CIND 719 ASSIGNMENT #1 - HARNOOR RANGI

Question 1) Create one regular expression to match all common misspellings of "calendar", so you
can find this word in a document without having to trust the author's spelling ability.
Allow an "a" or "e" to be used in each of the vowel positions.

Answer : /c[ae]l[ae]nd[ae]r

Question 2) Create a regex that matches "cat" in text like "My cat is brown", but not in "category" or "bobcat" (i.e. whole word).

Answer:
Word Boundaries

\W((?i)cat(?-i))\W

Question 3) Create another regex that matches "cat" in text like "staccato", but not in "My cat is brown", "category" or "bobcat" (i.e. mid part of word).

Answer:
\Bcat\B

Question 4) Create a regular expression that matches any date in yyyy-mm-dd format. You can assume all dates in the subject text to be valid. The regular expression does not have to exclude things like 9999-99-99, as these won't occur in the subject text at all.

Answer:
\d{4}-\d{2}-\d{2}

Question 5) Create a regular expression that matches a 32-bit hexadecimal number (Hint: First find out how many digits a 32-bit hex has and how it is commonly represented not be be confused with dictionary words like FACE).

Answer: 0[xX][0-9a-fA-F]+