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Lab 6: Wildcards

Question 1

```

whomsi@whomsi-virtual-machine:~$ ls lab6/*.log
lab6/88_Application-log.log  lab6/pdfetex.log
lab6/alternatives.log       lab6/pdfetex.log
lab6/apache01-error.log     lab6/term.log
lab6/apache22.log           lab6/tex.log
lab6/apport.log             lab6/ubuntu-advantage.log
lab6/auth.log               lab6/unattended-upgrades-dpkg.log
lab6/bootstrap.log         lab6/unattended-upgrades.log
lab6/casper.log             lab6/unattended-upgrades-shutdown.log
lab6/dpkg.log               lab6/updmap.log
lab6/dvluatex.log           lab6/vmware-network.1.log
lab6/etex.log               lab6/vmware-network.2.log
lab6/fontconfig.log         lab6/vmware-network.3.log
lab6/gpu-manager.log        lab6/vmware-network.4.log
lab6/history.log            lab6/vmware-network.5.log
lab6/http404.log            lab6/vmware-network.6.log
lab6/kern.log               lab6/vmware-network.7.log
lab6/luahbtex.log           lab6/vmware-network.8.log
lab6/luatex.log             lab6/vmware-network.9.log
lab6/mf.log                 lab6/vmware-network.log

whomsi@whomsi-virtual-machine:~$ mkdir lab6/log-files
whomsi@whomsi-virtual-machine:~$ mv lab6/*.log lab6/log-files
whomsi@whomsi-virtual-machine:~$ ls /etc/*.conf
/etc/adduser.conf          /etc/host.conf            /etc/pnm2ppa.conf
/etc/apg.conf              /etc/inxi.conf            /etc/resolv.conf
/etc/appstream.conf        /etc/kernel-img.conf     /etc/rsyslog.conf
/etc/brltty.conf           /etc/kernelloops.conf    /etc/rygel.conf
/etc/ca-certificates.conf  /etc/ld.so.conf           /etc/sensors3.conf
/etc/debconf.conf          /etc/libao.conf           /etc/sudo.conf
/etc/deluser.conf          /etc/libaudit.conf        /etc/sudo_logsrvd.conf
/etc/e2scrub.conf          /etc/logrotate.conf       /etc/sysctl.conf
/etc/fprintd.conf          /etc/mke2fs.conf          /etc/ucf.conf
/etc/fuse.conf              /etc/nftables.conf        /etc/usb_modeswitch.conf
/etc/gai.conf              /etc/nsswitch.conf         /etc/xattr.conf
/etc/hdparm.conf           /etc/pam.conf

/etc/hdparm.conf           /etc/pam.conf
whomsi@whomsi-virtual-machine:~$ ls -l /etc/*.conf
-rw-r--r-- 1 root root 3028 Aug 7 18:52 /etc/adduser.conf
-rw-r--r-- 1 root root 433 Mar 23 2022 /etc/apg.conf
-rw-r--r-- 1 root root 769 Feb 22 2022 /etc/appstream.conf
-rw-r--r-- 1 root root 29219 Jun 28 2022 /etc/brltty.conf
-rw-r--r-- 1 root root 6253 Aug 7 18:53 /etc/ca-certificates.conf
-rw-r--r-- 1 root root 2969 Feb 20 2022 /etc/debconf.conf
-rw-r--r-- 1 root root 604 Sep 15 2018 /etc/deluser.conf
-rw-r--r-- 1 root root 685 Jan 8 2022 /etc/e2scrub.conf
-rw-r--r-- 1 root root 20 Feb 24 2022 /etc/fprintd.conf
-rw-r--r-- 1 root root 694 Mar 23 2022 /etc/fuse.conf
-rw-r--r-- 1 root root 2584 Feb 3 2022 /etc/gai.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 71 Feb 9 2017 /etc/inxi.conf
-rw-r--r-- 1 root root 110 Sep 20 18:57 /etc/kernel-img.conf
-rw-r--r-- 1 root root 1308 Mar 24 2022 /etc/kernelloops.conf
-rw-r--r-- 1 root root 34 Dec 16 2020 /etc/ld.so.conf
-rw-r--r-- 1 root root 27 Mar 13 2022 /etc/libao.conf
-rw-r--r-- 1 root root 191 Mar 17 2022 /etc/libaudit.conf
-rw-r--r-- 1 root root 592 Jan 24 2022 /etc/logrotate.conf
-rw-r--r-- 1 root root 744 Jan 8 2022 /etc/mke2fs.conf
-rwxr-xr-x 1 root root 228 Mar 23 2022 /etc/nftables.conf
-rw-r--r-- 1 root root 542 Sep 20 18:57 /etc/nsswitch.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
lrwxrwxrwx 1 root root 39 Sep 20 18:55 /etc/resolv.conf -> ../run/systemd/resolve/stub-resolv.conf
-rw-r--r-- 1 root root 1382 Dec 23 2021 /etc/rsyslog.conf
-rw-r--r-- 1 root root 5620 Jan 9 2022 /etc/rygel.conf
-rw-r--r-- 1 root root 10593 Mar 31 2022 /etc/sensors3.conf
-rw-r--r-- 1 root root 4573 Feb 14 2022 /etc/sudo.conf
-rw-r--r-- 1 root root 9390 Feb 14 2022 /etc/sudo_logsrvd.conf
-rw-r--r-- 1 root root 2355 Feb 25 2022 /etc/sysctl.conf
-rw-r--r-- 1 root root 1260 Jun 16 2020 /etc/ucf.conf

```

```
-rw-r--r-- 1 root root 1523 Mar 25 2022 /etc/usb_modeswitch.conf
-rw-r--r-- 1 root root 681 Mar 23 2022 /etc/xattr.conf
whomsi@whomsi-virtual-machine:~$ ls -lSgH --time-style=+%D /etc/h*.conf etc/p*.conf
ls: cannot access 'etc/p*.conf': No such file or directory
-rw-r--r-- 1 4.4K 12/15/20 /etc/hdparm.conf
-rw-r--r-- 1 92 10/15/21 /etc/host.conf
whomsi@whomsi-virtual-machine:~$
```

Question 2

```
whomsi@whomsi-virtual-machine:~/lab6$ ls .??*
.auto-changelog .gitconfig .meta.isrunning
.babelrc .gitkeep .min-wd
.bash_history .gitmodules .npmignore
.bash_logout .gsd-keyboard.settings-ported .nycrc
.bashrc .hidden .padding
.changed .htaccess .parentlock
.coveralls.yml .istanbul.yml .profile
.dir-locals.el .jscs.json .python_history
.editorconfig .jscsrc .sudo_as_admin_successful
.eslintignore .jshintignore .tern-project
.eslintrc .jshintrc .testignore
.eslintrc.js .keep .tm_properties
.eslintrc.json .last_revision .tonic_example.js
.eslintrc.yml .lint .travis.yml
.gitattributes .metadata-v2 .vsixmanifest

whomsi@whomsi-virtual-machine:~/lab6$ ls -A *.*?
file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh
whomsi@whomsi-virtual-machine:~/lab6$ ls l?st*
last.txt list.txt lost.txt
whomsi@whomsi-virtual-machine:~/lab6$ ls *_??.*
file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh
whomsi@whomsi-virtual-machine:~/lab6$
```

Question 3

```
whomsi@whomsi-virtual-machine:~/lab6$ ls [A-Z]*
Document.doc Expenses.xls
whomsi@whomsi-virtual-machine:~/lab6$ ls [A-Z0-9]*
25Games.lst Document.doc Expenses.xls
whomsi@whomsi-virtual-machine:~/lab6$ ls *[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
whomsi@whomsi-virtual-machine:~/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
whomsi@whomsi-virtual-machine:~/lab6$
```

Question 4

```

whomsi@whomsi-virtual-machine:~$ mkdir -p wallpapers/cars/{1080p,2k,4k}
whomsi@whomsi-virtual-machine:~$ tree wallpapers
wallpapers
├── cars
│   ├── 1080p
│   ├── 2k
│   └── 4k
4 directories, 0 files
whomsi@whomsi-virtual-machine:~$ rm -r wallpapers
whomsi@whomsi-virtual-machine:~$ mkdir -p assets/{imgs,videos}/{large,small}
whomsi@whomsi-virtual-machine:~$ tree assets
assets
├── imgs
│   ├── large
│   └── small
└── videos
    ├── large
    └── small
6 directories, 0 files
whomsi@whomsi-virtual-machine:~$ rm -r assets
whomsi@whomsi-virtual-machine:~$ mkdir -p docs/books/{his,math}/{fall,spring}
whomsi@whomsi-virtual-machine:~$ tree docs
docs
├── books
│   ├── his
│   │   ├── fall
│   │   └── spring
│   └── math
│       ├── fall
│       └── spring
7 directories, 0 files
whomsi@whomsi-virtual-machine:~$ rm -r docs
whomsi@whomsi-virtual-machine:~$

```

```

whomsi@whomsi-virtual-machine:~$ mkdir ~/lab6-q5
whomsi@whomsi-virtual-machine:~$ cd
whomsi@whomsi-virtual-machine:~$ cd /
whomsi@whomsi-virtual-machine:/ $ touch ~/lab6-q5/{program.py,people.csv,data.xls}
whomsi@whomsi-virtual-machine:/ $ cd /usr/share
bash: cd: /usr/share: No such file or directory
whomsi@whomsi-virtual-machine:/ $ cd /usr/share
whomsi@whomsi-virtual-machine:/usr/share$ mkdir ~/lab6-q5/movies
whomsi@whomsi-virtual-machine:/usr/share$ touch ~/lab6-q5/movies/{movies.lst,movie.txt,disney.doc}
whomsi@whomsi-virtual-machine:/usr/share$ rm ~/lab6-q5
rm: cannot remove '/home/whomsi/lab6-q5': Is a directory
whomsi@whomsi-virtual-machine:/usr/share$ rm ~/lab6-q5/
rm: cannot remove '/home/whomsi/lab6-q5': Is a directory
whomsi@whomsi-virtual-machine:/usr/share$ rm ~/lab6-q5/{program.py,people.csv,/movies/{disney.doc,movie.txt}}
rm: cannot remove '/home/whomsi/lab6-q5/{program.py,people.csv,/movies/{disney.doc,movie.txt}': No such file or directory
rm: cannot remove '/home/whomsi/lab6-q5/{program.py,people.csv,/movies/{disney.doc,movie.txt}': No such file or directory
whomsi@whomsi-virtual-machine:/usr/share$ rm ~/lab6-q5/{program.py,people.csv,/movies/{disney.doc,movie.txt}}
whomsi@whomsi-virtual-machine:/usr/share$ tree lab
lab
[error opening dir]

0 directories, 0 files
whomsi@whomsi-virtual-machine:/usr/share$ tree lab6-q5/
lab6-q5/ [error opening dir]

0 directories, 0 files
whomsi@whomsi-virtual-machine:/usr/share$ tree ~/lab6-q5/
~/lab6-q5/
├── data.xls
└── movies
    └── movies.lst
1 directory, 2 files

```

Question 5


```
whomsi@whomsi-virtual-machine:~$ curl https://cis106.com/assets/lab6cq.sh | bash
% Total    % Received % Xferd  Average Speed   Time    Time     Current
           Dload  Upload  Total   Spent    Left     Speed

100 165 100 165 0 0 1184 0 --:--:-- --:--:-- --:--:-- 1187
whomsi@whomsi-virtual-machine:~$ mkdir -p ~/challenge-Lab6/{audio/{aac,mp3},docs/{docx,pdf},images/{jpg,png}} && \
> mv ~/challenge-Lab6/*.aac ~/challenge-Lab6/audio/aac/ && \
> mv ~/challenge-Lab6/*.mp3 ~/challenge-Lab6/audio/mp3/ && \
> mv ~/challenge-Lab6/*.docx ~/challenge-Lab6/docs/docx/ && \
> mv ~/challenge-Lab6/*.pdf ~/challenge-Lab6/docs/pdf/ && \
> mv ~/challenge-Lab6/*.jpg ~/challenge-Lab6/images/jpg/ && \
> mv ~/challenge-Lab6/*.png ~/challenge-Lab6/images/png/
whomsi@whomsi-virtual-machine:~$ mv ~/challenge-Lab6/*.gif ~/challenge-Lab6/images/gif/
mv: target '/home/whomsi/challenge-Lab6/images/gif/' is not a directory
whomsi@whomsi-virtual-machine:~$ ^[[200-mkdir -p ~/challenge-Lab6/images/gif/ && \
> mkdir -p ~/challenge-Lab6/images/gif/ && \
> mv ~/challenge-Lab6/*.gif ~/challenge-Lab6/images/gif/
mkdir: command not found
whomsi@whomsi-virtual-machine:~$ mkdir -p ~/challenge-Lab6/images/gif/ && \
> mv ~/challenge-Lab6/*.gif ~/challenge-Lab6/images/gif/

whomsi@whomsi-virtual-machine:~$ tree ~/challenge-Lab6
/home/whomsi/challenge-Lab6
├── audio
│   ├── aac
│   │   ├── song1.aac
│   │   └── song2.aac
│   └── mp3
│       ├── song1.mp3
│       └── song2.mp3
├── docs
│   ├── docx
│   │   ├── docs1.docx
│   │   └── docs2.docx
│   └── pdf
│       ├── docs1.pdf
│       └── docs2.pdf
├── images
│   ├── gif
│   │   ├── image1.gif
│   │   └── image2.gif
│   ├── jpg
│   │   ├── image1.jpg
│   │   └── image2.jpg
│   └── png
│       ├── image1.png
│       └── image2.png
├── program.go
├── program.py
├── program.rb
└── program.sh

10 directories, 18 files
whomsi@whomsi-virtual-machine:~$
```