

Leetcode - Problem 92

→ Reverse linked list - II

```

struct ListNode* reverseBetween(struct ListNode* head, int left, int right)
{
    if(head == NULL) return NULL;
    if(left == right) return head;
    struct ListNode* prev = NULL;
    struct ListNode* curr = head;

    int index = 1;
    while(index < left)
    {
        prev = curr;
        curr = curr->next;
        index++;
    }

    struct ListNode* leftMinusOneNode = prev;
    struct ListNode* leftNode = curr;
    struct ListNode* next = NULL;
    while(left <= right)
    {
        next = curr->next;
        curr->next = prev;
        prev = curr;
        curr = next;
        left++;
    }

    if(leftMinusOneNode == NULL)
        head = prev;
    else
        leftMinusOneNode->next = prev;
    leftNode->next = curr;
    return head;
}

```

O/P:-

head = [1, 2, 3, 4, 5], left = 2, right = 4

output = [1, 4, 3, 2, 5]