```
amlarsen@CIS106:~$ ls lab6
25Games.1st
                         file_00.sh
                                          luatex.log
88_Application-log.log file_01.sh
                                          mf.log
alternatives.log
                        file_02.sh
                                          pdfetex.log
                                          pdftex.log
apache01-error.log
                        file_03.sh
                        file_04.sh
                                          term.log
apache03.err
apache22.log
                        file_05.sh
                                          tex.log
                        fontconfig.log
apport.log
                                          trip22-info.doc
auth.log
                        gpu-manager.log
                                          ubuntu-advantage.log
bootstrap.log
                        history.log
                                          ubuntu-advantage-timer.log
casper.log
                        http404.log
                                          unattended-upgrades-dpkg.log
Document.doc
                        kern.log
                                          unattended-upgrades.log
dpkg.log
                        last.txt
                                          unattended-upgrades-shutdown.log
dviluatex.log
                        list.txt
                                          updmap.log
etex.log
                        lost.txt
Expenses.xls
                        luahbtex.log
amlarsen@CIS106:~$ ls ?.log
ls: cannot access '?.log': No such file or directory
amlarsen@CIS106:~$ ls lab6/*.log
lab6/88_Application-log.log lab6/kern.log
lab6/alternatives.log
                             lab6/luahbtex.log
lab6/apache01-error.log
                              lab6/luatex.log
lab6/apache22.log
                             lab6/mf.log
lab6/apport.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/ubuntu-advantage-timer.log
lab6/etex.log
                              lab6/unattended-upgrades-dpkg.log
lab6/fontconfig.log
                              lab6/unattended-upgrades.log
lab6/gpu-manager.log
                              lab6/unattended-upgrades-shutdown.log
lab6/history.log
                              lab6/updmap.log
lab6/http404.log
amlarsen@CIS106:~$ mkdir lab6/log-files
```

```
amlarsen@CIS106:~$ mv lab6/*.log lab6/log-files/
amlarsen@CIS106:~$ ls lab6/log-files/
88_Application-log.log etex.log
                                          pdftex.log
                        fontconfig.log
alternatives.log
                                          term.log
apache01-error.log
                        gpu-manager.log
                                          tex.log
apache22.log
                        history.log
                                          ubuntu-advantage.log
apport.log
                        http404.log
                                          ubuntu-advantage-timer.log
auth.log
                        kern.log
                                          unattended-upgrades-dpkg.log
                                          unattended-upgrades.log
bootstrap.log
                        luahbtex.log
casper.log
                        luatex.log
                                          unattended-upgrades-shutdown.log
dpkg.log
                        mf.log
                                          updmap.log
dviluatex.log
                        pdfetex.log
amlarsen@CIS106:~$ ls /etc/*.conf
/etc/adduser.conf
                           /etc/host.conf
                                                  /etc/pnm2ppa.conf
/etc/apg.conf
                            /etc/inxi.conf
                                                  /etc/resolv.conf
                            /etc/kernel-img.conf
/etc/appstream.conf
                                                  /etc/rsyslog.conf
/etc/brltty.conf
                            /etc/kerneloops.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
amlarsen@CIS106:~$ ls -lSgGh --time-style=+%D /etc/h*.conf /etc/p*.conf
-rw-r--r-- 1 7.5K 08/09/22 /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
```

```
amlarsen@CIS106:~$ cd lab6
bash: cd: lab6: No such file or directory
amlarsen@CIS106:~$ cd Desktop
amlarsen@CIS106:~/Desktop$ cd /CIS106/
bash: cd: /CIS106/: No such file or directory
amlarsen@CIS106:~/Desktop$ cd CIS106/
amlarsen@CIS106:~/Desktop/CIS106$ cd Labs/
amlarsen@CIS106:~/Desktop/CIS106/Labs$ cd lab6
amlarsen@CIS106:~/Desktop/CIS106/Labs/lab6$ ls .??*
.appveyor.yml
                  .gitignore
                                                      .migrated
.bash_history
                  .gitkeep
                                                      .min-wd
.bash_logout
                  .gitmodules
                                                      .npmignore
.bashrc
                  .gsd-keyboard.settings-ported
                                                      .nycrc
.changed
                  .hidden
                                                      .org.chromium.Chromium.03eH80
.cis106.png
                  .hidden1.doc
                                                      .org.chromium.Chromium.SC76cL
.claws_cache
                  .hidden1.py
                                                      .padding
.claws_mark
                  .hidden2.doc
                                                      .parentlock
.claws_tags
                  .hidden2.py
                                                      .prettierignore
.coveralls.yml
                  .hiddenFile.txt
                                                      .prettierrc.yaml
.dir-locals.el
                                                      .profile
.editorconfig
                  .jscs.json
                                                      .startup-incomplete
.envrc
                  .jscsrc
                                                      .sudo_as_admin_successful
.eslintignore
                  .jshintrc
                                                      .tern-project
.eslintrc
                  .keep
                                                      .tm_properties
.eslintrc.js
                  .last_revision
                                                      .tonic_example.js
.eslintrc.json
                  .lesshst
                                                      .travis.yml
.eslintrc.yml
                  .metadata-v2
                                                      .vsixmanifest
.gitattributes
                  .meta.isrunning
                  .mh_sequences
.gitconfig
.appveyor.yml
.bash_history
                                                                .padding
.bash_logout
.bashrc
             .gitattributes
                                       .jshintrc
                                                                .prettierignore
.changed
                                       .keep
                                                                .prettierrc.yaml
                                      .last revision
.claws_cache
            .gitkeep
                                                                .startup-incomplete
                                       .metadata-v2
.claws_mark
             .gitmodules
                                                                .sudo_as_admin_successful
.claws_tags
             .gsd-keyboard.settings-ported .meta.isrunning
                                                                .tern-project
.coveralls.yml
                                      .mh_sequences
                                                                .tm_properties
.dir-locals.el
                                      .migrated
                                                                .tonic_example.js
                                       .min-wd
             .hidden1.py
                                                                 .travis.yml
            .hidden2.doc
.envrc
                                      .npmignore
                                                                .vsixmanifest
            .hidden2.py
.eslintianore
.eslintrc
             .hiddenFile.txt
                                       .org.chromium.Chromium.03eH80
file_00.sh file_01.sh file_02.sh file_03.sh file_04.sh file_05.sh
amlarsen@CIS106:~/Desktop/CIS106/Labs/lab6$
```

```
amlarsen@CIS106:~/Desktop/CIS106/Labs/lab6$ ls [A-Z]*
Document.doc Expenses.xls Q1P1.png Q1P2.png Q2P1.png Q2P2.png
amlarsen@CIS106:~/Desktop/CIS106/Labs/lab6$ ls [A-Z0-9]*

25Games.lst Document.doc Expenses.xls Q1P1.png Q1P2.png Q2P1.png Q2P2.png
amlarsen@CIS106:~/Desktop/CIS106/Labs/lab6$ ls *[0-9]*

25Games.lst file_00.sh file_02.sh file_04.sh Q1P1.png Q2P1.png trip22-info.doc
apache03.err file_01.sh file_03.sh file_05.sh Q1P2.png Q2P2.png
amlarsen@CIS106:~/Desktop/CIS106/Labs/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
amlarsen@CIS106:~/Desktop/CIS106/Labs/lab6$
```

```
amlarsen@CIS106:~/Desktop/CIS106/Labs/lab6$ mkdir -p wallpapers/cars/{1080p,2k,4k}
amlarsen@CIS106:~/Desktop/CIS106/Labs/lab6$ tree wallpapers
wallpapers
cars
1080p
2k
4k

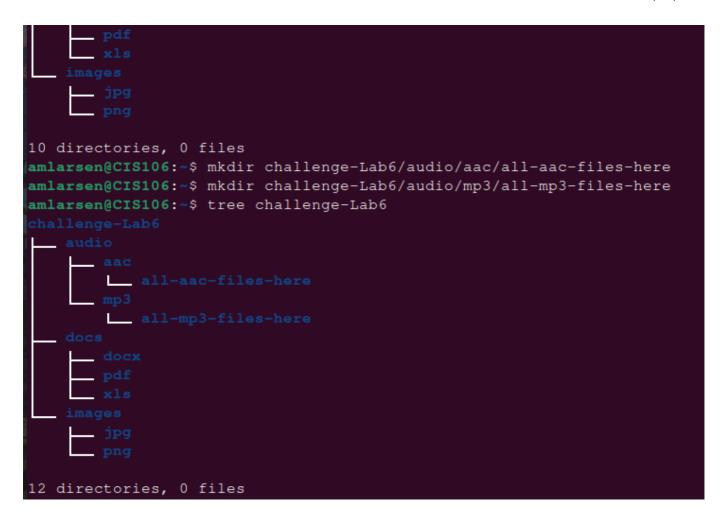
4 directories, 0 files
amlarsen@CIS106:~/Desktop/CIS106/Labs/lab6$
```

```
amlarsen@CIS106:~/Desktop/CIS106/Labs/lab6$ mkdir -p assets/{images, videos}/{large, small}
amlarsen@CIS106:~/Desktop/CIS106/Labs/lab6$ tree assets/
assets/
Large
small
videos
large
small
6 directories, 0 files
amlarsen@CIS106:~/Desktop/CIS106/Labs/lab6$
```

### Challenge Question

```
amlarsen@CIS106:~$ mkdir challenge-Lab6
amlarsen@CIS106:~$ mkdir challenge-Lab6/{audio,docs,images}/
amlarsen@CIS106:~$ tree challenge-Lab6
 audio
  docs
3 directories, 0 files
amlarsen@CIS106:~$ mkdir challenge-Lab6/audio/{aac,mp3}/
amlarsen@CIS106:~$ tree challenge-Lab6
 audio
     aac
    ____mp3
5 directories, 0 files
amlarsen@CIS106:~$ mkdir challenge-Lab6/docs/{docx,pdf,xls}/
amlarsen@CIS106:~$ tree challenge-Lab6
 audio
    aac
      mp3
     __docx
      _ pdf
      xls
amlarsen@CIS106:~$ mkdir challenge-Lab6/docs/{docx,pdf,xls}/
amlarsen@CIS106:~$ tree challenge-Lab6
  audio
     aac
      _ mp3
      _ docx
      _ pdf
      xls
8 directories, 0 files
amlarsen@CIS106:~$ mkdir challenge-Lab6/images/{jpg,png}/
amlarsen@CIS106:~$ tree challenge-Lab6
  audio
      aac
```

\_\_\_ mp3



```
12 directories, 0 files
amlarsen@CIS106:~$ mkdir challenge-Lab6/docs/docx/all0docs-files-here
amlarsen@CIS106:~$ mkdir challenge-Lab6/docs/pdf/all-pdf-files-here
amlarsen@CIS106:~$ mkdir challenge-Lab6/docs/xls/all-xls-files-here
amlarsen@CIS106:~$ tree challenge-Lab6/
   audio
      aac
        ___all-aac-files-here
        all-mp3-files-here
      docx
        allOdocs-files-here
        all-pdf-files-here
        all-xls-files-here
      _ jpg
      png
15 directories, 0 files
amlarsen@CIS106:~$ mkdir challenge-Lab6/images/jpg/all-jpg-files-here
amlarsen@CIS106:~$ mkdir challenge-Lab6/images/png/all-png-files-here
amlarsen@CIS106:~$ tree challenge-Lab6
        ___ all-aac-files-here
        all-mp3-files-here
      _ docx
        all-docs-files-here
        all-pdf-files-here
        all-xls-files-here
        all-jpg-files-here
        ___ all-png-files-here
17 directories, 0 files
amlarsen@CIS106:~$
```