

Weekly report 6

Wild Cards

*

* is used to represent any sequence of characters.

Command	Explanation
<code>ls *.txt</code>	show all txt files
<code>ls *chocolate*</code>	show all files with chocolate in the name
<code>ls *A.*</code>	show all files that have "A" before the extension

?

? is used to represent a single character.

Command	Explanation
<code>ls -A .??</code>	show all files with a two character extension
<code>ls -A ?????.*</code>	show all files with a 4 character name
<code>ls -A .??*</code>	show all hidden files

[]

[] is used to represent a range of characters.

Command	Explanation
<code>ls [A-Z]*</code>	show all files that begin with a capital
<code>ls [!e,!E]*</code>	show all files that do not start with the letter E in capital or lowercase
<code>ls [0-9][0-9][0-9][0-9]*</code>	show all files that begin with a sequence of four digits

Brace Expansion

{}

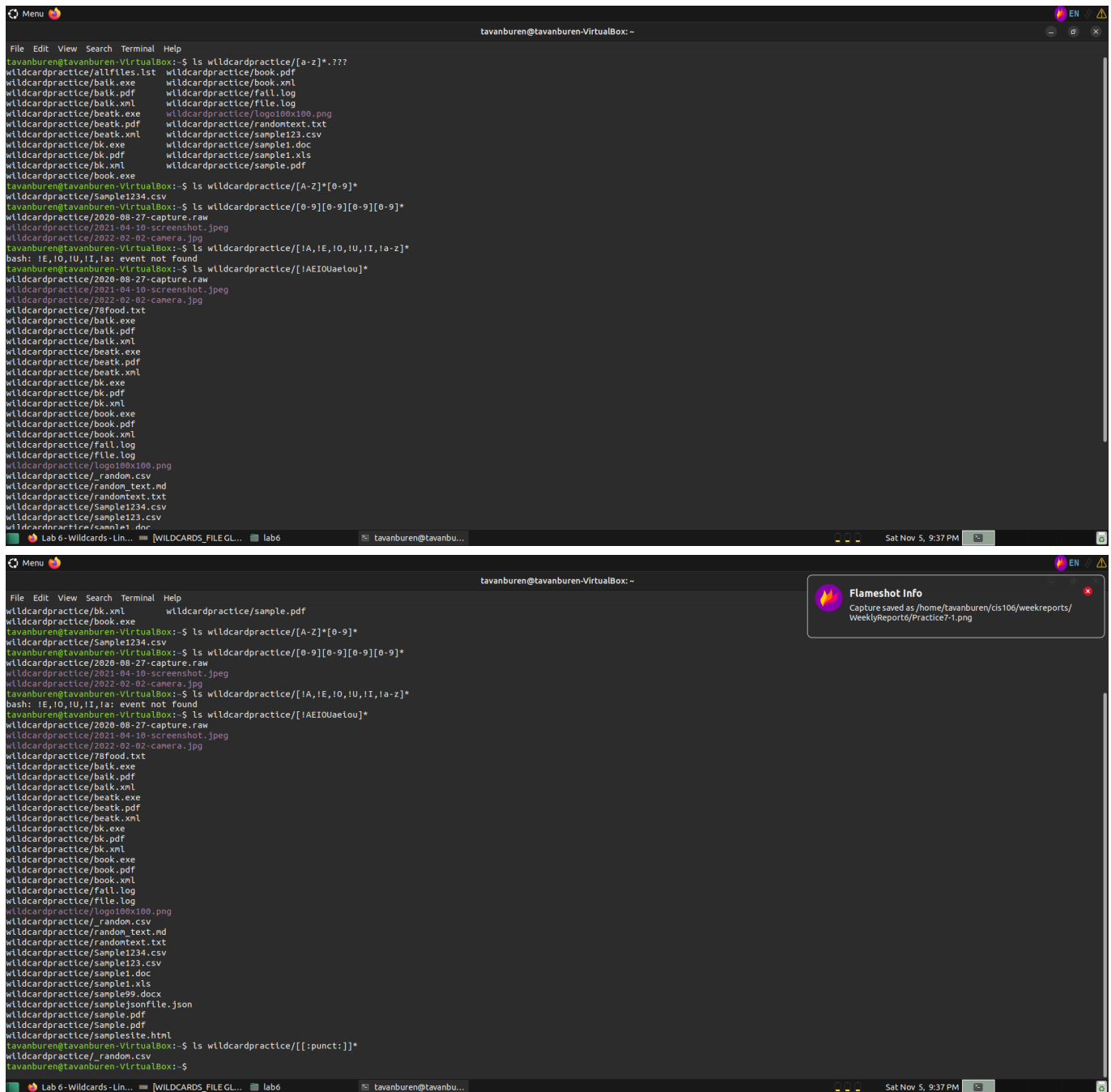
{ } is used to expand one command into multiple commands

Command	Explanation
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Command	Explanation
<code>echo Bracket A{ugmentation,llows,mazing,lliteration}</code>	Alliteration shows the amount of typing saved in an easily digestible way. One character for each word.
<code>touch Book{1,2,3,4,5,6,7,8,9}.txt</code>	Creates 9 numbered book files
<code>mkdir -p mkdir -p ~/College/{CIS{-106_Linux_Fundamentals/,-260_Data_Structures/},PY-120_Physics/}{Homework,Materials,Notes}</code>	Creates a directory for Several college courses. College branches into CIS and PY-120_Physics. CIS branches into two classes. CIS AND PY then branch into Homework, Material, and Notes.

Practice

```
tavanburen@tavanburen-VirtualBox: ~  
File Edit View Search Terminal Help  
tavanburen@tavanburen-VirtualBox:~$ ls wildcardpractice/*random*  
wildcardpractice/_random.csv      wildcardpractice/randomtext.txt  
wildcardpractice/random_text.md  
tavanburen@tavanburen-VirtualBox:~$ ls wildcardpractice/*.csv  
wildcardpractice/_random.csv      wildcardpractice/sample123.csv  
wildcardpractice/Sample1234.csv  
tavanburen@tavanburen-VirtualBox:~$ ls wildcardpractice/*.txt  
wildcardpractice/78food.txt      wildcardpractice/randomtext.txt  
tavanburen@tavanburen-VirtualBox:~$ ls wildcardpractice/random*.md  
wildcardpractice/random_text.md  
tavanburen@tavanburen-VirtualBox:~$ ls wildcardpractice/*sample*  
wildcardpractice/sample123.csv    wildcardpractice/samplejsonfile.json  
wildcardpractice/sample1.doc      wildcardpractice/sample.pdf  
wildcardpractice/sample1.xls      wildcardpractice/samplesite.html  
wildcardpractice/sample99.docx  
tavanburen@tavanburen-VirtualBox:~$ ls wildcardpractice/*.md  
wildcardpractice/random_text.md  
tavanburen@tavanburen-VirtualBox:~$
```



```

tavanburen@tavanburen-VirtualBox: ~
File Edit View Search Terminal Help
tavanburen@tavanburen-VirtualBox:~$ ls wlldcardpractice/[a-z]*.???
wlldcardpractice/allfiles.lst      wlldcardpractice/book.pdf
wlldcardpractice/balk.exe         wlldcardpractice/book.xml
wlldcardpractice/balk.pdf         wlldcardpractice/fail.log
wlldcardpractice/balk.xml        wlldcardpractice/file.log
wlldcardpractice/beatk.exe        wlldcardpractice/logo100x100.png
wlldcardpractice/beatk.pdf        wlldcardpractice/randomtext.txt
wlldcardpractice/beatk.xml        wlldcardpractice/sample123.csv
wlldcardpractice/bk.exe           wlldcardpractice/sample1.doc
wlldcardpractice/bk.pdf           wlldcardpractice/sample1.xls
wlldcardpractice/bk.xml           wlldcardpractice/sample.pdf
wlldcardpractice/book.exe
tavanburen@tavanburen-VirtualBox:~$ ls wlldcardpractice/[A-Z]*[0-9]*
wlldcardpractice/sample1234.csv
tavanburen@tavanburen-VirtualBox:~$ ls wlldcardpractice/[0-9][0-9][0-9][0-9]*
wlldcardpractice/2020-08-27-capture.raw
wlldcardpractice/2021-04-10-screenshot.jpeg
wlldcardpractice/2022-02-02-camera.jpg
tavanburen@tavanburen-VirtualBox:~$ ls wlldcardpractice/[!A,!E,!I,!O,!U,!I,!I,!a-z]*
bash: !E,!I,!O,!U,!I,!I,!a: event not found
tavanburen@tavanburen-VirtualBox:~$ ls wlldcardpractice/[!AEIOUaeiou]*
wlldcardpractice/2020-08-27-capture.raw
wlldcardpractice/2021-04-10-screenshot.jpeg
wlldcardpractice/2022-02-02-camera.jpg
wlldcardpractice/78food.txt
wlldcardpractice/balk.exe
wlldcardpractice/balk.pdf
wlldcardpractice/balk.xml
wlldcardpractice/beatk.exe
wlldcardpractice/beatk.pdf
wlldcardpractice/beatk.xml
wlldcardpractice/bk.exe
wlldcardpractice/bk.pdf
wlldcardpractice/bk.xml
wlldcardpractice/book.exe
wlldcardpractice/book.pdf
wlldcardpractice/book.xml
wlldcardpractice/fail.log
wlldcardpractice/file.log
wlldcardpractice/logo100x100.png
wlldcardpractice/_random.csv
wlldcardpractice/random_text.nd
wlldcardpractice/randomtext.txt
wlldcardpractice/sample1234.csv
wlldcardpractice/sample123.csv
wlldcardpractice/sample123.doc
wlldcardpractice/sample1.doc
wlldcardpractice/sample1.xls
wlldcardpractice/sample99.docx
wlldcardpractice/samplejsonfile.json
wlldcardpractice/sample.pdf
wlldcardpractice/sample.pdf
wlldcardpractice/samplesite.html
tavanburen@tavanburen-VirtualBox:~$ ls wlldcardpractice/[[:punct:]]*
wlldcardpractice/_random.csv
tavanburen@tavanburen-VirtualBox:~$
  
```

Lab 6 - Wildcards - Lin... [WILDCARDS_FILE GL... lab6 tavanburen@tavanbu... Sat Nov 5, 9:37 PM

Flameshot Info
Capture saved as /home/tavanburen/cis106/weekreports/WeeklyReport6/Practicer-1.png

Final thoughts

I enjoy bracket expansion. Need to think about it some more but it seems theres lots of creative ways to apply it.