

# Data Structures and Algorithms - Assignment 6

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1. Implement singly circular linked list using tail pointer (no head pointer). Compare time complexities of all operations.
2. In singly linear list implement following operations.
  - insert a new node after a given node
  - insert a new node before a given node
3. Write a function which will insert values in sorted order into linked list.
4. Leetcode Problem : <https://leetcode.com/problems/reverse-linked-list/description>
5. Leetcode Problem : <https://leetcode.com/problems/reverse-linked-list-ii/description>
6. Leetcode Problem : <https://leetcode.com/problems/middle-of-the-linked-list/description>
7. Leetcode Problem : <https://leetcode.com/problems/delete-the-middle-node-of-a-linked-list/description>
8. Leetcode Problem : <https://leetcode.com/problems/linked-list-cycle/description>
9. Leetcode Problem : <https://leetcode.com/problems/palindrome-linked-list/description>