

Weekly report 6

Wildcards

* Wildcard

The main wildcard is a star or asterisk character.

- Examples:
 - List all files that end in .txt
 - `ls *.txt`
 - List all files that start with the string "file" regardless of extension.
 - `ls file.*`
 - Lists all files that have any letter before the string "file" and after as well.
 - `*file.*`

? Wildcard

The ? wildcard matches only one character.

- Examples:
 - List all the hidden files in the current directory
 - `./.*??*`
 - List all the hidden files in parent directory
 - `ls ../.*??*`
 - List all the files that have a 3 letter file extension.
 - `ls *.???`

[] Wildcard

Brackets match a single character in a range.

- Examples:
 - Match all files that have vowel after f
 - `ls f[aeiou]*`
 - Match all files which start with a number.
 - `ls [0-9]*`
 - March all files that begin with a letter a-p or start with p-z.
 - `ls [a-fp-z]*`

Brace Expansion

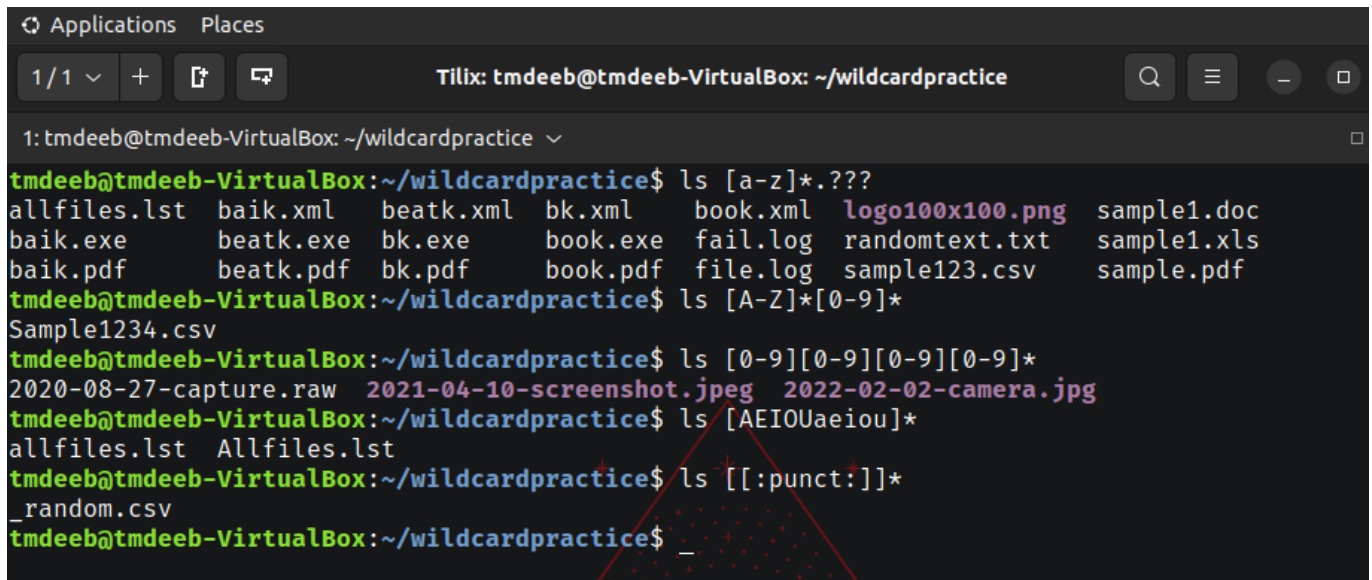
Practice

```
Applications  Places
1/1  +  [Icons]  [Terminal]  Tilix: tmdeeb@tmdeeb-VirtualBox: ~/wildcardpractice  [Search] [Menu] [Close] [Maximize] [Fullscreen]
1: tmdeeb@tmdeeb-VirtualBox: ~/wildcardpractice  [Close]
tmdeeb@tmdeeb-VirtualBox:~$ curl -s https://cis106.com/assets/wildcardpractice.sh | bash
--2023-04-19 09:10:11-- 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
2023-04-19 09:10:11 (8.44 MB/s) - 'logo100x100.png' saved [3520/3520]

tmdeeb@tmdeeb-VirtualBox:~$ ls wildcardpractice/*random*
wildcardpractice/_random.csv  wildcardpractice/random_text.md  wildcardpractice/randomtext.txt
tmdeeb@tmdeeb-VirtualBox:~$ ls wildcardpractice/*.txt wildcardpractice/*.csv
wildcardpractice/78food.txt  wildcardpractice/randomtext.txt  wildcardpractice/sample123.csv
wildcardpractice/_random.csv  wildcardpractice/sample1234.csv
tmdeeb@tmdeeb-VirtualBox:~$ cd wildcardpractice/
tmdeeb@tmdeeb-VirtualBox:~/wildcardpractice$ ls random.md
ls: cannot access 'random.md': No such file or directory
tmdeeb@tmdeeb-VirtualBox:~/wildcardpractice$ ls random*.md
random_text.md
tmdeeb@tmdeeb-VirtualBox:~/wildcardpractice$ ls *sample* *.md
random_text.md  sample1.doc  sample99.docx  sample.pdf
sample123.csv  sample1.xls  samplejsonfile.json  samplesite.html
tmdeeb@tmdeeb-VirtualBox:~/wildcardpractice$
```

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Applications  Places
1/1  +  [Icons]  [Terminal]  Tilix: tmdeeb@tmdeeb-VirtualBox: ~/wildcardpractice  [Search] [Menu] [Close] [Maximize] [Fullscreen]
1: tmdeeb@tmdeeb-VirtualBox: ~/wildcardpractice  [Close]
tmdeeb@tmdeeb-VirtualBox:~/wildcardpractice$ ls .??*
.bash_history  .hidden1.doc  .hidden1.py  .hidden2.doc  .hidden2.py  .hiddenFile.txt
tmdeeb@tmdeeb-VirtualBox:~/wildcardpractice$ ls b??*.???
baik.exe  baik.pdf  baik.xml  beatk.exe  beatk.pdf  beatk.xml  book.exe  book.pdf  book.xml
tmdeeb@tmdeeb-VirtualBox:~/wildcardpractice$ ls sample?.*
sample1.doc  sample1.xls
tmdeeb@tmdeeb-VirtualBox:~/wildcardpractice$ ls .??*.??
.hidden1.py  .hidden2.py
tmdeeb@tmdeeb-VirtualBox:~/wildcardpractice$
```



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Applications  Places

1/1  +  [icon]  [icon]  Tilix: tmdeeb@tmdeeb-VirtualBox: ~/wildcardpractice  [search]  [menu]  [back]  [close]

1: tmdeeb@tmdeeb-VirtualBox: ~/wildcardpractice  ▾

tmdeeb@tmdeeb-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
tmdeeb@tmdeeb-VirtualBox:~/wildcardpractice$ ls [A-Z]*[0-9]*
Sample1234.csv
tmdeeb@tmdeeb-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
tmdeeb@tmdeeb-VirtualBox:~/wildcardpractice$ ls [AEIOUaeiou]*
allfiles.lst  Allfiles.lst
tmdeeb@tmdeeb-VirtualBox:~/wildcardpractice$ ls [[:punct:]]*
_random.csv
tmdeeb@tmdeeb-VirtualBox:~/wildcardpractice$ _
```