

ADSA Lab Assignment on Linked List

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1. Reverse a Linked List: Write a function to reverse a singly linked list. [\[Read the Idea\]](#) [\[Do Program\]](#)
2. Detect a Cycle in a Linked List: Write a function to detect if a cycle exists in a linked list. [\[Read the Idea\]](#) [\[Do Program\]](#)
3. Find the Middle of a Linked List: Write a function to find the middle element of a linked list. [\[Read the Idea\]](#) [\[Do Program\]](#)
4. Merge Two Sorted Linked Lists: Write a function to merge two sorted linked lists into one sorted linked list. [\[Read the Idea\]](#) [\[Do Program\]](#)
5. Remove Nth Node from End of List: Write a function to remove the Nth node from the start/end of a linked list. [\[Read the Idea\]](#) [\[Do Program\]](#)