weeklyreport6.md 4/4/2022

Week Report 6

Summary of Presentation:

• **Wildcards** A wildcard is a character that can be used in a search to replace any of a group of characters, considerably boosting the flexibility and efficiency of searches.

Wilcard	meaning	Example	
*	It matches anything and nothing matches any number of characters	ls *.txt	
?	In shell commands, is used as a wildcard character to indicate exactly one character or more, which can be any single character.	ls t?.txt	
[]	It matches a single character in a range	ls p[aeiou]*	
[!]	It matches all except what is inside the brackets	ls [ae]*	

WILDCARDS/FILE	GLOBBING CHEAT SHEET	Wildcard	Matches .	Example
WIEDOARDO/TIEE	GEODDING CHEAT CHEET	*	0 or multiple charact	ers ls *.pdf
The * Wildcard	The ? Wildcard	?	1 character	ls program?.py
List all txt and python files	Copy all the files that have 2 characters between 2 letters.	[] 1 character from a give characters		set of ls document[A-Z].doc
ls -A *.txt *.py	cp Downloads/b??k.pdf Documents/	[1]	The opposite of the give	en set
List all the files that have 'demo' in the name	List all the files with a 2 letter file extension			
ls -A *demo* ls -A Scripts/*.?? Programs/program.?? Downloads/setup*.??		POSIX CHARACTER CLASSES		
Move all the files inside a directory	Remove all the hidden files in a given directory	POSIX class	Equivalent to	Matches
mv Pictures/* ~/Backup/	rm Documents/.??*.doc	[:alnum:]	[A-Za-z0-9]	Digits, uppercase and lowercase letters
Delete all files that start with a given word	List all the hidden files that have a 4 letter file extension	[:alpha:]	[A-Za-z]	Upper- and lowercase letters
<u> </u>		[:ascii:]	[\x00-\x7F]	ASCII characters
rm Downloads/copy* Documents/new*.docx	ls -A .??*.????	[:blank:]	[\t]	Space and TAB characters only
	The [] wildcard	[:cntrl:]	[\x00-\x1F\x7F]	Control characters
List all the text files that start with an uppercase letter and all the python files that start with a number			[8-9]	Digits
ls -A [A-Z]*.txt [0-9]*.py			[^ [:cntrl:]]	Characters which have graphic representation
List all the ruby files that do not start with a number.			[a-z]	Lowercase letters
·			[[:graph:]]	Graphic characters and space
ls -A [!0-9]*.rb			[-!"#\$%&'()*+,./:;<=>?#[]^_'{ }~]	Punctuation characters except letters and digits
List all the files that have ane of the characters in a set before the extension			[\t\n\r\f\v]	All whitespace characters
List *[xyz].*			[A-Z]	Uppercase letters
List all files whose name begins with any 3 combination of numbers and the current user's username:			[A-Za-z0-9_]	Word characters
ls -A [0-9][0-9][0-9]\$USER*			[0-9A-Fa-f]	Hexadecimal digits

• Brace expansion and how to use it This is a feature of bash that allows to generate arbitrary string to use with commands.

Example, mkdir -p music/{jazz,rock}/{m3files,videos}new{1..3} Example removing multiple
files: rm -r {text1.tx,text2.txt,text3.txt}