pdf  
│   │   ├── docs2.pdf  
│   │   └── docs3.pdf  
│   └── xls  
├── image1.gif  
├── image2.gif  
├── image3.gif  
├── images  
│   ├── jpg  
│   │   ├── image1.jpg  
│   │   ├── image2.jpg  
│   │   └── image3.jpg  
│   └── png  
│       ├── image1.png  
│       ├── image2.png  
│       └── image3.png  
├── programs.go  
├── programs.py  
├── programs.rb  
└── programs.sh  
  
10 directories, 28 files  
diegoph@diegoph-VirtualBox:~$
```

