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4/5/17

1.

a) dancing room, report, ‘lirr train’

b) cse337, class2017, 3-24-2017, 256.781, 905-381-5472

c) cc, rock, coca-cola, <#c>, rubik’s cube

d) bookstore, booking, “returned books’

e) balloons, bookstore, “Look”, POolroOM

2.

a) The regex matches anything starting with a double-quote and ending with a double-quote, except when there’s a double-quote in between. Ex: “ ”, “Works”.

b) The regex matches any string that starts with zero or one – or +, followed by zero or more digit, followed by zero or one substring of the character “.” with zero or more digit, followed by F, ending with a word boundary such as whitespace. Ex: 9F, +0.04F

c) The regex matches any string that starts with a capture group#1 that indicates at least two non-digit characters, followed by 0 or more characters except line breaks, followed by ‘[‘, and followed by the same exact capture group#1, then ending with a ‘]’. Ex. ab[ab], opie[op]

d) This regex matches a string that starts with at least one digit, followed by ‘/’, followed by least one digit, follow by a match of either of the followings: 1) Any character in [+-\*/] followed by ‘=’ or 2) Match either of the followings: 2a) Exactly two ‘+’ or 2b) Exactly two ‘-‘, then followed by ‘;’ and end of line. Ex: 4/2\*=; , 100/25++;

e) This regex replaces the strings: Zero or one ‘#’ followed by 1, ‘one’ with [January]. Ex. #1, one

f) This regex matches any string that start with a capturing group with any number of characters, followed by a digit from 0-9, followed by a whitespace, and followed by the exact same strings as the capturing group. Ex. D9 D, 109 10

3.

a) s/\s//g Ex. d a g g e R, sp a ce

b) (?:\b(\w+)\b) (?:\1(?: |$))+ Ex. word word, same same same

c) (\s(\w+)\s)|^$ Ex. this works , (empty line)