Assignment 1 - Getting Started

Q1

Given two strings, determine if one is an anagram of the other. Two words are anagrams of each other if they are made of the same letters in a different order.

For example:

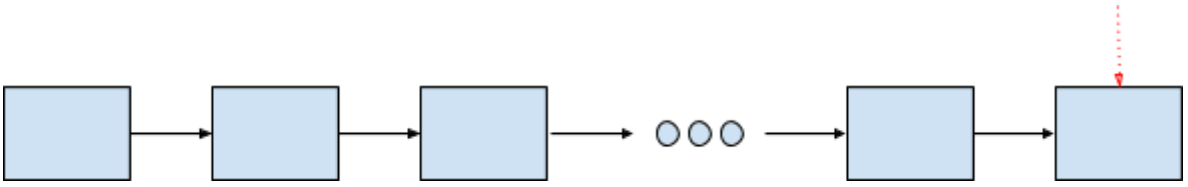
- "listen" and "silent" are anagrams
- "triangle" and "integral" are anagrams
- "apple" and "pabble" are NOT anagrams

Optional Follow-ups:
Make the algorithm able to handle both case sensitive and case insensitive anagrams.
Make the algorithm able to handle anagrams of sentences, where each word in the resulting sentence is an anagram of one of the words in the original sentence.

Q2

Implement an algorithm to find the kth to last element of a singly linked list.
For example:

- k = 0 is the last element of the list



- k = 1 is the element before the last element