

Leetcode 2.

```

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

```

```

    if (head == NULL || left == right)
    {

```

```

        return head;
    }

```

```

    struct ListNode* dummy = (struct ListNode*)
        malloc(sizeof(struct ListNode));
    dummy->next = head;
    struct ListNode* prev = dummy;

```

```

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

```

```

    }

```

```

        prev = prev->next;
    }

```

```

    }

```

```

    struct ListNode* current = prev->next;

```

```

    struct ListNode* next = NULL;

```

```

    struct ListNode* tail = current;

```

```

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

```

```

    }

```

```

        struct ListNode* temp = current->next;
        current->next = next;

```

```

        next = current;

```

```

        current = temp;
    }

```

```

    }

```

prev → next = next;  
tail → next = current;

struct tnode\* result = dummy → next;  
free(dummy);  
return result;  
}

output

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