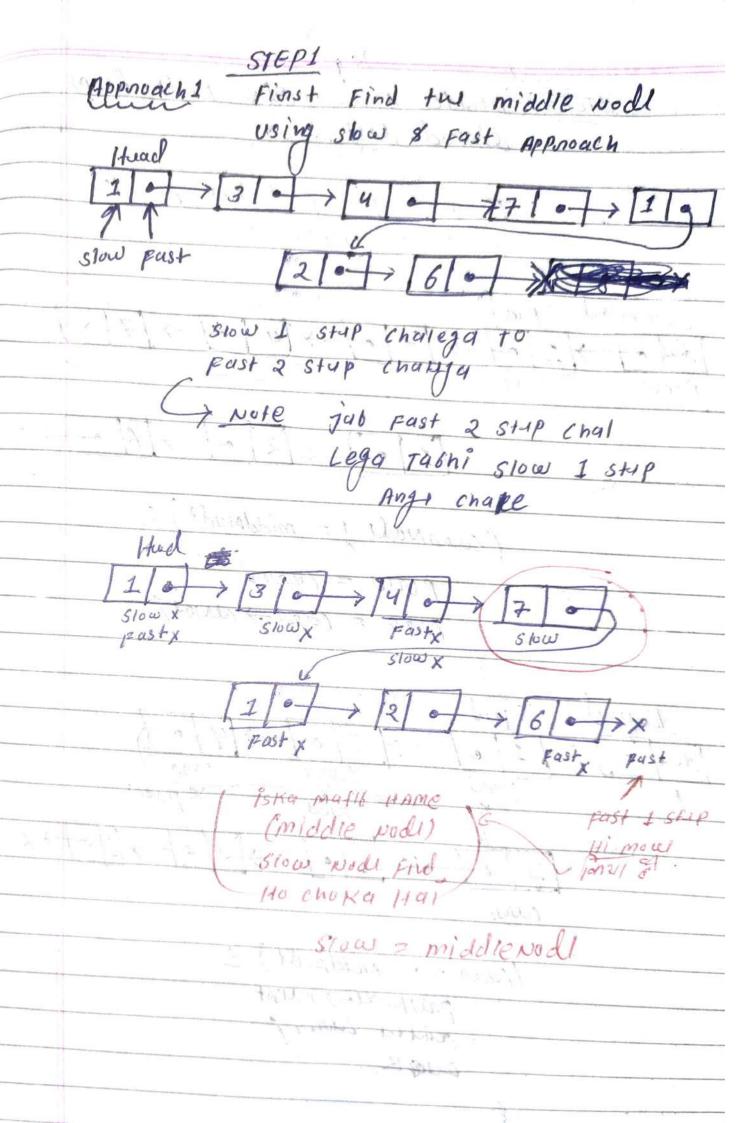
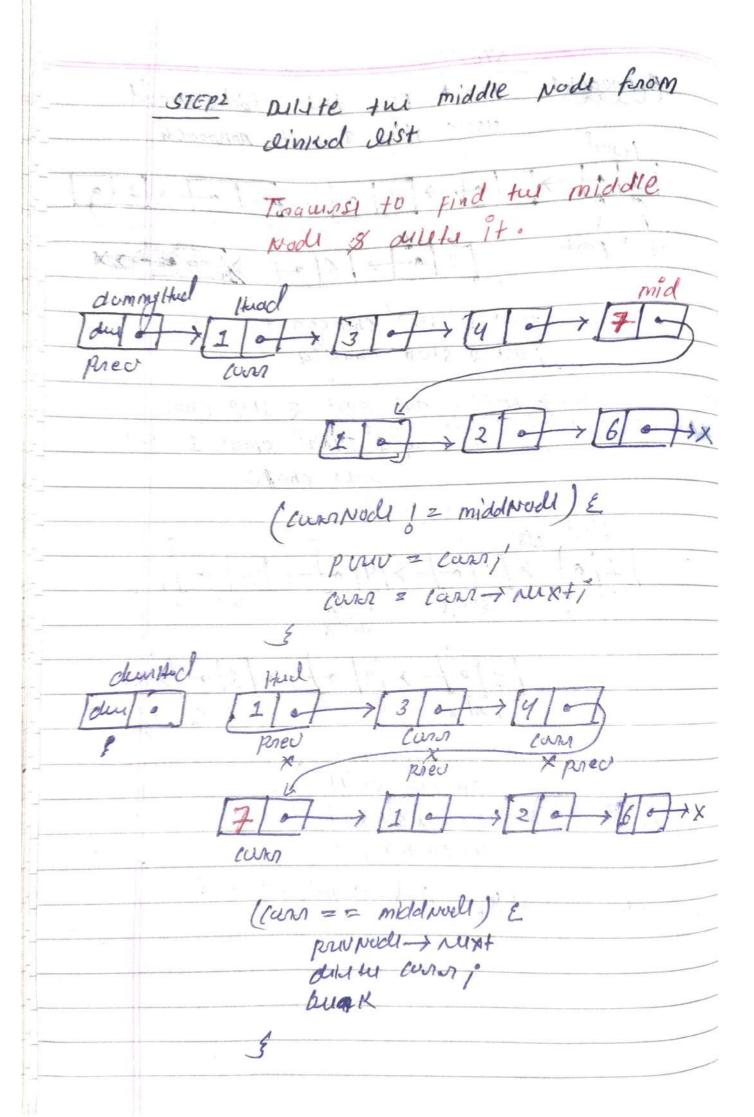


2095 Leet Coll Durite the middle woll of Linked List Impostant line middle would MidzN





Rieu > mux+ = com > mux+ cretur dummy/twel-> ruxt OUTPOL Frace Complexity = O(N)

Space Complexity = O(1)

```
class Solution {
public:
   ListNode* middleNode(ListNode* head) {
        ListNode* slow = head;
        ListNode* fast = head;
        while(fast != NULL){
            fast = fast->next;
            if(fast != NULL){
                fast = fast->next;
                slow = slow->next;
            }
        }
        return slow;
    }
    ListNode* deleteMiddle(ListNode* head) {
        if(head->next == NULL){
            return NULL;
        }
        ListNode* midNode = middleNode(head);
        ListNode* dummyHead = new ListNode();
        dummyHead->next = head;
        ListNode* prevNode = dummyHead;
        ListNode* currNode = head;
        while(currNode != NULL){
            if(currNode != midNode){
                prevNode = currNode;
                currNode = currNode->next;
            else if(currNode == midNode){
                prevNode->next = currNode->next;
                delete currNode;
                break;
            }
        }
        head = dummyHead->next;
        delete dummyHead;
        return head;
    }
};
```