weekReport6.md 2023-11-13

Week Report 6

Wildcards:

* Wildcard

The main wildcard is a star or asterisk and it matches anything from 0 to any number of characters

```
• Example 1:
```

- list all the files ending in txt: 1s *.txt
- Example 2:
 - move files ending in txt: mv *.txt /Documents/Docs
- Example 3:
 - copy files containing new and old: cp *new* *old* /Documents/folder/

? Wildcard

The question mark wildcard matches precisely one character

- Example 1:
 - list all files that have two characters between letter b and k: 1s b??k*
- Example 2:
 - List all files that contain single character between letter f and l: 1s f?1*
- Example 3:
 - list all files with 3 letter file extension: 1s *.???

[] Wildcard

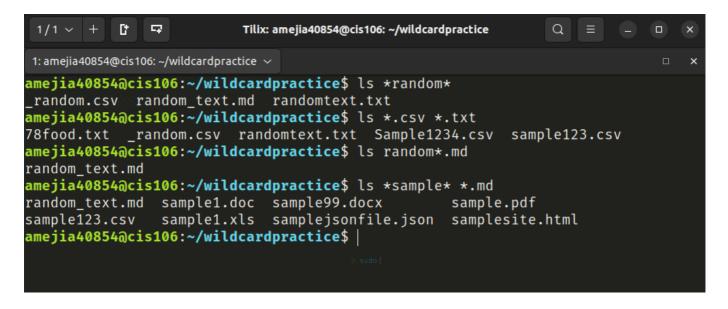
The brackets wildcard matches a single character in a range

- Example 1:
 - list files with a vowel after letter f: ls f[aeiou] *
- Example 2:
 - list all files that contain at least two numbers: 1s *[0-9][0-9]*
- Example 3:
 - list all files that don't contain a number: 1s * [!0-9]*

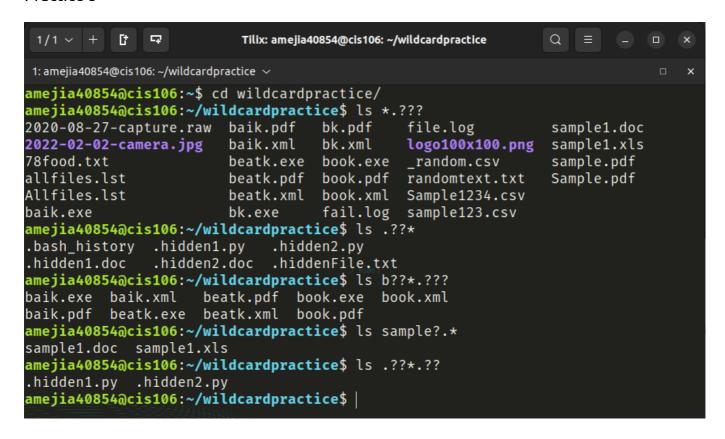
Practices:

Practice 5

weekReport6.md 2023-11-13



Practice 5



Practice 5

weekReport6.md 2023-11-13

```
1/1 ~ +
                           Tilix: amejia40854@cis106: ~/wildcardpractice
                                                                 Q
1: amejia40854@cis106: ~/wildcardpractice ~
                                                                                  ×
amejia40854@cis106:~/wildcardpractice$
amejia40854@cis106:~/wildcardpractice$ ls [a-z]*.[A-z][A-z][A-z]
allfiles.lst
              beatk.exe
                          bk.pdf
                                     book.xml
                                                       randomtext.txt
                                                                        sample.pdf
                                     fail.log
baik.exe
              beatk.pdf
                          bk.xml
                                                       sample123.csv
baik.pdf
              beatk.xml
                          book.exe
                                     file.log
                                                       sample1.doc
baik.xml
              bk.exe
                          book.pdf
                                     logo100x100.png
                                                       sample1.xls
amejia40854@cis106:~/wildcardpractice$ ls [A-Z]*[0-9]*
Sample1234.csv
amejia40854@cis106:~/wildcardpractice$ ls [1-2][0-9][0-9][0-9]*
2020-08-27-capture.raw 2021-04-10-screenshot.jpeg 2022-02-02-camera.jpg
amejia40854@cis106:~/wildcardpractice$ ls [!AEIOUaeiou]*
2020-08-27-capture.raw
                             beatk.pdf
                                         fail.log
                                                           sample1.doc
2021-04-10-screenshot.jpeg
                             beatk.xml
                                         file.log
                                                           sample1.xls
2022-02-02-camera.jpg
                                         logo100x100.png
                                                           sample99.docx
                             bk.exe
                             bk.pdf
78food.txt
                                         random.csv
                                                           samplejsonfile.json
baik.exe
                             bk.xml
                                         random text.md
                                                           sample.pdf
baik.pdf
                             book.exe
                                         randomtext.txt
                                                           Sample.pdf
baik.xml
                             book.pdf
                                         Sample1234.csv
                                                           samplesite.html
beatk.exe
                             book.xml
                                         sample123.csv
amejia40854@cis106:~/wildcardpractice$ ls [[:punct:]]*
random.csv
amejia40854@cis106:~/wildcardpractice$
```

Brace Expansion

Brace expansion {} allows you to generate arbitrary strings to use with commands

- Example 1:
 - Create a whole directory structure in a single command: mkdir -p music/{jazz,rock}/{mp3files,videos,oggfiles}
- Example 2:
 - Create an N number of files to use: touch site {1..5}.html
- Example 3:
 - Remove multiple files in a directory: rm -r {dir1, dir2, dir3, file.txt, image.png}