

1. Give the nicely clean and compact RegEx to match and return all occurrences of cs2316, CS2316, cs 2316, CS 2316, Cs 2316, Cs2316, cS2316, cS 2316. Capture and return only the course matches (not strings that contain the course as a substring).
2. Give the RegEx for any alpha word that contains three or more x's as a substring. Return the entire whitespace delimited word, not just the xxx part.
3. Give the RegEx for any alpha word that contains "gt" as a subsequence. (Subsequence means there could be letters between the g and the t.)
4. Give the RegEx to find words that are exclusively g's and t's.
5. Give the RegEx to find words that contain an odd number of t's. (They can contain other alpha characters too.) Capture and return the whole word.
6. Give the RegEx for words that contain "cat" as a substring. It should allow "cat", "Cat", "CaT", etc. (Any mix of case is allowed.)