Different exercises

- 1. Show how to implement a stack using two queues. Describe how the operations push and pop will be implemented using the queue operations enqueue() and dequeue(). Give the running time of each stack operation.
- 2. (a) What is a circular link list?
 - (b) How to transform a singly link list into a circular link list?
 - (c) How how to transform a doubly link list into a circular list?
- 3. Implement a stack using a singly linked list. The operations push() and pop() should still run in O(1)
- 4. Implement a queue using a singly linked list. The operations enqueue() and dequeue() should work in O(1).
- 5. If there are n nodes in a binary tree, how many null pointers the tree has?