#15 days Dsa Coding challenge

Day 7

#Leetcode 92

Reverse Linkedlist II

Solution:

class Solution {

public:

ListNode\* reverseBetween(ListNode\* head, int left, int right) {

if (!head || left == right) return head;

ListNode\* prev = nullptr;

ListNode\* curr = head;

for (int i = 1; i < left; i++) {

prev = curr;

curr = curr->next;

}

ListNode\* before = prev;

ListNode\* tail = curr;

ListNode\* nxt = nullptr;

for (int i = 0; i < right - left + 1; i++) {

nxt = curr->next;

curr->next = prev;

prev = curr;

curr = nxt;

}

if (before) before->next = prev;

else head = prev;

tail->next = curr;

return head;

}

};

Time Complexity:O(n)

Space Complexity:O(1)