

While inside they wined and dined, safe from the howling wind.

And she whined, it seemed, for the 100th time, into the ear of her friend,

“Why indeed should I wind the clocks up, if they all run down in the end?”

“” day 1 “”

[ie] set of characters (i or e) /`[wd]ine?d`/

/`a.+?b|b.+?c|c.+?d|d.+?e`/ (Iter each char to find one of those pattern)

/s : dot all (including new line)

- 1) Literal characters /`win`/
- 2) Case insensitive /`wh/i`
- 3) Or /`it|of|up|if|in`/
- 4)
- 5) dot /`e.e`/
- 6)
- 7) Quantifier ? /`i.?e`/ /`in.?.?.?d`/
 * /`w.*in.*d`/
 ? /`w.?in.*?d/s`
 + /`the.+?y/s`

“” day 2 “”

/i case insensitive Ex) /`wh/i` find ‘wh’, but case insensitive

| or Ex) /`it|of`/ find it or of

. dot, any character except newline Ex) /`a.c`/ abc, a c, aac, ...

? quantifier, one or zero (greedy – prefer to have one)

Ex) /`ab?`/ ab, a (but, prefer to have ab)

* quantifier, zero or more (greedy – find max)

Ex) /`ab*c`/ abcd`fg...c`, abbbbbc, abaaaac, ac

+ quantifier, one or more (greedy – find max)

Ex) /`ab+c`/ abcd`fg...c`, abbbbbc, abaaaac, abc

*? Change to ungreedy (find min) Ex) prefer ac for /`ab*c`/

+? Change to ungreedy (find min) Ex) prefer abc for /`ab+c`/

[] character class (can use only characters in [])

Ex) [aeiou] only vowels, [-0-9] means [-0123456789]

^ anchor, beginning of each line, used with option /m (multi line)

\$ anchor, end of line, used with option /m

Ex) /ab\$/m at the end of line, finish with 'ab'

\b word boundary ex) after each space, beginning of each line, ...

\w pre-made character class [0-9a-zA-Z_] alphanumeric characters and _

Ex) /\w/ only alpha-numeric characters or '_' (no space)

{#, #} or {#,} + \cong {1,} * \cong {0,} ? \cong {0,1}

Ex) /a{2,3}/ aa, aaa

25. Write a regular expression to match all words with at least two consonants.