

Week Report 6

Wildcards

The *Wildcard matches from 0 to any number of characters.

Lists all the files that end in .txt example `ls *.txt` `ls .txt pdf` list all the files that end in .txt and .pdf `ls file.` list all the files that have any letter before the string "file."

The ? Wildcard

The ? Wildcard matches precisely one character. example1: `ls ./??*` List all the hidden files in the current directory example2: `ls ../??*` List all the hidden files in the parent directory example3: `ls *.???` list all the files that have a 3 letter file extension

The [] Wildcard

The [] Wildcard matches a single character in a range. Example1: To match all files that have a vowel after letter f. `ls f[aeiou]*` Example2: To match all files that do not have a vowel after letter f. `ls f[!aeiou]*` Example3: To match a;; files whose name has at least one number: `ls*[0-9].*`

practice in the presentation

Practice 5

```
1: mohammedc@mohammedc-VirtualBox: ~/wildcardpractice ~
Length: 3520 (3.4K) [image/png]
Saving to: 'logo100x100.png'

logo100x100.pn 100% 3.44K 5.57KB/s in 0.6s

2023-12-04 22:03:21 (5.57 KB/s) - 'logo100x100.png' saved [3520/3520]

mohammedc@mohammedc-VirtualBox:~$ ls wildcardpractice/*random*
wildcardpractice/_random.csv
wildcardpractice/random_text.md
wildcardpractice/randomtext.txt
mohammedc@mohammedc-VirtualBox:~$ ls wildcardpractice/*.txt wildcardpractice/*.csv
wildcardpractice/78food.txt
wildcardpractice/_random.csv
wildcardpractice/randomtext.txt
wildcardpractice/Sample1234.csv
wildcardpractice/sample123.csv
mohammedc@mohammedc-VirtualBox:~$ cd wildcardpractice/
mohammedc@mohammedc-VirtualBox:~/wildcardpractice$ ls random*.md
random_text.md
mohammedc@mohammedc-VirtualBox:~/wildcardpractice$ ls *sample* .md
ls: cannot access '.md': No such file or directory
sample123.csv sample99.docx samplesite.html
sample1.doc samplejsonfile.json
sample1.xls sample.pdf
mohammedc@mohammedc-VirtualBox:~/wildcardpractice$ ls *sample* *.md
random_text.md sample1.doc sample99.docx sample.pdf
sample123.csv sample1.xls samplejsonfile.json samplesite.html
```

Practice 6

```

1: mohammedc@mohammedc-VirtualBox: ~/wildcardpractice
mohammedc@mohammedc-VirtualBox:~/wildcardpractice$ ls *.*??
2020-08-27-capture.raw  baik.xml  book.exe  randomtext.txt
2022-02-02-camera.jpg  beatk.exe book.pdf  Sample1234.csv
78food.txt             beatk.pdf book.xml  sample123.csv
allfiles.lst           beatk.xml fail.log  sample1.doc
Allfiles.lst           bk.exe   file.log  sample1.xls
baik.exe               bk.pdf   logo100x100.png sample.pdf
baik.pdf               bk.xml   _random.csv Sample.pdf
mohammedc@mohammedc-VirtualBox:~/wildcardpractice$ ls .*?*
.bash_history .hidden1.py .hidden2.py
.hidden1.doc .hidden2.doc .hiddenFile.txt
mohammedc@mohammedc-VirtualBox:~/wildcardpractice$ ls b??*.*??
baik.exe baik.xml beatk.pdf book.exe book.xml
baik.pdf beatk.exe beatk.xml book.pdf
mohammedc@mohammedc-VirtualBox:~/wildcardpractice$ ls sample?.*
sample1.doc sample1.xls
mohammedc@mohammedc-VirtualBox:~/wildcardpractice$ ls .*?*??
ls.*?*??: command not found
mohammedc@mohammedc-VirtualBox:~/wildcardpractice$ ls .*?*.*?
.hidden1.py .hidden2.py
mohammedc@mohammedc-VirtualBox:~/wildcardpractice$ _

```

Practice 7

```

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

```

Brace expansion and how to use it. At least 3 examples Brace expansion allows you to generate arbitrary strings to use with commands. Example 1: To create a whole directory structure in a single commands `mkdir -p music/{jazz,rock}/{mp3files,videos,oggfiles}new{1..3}` Example 2 and 3: to create a N number files use: `touch website {1..5}.html touch file{A..Z}.txt`