



Hello Igor, [COMPLETE](#) your daily stand up report :-)



Quest09

Subject

1 Solution

Additional
Resources (0)

Quest09

Remember to git add && git commit && git push each exercise!

We will execute your function with our test(s), please DO NOT PROVIDE ANY TEST(S) in your file

For each exercise, you will have to create a folder and in this folder, you will have additional files that contain your work. Folder names are provided at the beginning of each exercise under `submit directory` and specific file names for each exercise are also provided at the beginning of each exercise under `submit file(s)`.

Introduction

Control Center



Group formation
- (July 2, 2022 9:58am)



Progress - (July 2, 2022 9:58am)



Submitted - (July 9, 2022 4:27pm)



Test Review - July 9, 2022 4:27pm

Quest09	Reverse Linked List
Submit directory	ex00
Submit file	reverse-linked-list.c

Description

Reverse a singly linked list.

Example:

Input: 1->2->3->4->5->NULL
Output: 5->4->3->2->1->NULL

Function prototype (c)

```
/*
**
** QWASAR.IO -- reverse_linked_list
**
** @param {listnode*} param_1
**
** @return {listnode*}
**
*/
#ifndef STRUCT_LISTNODE
#define STRUCT_LISTNODE
typedef struct s_listnode
{
    int val;
    struct s_listnode* next;
} listnode;
#endif

listnode* reverse_linked_list(listnode*
param_1)
{

}
```



Finished - July 9, 2022
4:27pm



[Go To DoCode](#)



Access:

READ

WRITE

[Go To Gitea](#)

[Keep Working On This Solution](#)

Also working on the project



[suxrob](#)
[ov_s](#)



[lima-](#)
[cid_s](#)



[nurulla](#)
[y_s](#)

Type

Project

Group
Size

1
Participant

Review
system

Test Review (Gandalf)

Difficult
y

Initiation

Quest09	Remove Nth Node From End Of List
Submit directory	ex01
Submit file	remove-nth-node-from-end-of-list.c

Description

Given a linked list, remove the n -th node from the end of list and return its head.

Example:

Given linked list:
1->2->3->4->5, and $_n_ = 2$.
After removing the second node from the end, the linked list becomes 1->2->3->5.

Note:

Given $_n_$ will always be valid.

Function prototype (c)

Average
duration
 n

1
Week

Project's Metadata

Project

id: 140

name: quest09

visible: True



[Learning](#)

[Chat](#)

[Gitea](#)

[Name - Login](#)





```
/*
**
** QWASAR.IO --
remove_nth_node_from_end_of_list
**
** @param {listnode*} param_1
** @param {int} param_2
**
** @return {listnode*}
**
*/
#ifndef STRUCT_LISTNODE
#define STRUCT_LISTNODE
typedef struct s_listnode
{
    int val;
    struct s_listnode* next;
} listnode;
#endif

listnode*
remove_nth_node_from_end_of_list(listnode*
    param_1, int param_2)
{

}
```

Quest09	Remove Duplicates From Sorted List
Submit directory	ex02
Submit file	remove-duplicates-from-sorted-list.c

Description

Given a sorted linked list, delete all duplicates such that each element appear only *once*.

Example 00:

Input: 1->1->2
Output: 1->2

Example 01:

Input: 1->1->2->3->3
Output: 1->2->3

Function prototype (c)

```
/*
**
** QWASAR.IO --
remove_duplicates_from_sorted_list
**
** @param {listnode*} param_1
**
** @return {listnode*}
**
*/
#ifdef STRUCT_LISTNODE
#define STRUCT_LISTNODE
typedef struct s_listnode
{
    int val;
    struct s_listnode* next;
} listnode;
#endif

listnode*
remove_duplicates_from_sorted_list(listnode
param_1)
{

}
```

Quest09	Merge K Sorted Lists
Submit directory	ex03
Submit file	merge-k-sorted-lists.c

Description

Merge k sorted linked lists and return it as one sorted list.
Analyze and describe its complexity.

Example:

Input: [1->4->5, 1->3->4, 2->6]
Output: 1->1->2->3->4->4->5->6

Function prototype (c)

```

/*
**
** QWASAR.IO -- merge_k_sorted_lists
**
** @param {listnode_array*} param_1
**
** @return {listnode*}
**
*/
#ifndef STRUCT_LISTNODE
#define STRUCT_LISTNODE
typedef struct s_listnode
{
    int val;
    struct s_listnode* next;
} listnode;
#endif

#ifndef STRUCT_LISTNODE_ARRAY
#define STRUCT_LISTNODE_ARRAY
typedef struct s_listnode_array
{
    int size;
    listnode **array;
} listnode_array;
#endif

listnode*
merge_k_sorted_lists(listnode_array*
param_1)
{

}

```