

Week Report 6

Wildcards.

* Wildcard

The * is used to match any number of characters.

- `ls *.txt` will match files that end in .txt
- `ls *.pdf` will match files end in pdf
- `ls *file.` will match the file that have the word "file" in it

? Wildcard

The ? will look for the amount of characters. like *.?? will give you any file extension with two characters

- `ls ,.??*` will list all the hidden files in working directory
- `ls b??k*` Lists all the files that have two characters between letter b and k
- `ls f?l*` will return a files with a single character between f and l

[] Wildcard

The [] will match a single character in a range

- `ls f[aeiou]*` will search for files with a vowel after the f
- `ls f[a!eiou]*` will search for files WITHOUT a vowel after the f
- `ls f[a-z]*` will search for every letter after f

Brace Expansion

not a wildcard but a feature of bash that lets you make strings to use with commands

- `mkdir -p music/{jazz,rock}/{mp3files,videos,oggfiles}/new` will create two directories each having three directories with the same name and the "new" directory inside of those.
- `touch website{1..5}.html` will create a website.html file with number 1 - 5 at the end
- `touch files{A-Z}.txt` will create a file for each letter of the alphabet starting with files

Practice

- Practice 5

```
jrodriguez4@cis106-VirtualBox: ~/wildcardpractice

jrodriguez4@cis106-VirtualBox:~/wildcardpractice$ ls *random*
random.csv  random_text.md  randomtext.txt
jrodriguez4@cis106-VirtualBox:~/wildcardpractice$ ls *csv* *txt*
8food.txt  _random.csv  randomtext.txt  Sample1234.csv  sample123.csv
jrodriguez4@cis106-VirtualBox:~/wildcardpractice$ ls *random.md*
ls: cannot access '*random.md*': No such file or directory
jrodriguez4@cis106-VirtualBox:~/wildcardpractice$ ls
2020-08-27-capture.raw  beatk.exe  fail.log  sample1.xls
2021-04-10-screenshot.jpeg  beatk.pdf  file.log  sample99.docx
2022-02-02-camera.jpg  beatk.xml  logo100x100.png  samplejsonfile.json
8food.txt  bk.exe  _random.csv  sample.pdf
allfiles.lst  bk.pdf  random_text.md  Sample.pdf
allfiles.lst  bk.xml  randomtext.txt  samplesite.html
baik.exe  book.exe  Sample1234.csv
baik.pdf  book.pdf  sample123.csv
baik.xml  book.xml  sample1.doc
jrodriguez4@cis106-VirtualBox:~/wildcardpractice$ ls random*.md
random_text.md
jrodriguez4@cis106-VirtualBox:~/wildcardpractice$ ls *sample* *.md
random_text.md  sample1.doc  sample99.docx  sample.pdf
sample123.csv  sample1.xls  samplejsonfile.json  samplesite.html
jrodriguez4@cis106-VirtualBox:~/wildcardpractice$
```

- Practice 6

```
Activities Terminal Nov 18 19:20

jrodriguez4@cis106-VirtualBox: ~/wildcardpractice

jrodriguez4@cis106-VirtualBox:~$ cd wildcardpractice/
jrodriguez4@cis106-VirtualBox:~/wildcardpractice$ ls *.???
2020-08-27-capture.raw  baik.pdf  bk.pdf  file.log  sample1.doc
2022-02-02-camera.jpg  baik.xml  bk.xml  logo100x100.png  sample1.xls
78food.txt  beatk.exe  book.exe  _random.csv  sample.pdf
allfiles.lst  beatk.pdf  book.pdf  randomtext.txt  Sample.pdf
Allfiles.lst  beatk.xml  book.xml  Sample1234.csv
baik.exe  bk.exe  fail.log  sample123.csv
jrodriguez4@cis106-VirtualBox:~/wildcardpractice$ ls .??*
.bash_history  .hidden1.py  .hidden2.py
.hidden1.doc  .hidden2.doc  .hiddenFile.txt
jrodriguez4@cis106-VirtualBox:~/wildcardpractice$ ls b??*.???
baik.exe  baik.xml  beatk.pdf  book.exe  book.xml
baik.pdf  beatk.exe  beatk.xml  book.pdf
jrodriguez4@cis106-VirtualBox:~/wildcardpractice$ ls sample ?.*
ls: cannot access 'sample': No such file or directory
ls: cannot access '?.*': No such file or directory
jrodriguez4@cis106-VirtualBox:~/wildcardpractice$ ls sample?.*
sample1.doc  sample1.xls
jrodriguez4@cis106-VirtualBox:~/wildcardpractice$ ls .???.*
ls: cannot access '.???.*': No such file or directory
jrodriguez4@cis106-VirtualBox:~/wildcardpractice$ ls .??*.??
.hidden1.py  .hidden2.py
jrodriguez4@cis106-VirtualBox:~/wildcardpractice$
```

- Practice 7

```
jrodriguez4@cis106-VirtualBox:~/wildcardpractice$ ls [a-z]*.???
allfiles.lst  baik.xml  beatk.xml  bk.xml  book.xml  logo100x100.png  sample1.doc
baik.exe     beatk.exe  bk.exe     book.exe  fail.log  randomtext.txt  sample1.xls
baik.pdf     beatk.pdf  bk.pdf     book.pdf  file.log  sample123.csv   sample.pdf
jrodriguez4@cis106-VirtualBox:~/wildcardpractice$ ls [A-Z]*[0-9]*
Sample1234.csv
jrodriguez4@cis106-VirtualBox:~/wildcardpractice$ ls [0-9][0-9]90-9][0-9]*
ls: cannot access '[0-9][0-9]90-9][0-9]*': No such file or directory
jrodriguez4@cis106-VirtualBox:~/wildcardpractice$ ls [0-9][0-9][0-9][0-9]*
2020-08-27-capture.raw  2021-04-10-screenshot.jpeg  2022-02-02-camera.jpg
jrodriguez4@cis106-VirtualBox:~/wildcardpractice$ ls [!AEIOUaeio]*
2020-08-27-capture.raw  baik.xml  bk.xml  logo100x100.png  sample1.doc  samplesite.html
2021-04-10-screenshot.jpeg  beatk.exe  book.exe  _random.csv  sample1.xls
2022-02-02-camera.jpg      beatk.pdf  book.pdf  random_text.md  sample99.docx
78food.txt                beatk.xml  book.xml  randomtext.txt  samplejsonfile.json
baik.exe                  bk.exe    fail.log  Sample1234.csv  sample.pdf
baik.pdf                  bk.pdf    file.log  sample123.csv   Sample.pdf
jrodriguez4@cis106-VirtualBox:~/wildcardpractice$ ls [[:punct:]]*
_random.csv
jrodriguez4@cis106-VirtualBox:~/wildcardpractice$
```