

just reminding you about the situation i am in professor thank you

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week report 6

Wildcards

* wildcard

the * wildcard matches from 0 to any number of characters

- examples:
 - list all the text files in a directory
 - `ls *.txt`
 - list all the files that start with the word file
 - `ls file*`
 - copy all the mp4 files
 - `cp Downloads/*.mp4 ~/Videos/Movies/`

? wildcard

the ? wildcard matches precisely one character

- examples:
 - list all hidden files
 - `ls .??*`
 - list all files that have 2 characters between b and k
 - `ls b??k*`
 - list all files that have a 3 letter file extension
 - `ls *.???`

[] wildcard

the [] wildcard matches a single character in a range can also use the exclamation mark to reverse the match

- examples:
 - match all files that have a vowel after the letter f
 - `ls f[aeiou]*`
 - match all the files whose name has at least one number
 - `ls * [0-9] *`
 - match all files that do not have a vowel after the letter f
 - `ls f[!aeiou]*`

practice 5

```

yadir@yadirubuntu:~$ curl -s https://cis106.com/assets/wildcardpractice.sh | bash
--2023-12-12 11:55:23-- https://cis106.com/assets/logo100x100.png
Resolving cis106.com (cis106.com)... 185.199.108.153
Connecting to cis106.com (cis106.com)|185.199.108.153|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 3520 (3.4K) [image/png]
Saving to: 'logo100x100.png'

logo100x100.png      100%[=====>]   3.44K  --.-KB/s   in 0s

2023-12-12 11:55:23 (23.5 MB/s) - 'logo100x100.png' saved [3520/3520]

yadir@yadirubuntu:~$ ls wildcardpractice/*random*
wildcardpractice/_random.csv      wildcardpractice/randomtext.txt
wildcardpractice/random_text.md

yadir@yadirubuntu:~$ ls wildcardpractice/*.txt wildcardpractice/*.csv
wildcardpractice/78food.txt      wildcardpractice/Sample1234.csv
wildcardpractice/_random.csv     wildcardpractice/sample123.csv
wildcardpractice/randomtext.txt

yadir@yadirubuntu:~$ cd wildcardpractice/
yadir@yadirubuntu:~/wildcardpractice$ ls random*.md
random_text.md

yadir@yadirubuntu:~/wildcardpractice$ ls *sample* *.md
random_text.md  sample1.doc  sample99.docx  sample.pdf
sample123.csv  sample1.xls  samplejsonfile.json  samplesite.html

```

practice 6

```

yadir@yadirubuntu:~$ cd wildcardpractice/
yadir@yadirubuntu:~/wildcardpractice$ ls*.*??
ls*.*??: command not found
yadir@yadirubuntu:~/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
yadir@yadirubuntu:~/wildcardpractice$ ls .??*
.bash_history .hidden1.doc .hidden1.py .hidden2.doc .hidden2.py .hiddenFile.txt
yadir@yadirubuntu:~/wildcardpractice$ ls b??*.*??
baik.exe baik.xml beatk.pdf book.exe book.xml
baik.pdf beatk.exe beatk.xml book.pdf
yadir@yadirubuntu:~/wildcardpractice$ ls sample?.*
sample1.doc sample1.xls
yadir@yadirubuntu:~/wildcardpractice$ ls .??*.*??
.hidden1.py .hidden2.py

```

practice 7

```

yadir@yadirubuntu:~/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
yadir@yadirubuntu:~/wildcardpractice$ ls [A-Z]*[0-9]*
Sample1234.csv
yadir@yadirubuntu:~/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
yadir@yadirubuntu:~/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      bk.exe    logo100x100.png  sample99.docx
78food.txt                bk.pdf    _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
yadir@yadirubuntu:~/wildcardpractice$ ls [[:punct:]]*
_random.csv

```

brace expansion

allows you to generate arbitrary strings to use with commands

- examples:
 - create a whole directory structure in one command
 - `mkdir -p music/{jazz,rock}/{mp3files,videos,oggfiles}/new{1..3}`
 - create an N number of files
 - `touch file {A..Z}.txt`
 - remove multiple files in a single directory
 - `rm -r {dir1,dir2,dir3,file.txt,file.py}`