## Lab 4.2 | File Globing/wildcards

• Question 1 | Using the \* Wildcard

```
Applications Places
                                                                                                            anand@cis106vm: ~/lab4/question1
 nand@cis106vm:~$ curl https://robertalberto.com/cis106/lab4.1.sh | bash
                   % Received % Xferd Average Speed Time
                                                                                  Time
                                                                                                  Time Current
                                                                 oad Total Spent Left Speed
0--:--:-- 2588
                                                 Dload Upload
        660 100
                        660
                                   0
                                            0
                                                  2588
anand@cis106vm:~$ ls
cisvim
                      food3.txt lab4-docs
anand@cis106vm:~$ cd ~/lab4/question1/
 anand@cis106vm:~/lab4/question1$ ls
about-page.html creation.txt html_page.html page.css
                                                                                                styles.css
                                                                         pageload.js
books.txt
                        download.js
                                                 linux.txt
                                                                                                workload.js
                        home_page.html main.css
bots.txt
                                                                         rook.rock.txt
anand@cis106vm:~/lab4/question1$ ls -lx
about-page.html books.txt bots.txt
home_page.html html_page.html linux.txt
pageload.is rook.rock.txt styles.cs
                                                                   creation.txt download.js
                                                                   main.css
                                                                                        page.css
                        rook.rock.txt styles.css workload.js
pageload.js
 nand@cis106vm:~/lab4/question1$ ls*.txt
ls*.txt: command not found
anand@cis106vm:~/lab4/question1$ ls * .txt
ls: cannot access '.txt': No such file or directory
about-page.html bots.txt download.js html_page.html main.css pageload.js
                                                                                                                                    styles.css
                       creation.txt home_page.html linux.txt
                                                                                              page.css rook.rock.txt workload.js
anand@cis106vm:~/lab4/question1$ ls *txt
books.txt bots.txt creation.txt linux.txt rook.rock.txt
anand@cis106vm:~/lab4/question1$ ls-Xl b*.txt
ls-Xl: command not found
anand@cis106vm:~/lab4/question1$ ls -Xl b*.txt
 rw-rw-r-- 1 anand anand 0 Nov 13 18:02 books.txt
 rw-rw-r-- 1 anand anand 0 Nov 13 18:02 bots.txt
 anand@cis106vm:~/lab4/question1$ ls -xl b*.txt
 rw-rw-r-- 1 anand anand 0 Nov 13 18:02 books.txt
 rw-rw-r-- 1 anand anand 0 Nov 13 18:02 bots.txt
 nand@cis106vm:~/lab4/question1$ ls *css
main.css page.css styles.css
anand@cis106vm:~/lab4/question1$ ls *html
 Applications Places
                                                                                      anand@cis106vm: ~/lab4/question1
                 anand@cis106vm: ~/lab4/question1
                                                                                     anand@cis106vm: ~/lab4/question1
anand@cis106vm:~/lab4/question1$ ls *html
about-page.html home_page.html html_page.html
         .s106vm:~/lab4/question1$ ls *page*
anand@cis106vm:~/lab4/question1$ ls *page*
about-page.html home_page.html html_page.html page.css pageload.js
anand@cis106vm:~/lab4/question1$ mkdir lab4-html lab4-css lab4-js lab4-txt
anand@cis106vm:~/lab4/question1$ mv bots.txt rook.rock.txt linux.txt creation.txt books.txt
anand@cis106vm:~/lab4/question1$ mv about-page.html html_page.html home_page.html lab4-html
anand@cis106vm:~/lab4/question1$ mv download.js pageload.js workload.js lab4-js
anand@cis106vm:~/lab4/question1$ mv main.css styles.css
                                                                                                                           lab4-txt
 mand@cis106vm:~/lab4/question1$ mv styles.css main.css
anand@cts106vm:~/lab4/questton1$ cp styles.css
cp: missing destination file operand after 'styles.css'
Try 'cp --help' for more information.
                         /question1$ cp styles.css styles.css
cp: cannot stat 'styles.css': No such file or directory
anand@cis106vm:~/lab4/question1$ cp styles.css lab4-css
cp: cannot stat 'styles.css': No such file or directory
anand@cis106vm:~/lab4/question1$ cp main.css styles.css
anand@cis106vm:~/lab4/question1$ mv main.css styles.css page.css lab4-css
anand@cis106vm:~/lab4/question1$
```

• Question 2 | Using the ? wildcard

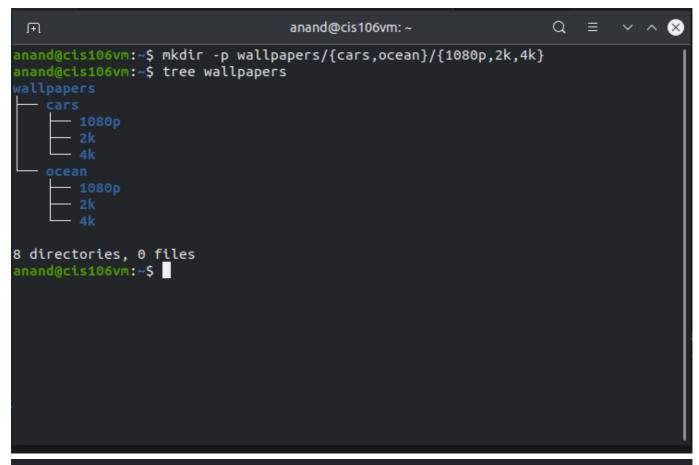
```
Applications Places
                                                                              anand@cis106vm: ~/lab4/question2
        anand@cis106vm: ~/lab4/question1
                                                      anand@cis106vm: ~/lab4/question1
                                                                                                    anand@cis
anand@cis106vm:~/lab4/question1$ cd ../question2
anand@cis106vm:~/lab4/question2$ ls -xl
total 4
-rw-rw-r-- 1 anand anand
                              0 Nov 13 18:02 bad.xml
                              0 Nov 13 18:02 bed.xml
rw-rw-r-- 1 anand anand
-rw-rw-r-- 1 anand anand
                              0 Nov 13 18:02 bid.xml
-rw-rw-r-- 1 anand anand
                              0 Nov 13 18:02 casino.xml
rw-rw-r-- 1 anand anand
                              0 Nov 13 18:02 cat.xml
-rw-rw-r-- 1 anand anand
                              0 Nov 13 18:02 cool.xml
rw-rw-r-- 1 anand anand
                              0 Nov 13 18:02 feat.json
                              0 Nov 13 18:02 feet.json
rw-rw-r-- 1 anand anand
-rw-rw-r-- 1 anand anand
                             0 Nov 13 18:02 foot.json
drwxrwxr-x 2 anand anand 4096 Nov 13 18:02 xmlfiles
anand@cis106vm:~/lab4/question2$ ls -xl b?d .xml
ls: cannot access 'b?d': No such file or directory ls: cannot access '.xml': No such file or directory anand@cis106vm:~/lab4/question2$ ls -xl b?d.xml
-rw-rw-r-- 1 anand anand 0 Nov 13 18:02 bad.xml
-rw-rw-r-- 1 anand anand 0 Nov 13 18:02 bed.xml
-rw-rw-r-- 1 anand anand 0 Nov 13 18:02 bid.xml
anand@cis106vm:~/lab4/question2$ mv b?d.xml xmlfiles/
anand@cis106vm:~/lab4/question2$ ls -xl
total 4
-rw-rw-r-- 1 anand anand
                              0 Nov 13 18:02 casino.xml
rw-rw-r-- 1 anand anand
                              0 Nov 13 18:02 cat.xml
-rw-rw-r-- 1 anand anand
                              0 Nov 13 18:02 cool.xml
rw-rw-r-- 1 anand anand
                              0 Nov 13 18:02 feat.json
                              0 Nov 13 18:02 feet.json
rw-rw-r-- 1 anand anand
                              0 Nov 13 18:02 foot.json
-rw-rw-r-- 1 anand anand
drwxrwxr-x 2 anand anand 4096 Nov 14 17:49 xmlfiles
anand@cis106vm:~/lab4/question2$ ls .*
.hiddenfileA.log .hiddenfileB.log .hiddenfileC.log .hiddenfileD.log
casino.xml cat.xml cool.xml feat.json feet.json foot.json xmlfiles
    [question2]
Applications Places
                                                                            anand@cis106vm: ~/lab4/question2
                                                                                                anand@cis106v
       anand@cis106vm: ~/lab4/question1
                                                    anand@cis106vm: ~/lab4/question1
rw-rw-r-- 1 anand anand
                             0 Nov 13 18:02 cat.xml
rw-rw-r-- 1 anand anand
                             0 Nov 13 18:02 cool.xml
-rw-rw-r-- 1 anand anand
                             0 Nov 13 18:02 feat.json
rw-rw-r-- 1 anand anand
                             0 Nov 13 18:02 feet.json
-rw-rw-r-- 1 anand anand
                             0 Nov 13 18:02 foot.json
drwxrwxr-x 2 anand anand 4096 Nov 14 17:49 xmlfiles
      cis106vm:~/lab4/question2$ ls .
.hiddenfileA.log .hiddenfileB.log .hiddenfileC.log .hiddenfileD.log
casino.xml cat.xml cool.xml feat.json feet.json foot.json xmlfiles
question1 question2 question3 question4
anand@cis106vm:~/lab4/question2$ ls .??*
.hiddenfileA.log .hiddenfileB.log .hiddenfileC.log .hiddenfileD.log
anand@cis106vm:~/lab4/question2$ ls ./.*
./.hiddenfileA.log ./.hiddenfileB.log ./.hiddenfileC.log ./.hiddenfileD.log
/.:
casino.xml cat.xml cool.xml feat.json feet.json foot.json xmlfiles
./..:
anand@cis106vm:~/lab4/question2$ ls *????
casino.xml cat.xml cool.xml feat.json feet.json foot.json
xmlfiles:
bad.xml bed.xml bid.xml
```

• Question 3 | Using the [] Wildcard

```
anand@cis106vm:~/lab4/qu... anand@cis106vm:~/lab4/qu... anand@cis106vm:~/lab4/qu... anand@cis106vm:~/lab4/qu... anand@cis106vm:~/lab4/qu... anand@cis106vm:~/lab4/qu... anand@cis106vm:~/lab4/qu... anand@cis106vm:~/lab4/qu... anand@cis106vm:~/lab4/qu... anand@cis106vm:~/lab4/question3$ ls -aX

... Anotherapp.py .app.py drill.py Main1.py .main.py kcc.rb
anand@cis106vm:~/lab4/question3$ ls [A-Z][a-z][0-9].*
ls: cannot access '[A-Z][a-z][0-9].*': No such file or directory
anand@cis106vm:~/lab4/question3$ ls [A-Z][a-z]*[0-9].*
Main1.py
anand@cis106vm:~/lab4/question3$ ls [a-de-k]* .??*
.Anotherapp.py .app.py drill.py kcc.rb .main.py
anand@cis106vm:~/lab4/question3$ ls [!A-Z]*[!0-9]*[!.*]
drill.py kcc.rb
anand@cis106vm:~/lab4/question3$
```

• Question 4 | Using brace expansion



```
8 directories, 0 files
anand@cis106vm:~$ mkdir -p assets/{imgs,video}/{large,small}/{source,source}
anand@cis106vm:~$ tree assets
assets
imgs
large
source
small
source
video
large
source
small
source
10 directories, 0 files
anand@cis106vm:~$
```

