Lab 4

1. Devise an O(n) algorithm to accomplish this task.
   Given a none-empty string S of length n, S consists some words separated by spaces. We want to reverse every word in S.
   For example, given S = “we test coders”, your algorithm is going to return a string with every word in S reversed and separated by spaces. So the result for the above example would be “ew tset sredoc”.
   Explain why your algorithm’s running time is O(n).

2. https://leetcode.com/problems/implement-stack-using-queues/description/ (The problem asks you to implement a stack using two queues, see if you can do it with one queue. Submit either solution.)

3. https://leetcode.com/problems/reverse-linked-list/description/ (Note that in this implementation, head stores data – it is not a ‘blank’ node.)

4. https://leetcode.com/problems/valid-anagram/description/