Linked List assignments

- 1. Create Single Linked List class with following functionalities:
 - a. Add at head
 - b. Add at tail
 - c. Delete at head
 - d. Delete at tail
 - e. Add after given data
 - f. Delete after given data
 - g. Search an element
- Assume that we have two linked lists. Elements in individual list are unique. There may
 be identical elements across linked lists. Create a third list which contains only common
 elements across first two lists.
- 3. Find the sum of last 'n' nodes in single linked list. Where 'n' will be given. Sum should be calculated with one iteration.
- 4. Reverse the single linked list.
- 5. Implement split() function which splits given linked list into two separate linked lists containing alternate elements from original list.
- 6. Check whether given linked list is palindrome or not.
- 7. Write an efficient code to remove duplicate elements from single linked list. (you can make use of built in data structure "set").
- 8. Find middle element of linked list without iterating all elements.
- 9. Find whether linked list contains cycle.