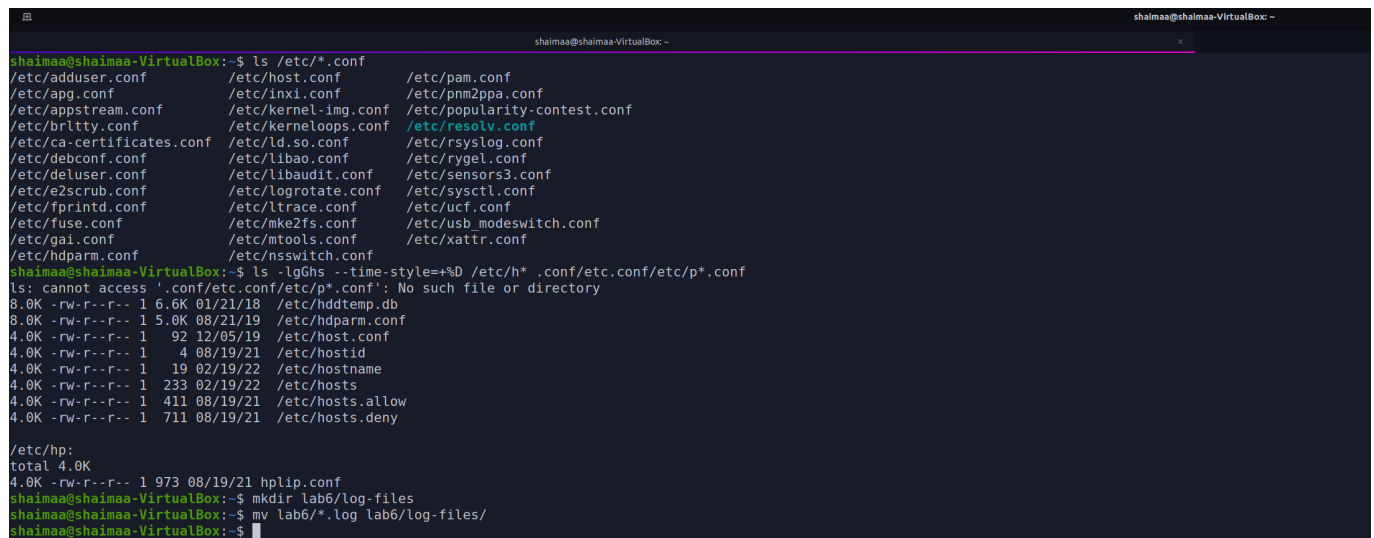

Name :Shaimaa Husien Semester: Spring 22

Lab 6 File Globing / Wildcard

Question 1



```
shaimaa@shaimaa-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/kernelloops.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/mttools.conf     /etc/xattr.conf
/etc/hdparm.conf       /etc/nsswitch.conf

shaimaa@shaimaa-VirtualBox:~$ ls -lgQhs --time-style=+%D /etc/h* .conf/etc.conf/etc/p*.conf
ls: cannot access '.conf/etc.conf/etc/p*.conf': No such file or directory
8.0K -rw-r--r-- 1 6.6K 01/21/18 /etc/hddtemp.db
8.0K -rw-r--r-- 1 5.0K 08/21/19 /etc/hdparm.conf
4.0K -rw-r--r-- 1 92 12/05/19 /etc/host.conf
4.0K -rw-r--r-- 1 4 08/19/21 /etc/hostid
4.0K -rw-r--r-- 1 19 02/19/22 /etc/hostname
4.0K -rw-r--r-- 1 233 02/19/22 /etc/hosts
4.0K -rw-r--r-- 1 411 08/19/21 /etc/hosts.allow
4.0K -rw-r--r-- 1 711 08/19/21 /etc/hosts.deny

/etc/hp:
total 4.0K
4.0K -rw-r--r-- 1 973 08/19/21 hplip.conf
shaimaa@shaimaa-VirtualBox:~$ mkdir lab6/log-files
shaimaa@shaimaa-VirtualBox:~$ mv lab6/*.log lab6/log-files/
shaimaa@shaimaa-VirtualBox:~$
```

Question 2

```

shaimaa@shaimaa-VirtualBox:~$ ls lab6/
25Games.lst  Expenses.xls  file 02.sh  file 05.sh  log-files
apache03.err  file 00.sh  file 02.sh  last.txt  lost.txt
Document.doc  file 01.sh  file 04.sh  list.txt  trip22-info.doc

shaimaa@shaimaa-VirtualBox:~$ ls -A lab6/
25Games.lst      file 03.sh      .npmignore
apache03.err     file 04.sh      .nycrc
appveyor.yml     file 05.sh      .org.chromium.Chromium.hUNKN1
auto-changelog   .gitattributes  .org.chromium.Chromium.twosxz
bash_history     .gitconfig      .org.chromium.Chromium.UyTSdk
bash_logout     .gitignore      .padding
bashrc           .gitkeep        .parentlock
changed          .gitmodules     .prettierrc
cis106.png       .goutputstream-Q050J1 .prettierrc.yaml
cis106png        .hidden         .profile
cis16.png        .htaccess       .startup-incomplete
coveralls.yml    .istanbul.yml   .sudo_as_admin_successful
dir-locals.el    .jscs.json      .templdir.cache
Document.doc     .jscsrc         .tern-project
editorconfig     .jshintignore    .tm.properties
envrc            .jshintrc       .tonic.example.js
eslintignore     .keep           .travis.yml
eslintrc         .last_revision  .trip22-info.doc
eslintrc.js      last.txt        .vboxclient-clipboard.pid
eslintrc.json    list.txt        .vboxclient-display-svga-x11.pid
eslintrc.yml     log-files       .vboxclient-draganddrop.pid
expenses.xls     lost.txt        .vboxclient-seamless.pid
file 00.sh       .metadata-v2    .vsixmanifest
file 01.sh       .meta.isrunning
file 02.sh       .min-wd

shaimaa@shaimaa-VirtualBox:~$ ls -A lab6/.??*
lab6/.appveyor.yml  lab6/.gitignore  lab6/.org.chromium.Chromium.UyTSdk
lab6/.auto-changelog lab6/.gitkeep     lab6/.padding
lab6/.bash_history  lab6/.gitmodules lab6/.parentlock
lab6/.bash_logout   lab6/.goutputstream-Q050J1 lab6/.prettierrc
lab6/.bashrc        lab6/.hidden     lab6/.prettierrc.yaml
lab6/.changed       lab6/.htaccess   lab6/.startup-incomplete
lab6/.cis106.png     lab6/.istanbul.yml .sudo_as_admin_successful
lab6/.cis106png      lab6/.jscs.json  lab6/.templdir.cache
lab6/.cis16.png      lab6/.jscsrc     lab6/.tern-project
lab6/.coveralls.yml  lab6/.jshintignore lab6/.tm.properties
lab6/.dir-locals.el  lab6/.jshintrc   lab6/.tonic.example.js
lab6/.editorconfig   lab6/.keep       lab6/.travis.yml
lab6/.envrc          lab6/.last_revision lab6/.vboxclient-clipboard.pid
lab6/.eslintignore   lab6/.metadata-v2 lab6/.vboxclient-display-svga-x11.pid
lab6/.eslintrc       lab6/.meta.isrunning lab6/.vboxclient-draganddrop.pid
lab6/.eslintrc.js    lab6/.min-wd     lab6/.vboxclient-seamless.pid
lab6/.eslintrc.json  lab6/.npmignore  lab6/.vsixmanifest
lab6/.eslintrc.yml   lab6/.nycrc      lab6/.org.chromium.Chromium.hUNKN1
lab6/.gitattributes  lab6/.org.chromium.Chromium.twosxz

shaimaa@shaimaa-VirtualBox:~$

shaimaa@shaimaa-VirtualBox:~$ ls -A lab6/
25Games.lst      file 03.sh      .npmignore
apache03.err     file 04.sh      .nycrc
appveyor.yml     file 05.sh      .org.chromium.Chromium.hUNKN1
auto-changelog   .gitattributes  .org.chromium.Chromium.twosxz
bash_history     .gitconfig      .org.chromium.Chromium.UyTSdk
bash_logout     .gitignore      .padding
bashrc           .gitkeep        .parentlock
changed          .gitmodules     .prettierrc
cis106.png       .goutputstream-Q050J1 .prettierrc.yaml
cis106png        .hidden         .profile
cis16.png        .htaccess       .startup-incomplete
coveralls.yml    .istanbul.yml   .sudo_as_admin_successful
dir-locals.el    .jscs.json      .templdir.cache
Document.doc     .jscsrc         .tern-project
editorconfig     .jshintignore    .tm.properties
envrc            .jshintrc       .tonic.example.js
eslintignore     .keep           .travis.yml
eslintrc         .last_revision  .trip22-info.doc
eslintrc.js      last.txt        .vboxclient-clipboard.pid
eslintrc.json    list.txt        .vboxclient-display-svga-x11.pid
eslintrc.yml     log-files       .vboxclient-draganddrop.pid
expenses.xls     lost.txt        .vboxclient-seamless.pid
file 00.sh       .metadata-v2    .vsixmanifest
file 01.sh       .meta.isrunning
file 02.sh       .min-wd

shaimaa@shaimaa-VirtualBox:~$ la -A lab6/*.??
lab6/file 00.sh  lab6/file 02.sh  lab6/file 04.sh
lab6/file 01.sh  lab6/file 03.sh  lab6/file 05.sh
shaimaa@shaimaa-VirtualBox:~$

```

```

shaimaa@shaimaa-VirtualBox:~$ ls -A lab6/
25Games.lst      file_03.sh      .npmignore
apache03.err     file_04.sh      .nycrc
appveyor.yml     file_05.sh      .org.chromium.Chromium.hUNKn1
auto-changelog   .gitattributes  .org.chromium.Chromium.twosxz
bash_history     .gitconfig      .org.chromium.Chromium.UyTsDk
bash_logout     .gitignore      .padding
bashrc           .gitkeep        .parentlock
changed          .gitmodules     .prettierignore
cis106.png       .goutputstream-Q050J1 .prettierrc.yaml
cis106png        .hidden         .profile
cis16.png        .htaccess       .startup-incomplete
coveralls.yml    .istanbul.yml   .sudo_as_admin_successful
dir-locals.el    .jscs.json      .templdir.cache
Document.doc     .jscsrc         .tern-project
editorconfig     .jshintignore    .tm_properties
envrc            .jshintrc       .tonic_example.js
eslintignore     .keep           .travis.yml
eslintrc         .last_revision  trip22-info.doc
eslintrc.js      last.txt        .vboxclient-clipboard.pid
eslintrc.json    list.txt        .vboxclient-display-svg-x11.pid
eslintrc.yml     log-files       .vboxclient-draganddrop.pid
Expenses.xls     lost.txt        .vboxclient-seamless.pid
file_00.sh       .metadata-v2    .vsixmanifest
file_01.sh       .meta.isrunning
file_02.sh       .min-wd
shaimaa@shaimaa-VirtualBox:~$ la -A lab6/*.*
lab6/file_00.sh  lab6/file_02.sh  lab6/file_04.sh
lab6/file_01.sh  lab6/file_03.sh  lab6/file_05.sh
shaimaa@shaimaa-VirtualBox:~$ ls lab6/[A-Z]*
lab6/Document.doc  lab6/Expenses.xls
shaimaa@shaimaa-VirtualBox:~$ ls lab6/[A-Z0-9]*
lab6/25Games.lst  lab6/Document.doc  lab6/Expenses.xls
shaimaa@shaimaa-VirtualBox:~$ █

```

Question 3

```

shaimaa@shaimaa-VirtualBox:~$ ls -A lab6/
25Games.lst      file_03.sh      .npmignore
apache03.err     file_04.sh      .nycrc
appveyor.yml     file_05.sh      .org.chromium.Chromium.hUNKn1
auto-changelog   gitattributes   .org.chromium.Chromium.twosxz
.bash_history    .gitconfig      .org.chromium.Chromium.UyTsDK
.bash_logout     .gitignore      .padding
.bashrc          .gitkeep        .parentlock
.changed         .gitmodules     .prettierrc
.cis108.png      .goutputstream-005011
.cis108.png      .hidden         .prettierrc.yaml
.cis108.png      .htaccess       .profile
.coveralls.yml   .istanbul.yml   .startup-incomplete
.dir-locals.el   .jscsrc         .sudo.as.admin.successful
Document.doc     .jscsrc         .templdir.cache
.editorconfig    .jshintignore    .tern-project
.envrc           .jshintignore    .tm_properties
.eslintignore    .keep           .tonic.example.js
.eslintrc        .last_revision  .travis.yml
.eslintrc.js     last.txt        trip22-info.doc
.eslintrc.json   list.txt        .vboxclient-clipboard.pid
.eslintrc.yml    log-files       .vboxclient-display-svga-x11.pid
Expenses.xls     lost.txt        .vboxclient-draganddrop.pid
file_00.sh       .metadata-v2    .vboxclient-seamless.pid
file_01.sh       .meta_isrunning
file_02.sh       .min-nd
shaimaa@shaimaa-VirtualBox:~$ ls -A lab6/*.*
lab6/file_00.sh  lab6/file_02.sh  lab6/file_04.sh
lab6/file_01.sh  lab6/file_03.sh  lab6/file_05.sh
shaimaa@shaimaa-VirtualBox:~$ ls lab6/[A-Z]*
lab6/Document.doc  lab6/Expenses.xls
shaimaa@shaimaa-VirtualBox:~$ ls lab6/[A-Z0-9]*
lab6/25Games.lst  lab6/Document.doc  lab6/Expenses.xls
shaimaa@shaimaa-VirtualBox:~$ ls lab6/*[0-9]*
lab6/25Games.lst  lab6/file_01.sh  lab6/file_04.sh
lab6/25Games.lst  lab6/file_02.sh  lab6/file_05.sh
lab6/apache03.err  lab6/file_03.sh  lab6/trip22-info.doc
shaimaa@shaimaa-VirtualBox:~$ ls lab6/*[0-9a-z]*
lab6/25Games.lst  lab6/file_00.sh  lab6/file_04.sh  lab6/lost.txt
lab6/apache03.err  lab6/file_01.sh  lab6/file_05.sh  lab6/trip22-info.doc
lab6/Document.doc  lab6/file_02.sh  lab6/last.txt
lab6/Expenses.xls  lab6/file_03.sh  lab6/list.txt

lab6/log-files:
88_Application-log.log  dpkg.log      make.log
access.log              error.log     other_vhosts_access.log
alternatives.log        fontconfig.log  term.log
apache01-error.log      gpu-manager.log  unattended-upgrades-dpkg.log
apache22.log            history.log     unattended-upgrades.log
auth.log                http404.log    unattended-upgrades-shutdown.log
bootstrap.log           kern.log
shaimaa@shaimaa-VirtualBox:~$

```

Question 4

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

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

```
shaimaa@shaimaa-VirtualBox: ~/lab6$ mkdir -p docs/books/{history,math}/{fall,spring}
shaimaa@shaimaa-VirtualBox: ~/lab6$ tree docs/
docs/
├── books
│   ├── history
│   │   ├── fall
│   │   └── spring
│   └── math
│       ├── fall
│       └── spring
7 directories, 0 files
shaimaa@shaimaa-VirtualBox: ~/lab6$ touch docs/books/{history,math}/{fall,spring}/books.pdf
shaimaa@shaimaa-VirtualBox: ~/lab6$ tree docs/
docs/
├── books
│   ├── history
│   │   ├── fall
│   │   │   └── books.pdf
│   │   └── spring
│   │       └── books.pdf
│   └── math
│       ├── fall
│       │   └── books.pdf
│       └── spring
│           └── books.pdf
7 directories, 4 files
shaimaa@shaimaa-VirtualBox: ~/lab6$
```

```
shaimaa@shaimaa-VirtualBox: ~/lab6$ mkdir -p docs/books/{history,math}/{fall,spring}
shaimaa@shaimaa-VirtualBox: ~/lab6$ tree docs/
docs/
├── books
│   ├── history
│   │   ├── fall
│   │   └── spring
│   └── math
│       ├── fall
│       └── spring
7 directories, 0 files
shaimaa@shaimaa-VirtualBox: ~/lab6$ touch docs/books/{history,math}/{fall,spring}/books.pdf
shaimaa@shaimaa-VirtualBox: ~/lab6$ tree docs/
docs/
├── books
│   ├── history
│   │   ├── fall
│   │   │   └── books.pdf
│   │   └── spring
│   │       └── books.pdf
│   └── math
│       ├── fall
│       │   └── books.pdf
│       └── spring
│           └── books.pdf
7 directories, 4 files
shaimaa@shaimaa-VirtualBox: ~/lab6$ mkdir -p research/{books/{math,science}/{epub,pdf},magazines/{computers,running,videogames}/{fanmade,official}}/
shaimaa@shaimaa-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
shaimaa@shaimaa-VirtualBox: ~/lab6$
```

```
shaimaa@shaimaa-VirtualBox: /usr/share$ rm ~/lab6-q5/program.py ~/lab6-q5/movies/{people.csv,disney.doc,mарvel.txt}
rm: cannot remove '/home/shaimaa/lab6-q5/movies/people.csv': No such file or directory
shaimaa@shaimaa-VirtualBox: /usr/share$ ls ~/lab6-q5/movies/movies.lst
/home/shaimaa/lab6-q5/movies/movies.lst
shaimaa@shaimaa-VirtualBox: /usr/share$
```

Challenge Question

```

shaimaa@shaimaa-VirtualBox: ~/challenge-Lab6

% Total      % Received % Xferd  Average Speed   Time    Time     Time  Current
           Dload  Upload   Total     Spent    Left     Speed

100  170  100  170    0    0  1465      0  --:--:--  --:--:--  --:--:--  1465
shaimaa@shaimaa-VirtualBox:~$ cd challenge-Lab6/
shaimaa@shaimaa-VirtualBox:~/challenge-Lab6$ mkdir -p challenge-lab6/{audio/{aac
,mp3}/{all-aac-files-here,all-mp3-files-here}, docs/{ docx, pdf, xls}/{ all-docs
-files-here, all-pdf-files-here,all-xls-files-here}/images/{jpg,png}/{all-jpg-fi
les-here,all-png-files-here}}/
shaimaa@shaimaa-VirtualBox:~/challenge-Lab6$ tree challenge-lab6/
challenge-lab6/
├── {audio
│   ├── aac
│   │   ├── all-aac-files-here,
│   │   └── all-mp3-files-here,
│   └── mp3
│       ├── all-aac-files-here,
│       └── all-mp3-files-here,
7 directories, 0 files
shaimaa@shaimaa-VirtualBox:~/challenge-Lab6$

```

```

Lab 6 - File Globing/wil... = shaimaa@shaimaa-Vir...

shaimaa@shaimaa-VirtualBox:~/challenge-Lab6$ mkdir -p challenge-lab6/{audio/{aac,mp3}/{all-files-here,all-mp3-files-here},docs/{docx,pdf,xls}/{all-docs-files-here,all-pdf-files-here,all-xls-files-here}/images/{jpg,png}/{all-jpg-files-here,all-png-files-here}}/
shaimaa@shaimaa-VirtualBox:~/challenge-Lab6$ tree challenge-lab6/
challenge-lab6/
├── {audio
│   ├── aac
│   │   ├── all-aac-files-here,
│   │   └── all-mp3-files-here,
│   └── mp3
│       ├── all-aac-files-here,
│       └── all-mp3-files-here,
├── docs
│   ├── docx
│   │   ├── all-docs-files-here
│   │   └── images
│   │       ├── jpg
│   │       │   ├── all-jpg-files-here
│   │       │   └── all-png-files-here
│   │       └── png
│   │           ├── all-jpg-files-here
│   │           └── all-png-files-here
│   ├── pdf
│   │   ├── all-pdf-files-here
│   │   └── images
│   │       ├── jpg
│   │       │   ├── all-jpg-files-here
│   │       │   └── all-png-files-here
│   │       └── png
│   │           ├── all-jpg-files-here
│   │           └── all-png-files-here
│   └── xls
│       ├── all-xls-files-here
│       └── images
│           ├── jpg
│           │   ├── all-jpg-files-here
│           │   └── all-png-files-here
│           └── png
│               ├── all-jpg-files-here
│               └── all-png-files-here

```

```

shaimaa@shaimaa-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  170  100  170    0     0  1545      0  --:--:--  --:--:--  --:--:--  1545
shaimaa@shaimaa-VirtualBox:~$ l;s
challenge-Lab6/  directory/  lab6-q5/  q5.3.png  untitled
cis106-sp22/    Documents/  Music/    snap/     Videos/
Desktop/        lab6/       Public/   Templates/
s: command not found
shaimaa@shaimaa-VirtualBox:~$ ls
challenge-Lab6  Desktop  Documents  lab6-q5  Public  snap  untitled
cis106-sp22    directory  lab6      Music    q5.3.png  Templates  Videos
shaimaa@shaimaa-VirtualBox:~$ cd challenge-Lab6/
shaimaa@shaimaa-VirtualBox:~/challenge-Lab6$ ls
docs1.doc  docs2.pdf  image1.jpg  image3.gif  programs.rb  song2.mp3
docs1.docx docs3.doc  image1.png  image3.jpg  programs.sh  song3.aac
docs1.pdf  docs3.docx image2.gif  image3.png  song1.aac   song3.mp3
docs2.doc  docs3.pdf  image2.jpg  programs.go  song1.mp3
docs2.docx image1.gif  image2.png  programs.py  song2.aac
shaimaa@shaimaa-VirtualBox:~/challenge-Lab6$

```