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CPTS 224

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10/23/18

Assignment Five

- 1.) Find a regular expression that will allow you to grep for all lines containing words that start with "H" and end with "d".

Command: `grep -x 'H.*d' Jabberwocky.txt`

Result: *He left it dead, and with its head*

- 2.) Find a regular expression that will match all lines containing a capital "T", but not if capital "T" is the first character in the line.

I couldn't figure this one out, so here's my best attempt.

Command: `grep -v '^T' Jabberwocky.txt`

Result: *(All lines containing T)*

- 3.) Using sed, replace "'Twas" with "It certainly was" (notice the apostrophe before the 'T').

Command: `sed -i 's/'Twas/It certainly was/g' Jabberwocky.txt`

Result: *("'Twas" replaced with, "It certainly was" for each instance.)*

- 4.) Using sed, replace all occurrences of "the" or "The" with "a" or "A" (preserving the capitalization of the original).

Command: `sed -i 's/the/a/g' Jabberwocky.txt ; sed -i 's/The/A/g' Jabberwocky.txt`

Result: *(Replaced "the" and "The" with appropriate "a" or "A" instances.)*

- 5.) Find all of the punctuation marks used in the poem, and give a count of the number of occurrences of each. (Hint: you can do something similar to the "tr + sort" word count example in the notes.)

Command: `grep -o '[:punct:]' Jabberwocky.txt | sort | uniq -c`

Result:

```
3 -  
15 ,  
2 ;  
1 :  
11 !  
1 ?  
5 .  
2 '  
4 "
```