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The * wildcard

This wildcard matches anything for any number of characters. Examples: ls *cookie.txt list all files that end with cookie.txt ls .py shows all files that end in py ls apple shows all files that begin with apple

Practice 5

```
1: ssgunthrope@cis106vm: ~/wildcardpractice ~
ssgunthrope@cis106vm:~$ cd wildcardpractice/
ssgunthrope@cis106vm:~/wildcardpractice$ ls *random*
random.csv random_text.md randomtext.txt_
ssgunthrope@cis106vm:~/wildcardpractice$ ls *.csv *.txt
           _random.csv randomtext.txt Sample1234.csv
                                                          sample123.csv
ssgunthrope@cis106vm:~/wildcardpractice$ random*.md
random_text.md: command not found
ssgunthrope@cis106vm:~/wildcardpractice$ ls random*.md
random_text.md
ssgunthrope@cis106vm:~/wildcardpractice$ ls *sample* *.md
random_text.md
                sample1.doc sample99.docx
                                                   sample.pdf
sample123.csv
                sample1.xls
                             samplejsonfile.json samplesite.html
ssgunthrope@cis106vm:~/wildcardpractice$
```

THE? wildcard

The ? wildcard matches one character. Examples: ls .??? shows files with extensions that are 3 characters ls .??? shows files that are 3 characters or more

Practice 6



the [] wildcard

[] wild card is used to to match a single character in range and can be reversed using the! character Examples: ls [0-9]* shows all files that begin with a number ls [A-Z] shows all files the end with a capital letter ls [a-z].?? shows all files that start with a lowercase letter and has two characters as their file extension.

Practice 7

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```
ssgunthrope@cis106vm:~/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
ssgunthrope@cis106vm:~/wildcardpractice$ ls [A-Z]*[0-9]*
Sample1234.csv
ssgunthrope@cis106vm:~/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
ssgunthrope@cis106vm:~/wildcardpractice$ ls [!AEIOUaeiou]*
2020-08-27-capture.raw
                             beatk.exe
                                        book.pdf
                                                          randomtext.txt
                                                                                sample.pdf
2021-04-10-screenshot.jpeg
                             beatk.pdf
                                        book.xml
                                                          Sample1234.csv
                                                                                Sample.pdf
2022-02-02-camera.jpg
                                        fail.log
                                                          sample123.csv
                                                                                samplesite.html
                             beatk.xml
78food.txt
                             bk.exe
                                                          sample1.doc
                                        file.log
                             bk.pdf
baik.exe
                                        logo100x100.png
                                                          sample1.xls
                                                          sample99.docx
baik.pdf
                             bk.xml
                                        _random.csv
                                        random_text.md
baik.xml
                             book.exe
                                                          samplejsonfile.json
ssgunthrope@cis106vm:~/wildcardpractice$ ls [[:punct:]]*
_random.csv
ssgunthrope@cis106vm:~/wildcardpractice$
```

Brace Expansion

A feature of bash that allows you to generate arbitrary strings. Examples: touch chips{1-4}.txt creates 4 files that begins with chip and is a text file echo{7..2} counts down from 7 to 2 and displays it rm [file1,file2,file3] deletes files 1-3