

Problem

Editorial

Submissions

Comments

Output Window

Compilation Results

Custom Input

Y.O.G.I. (AI Bot)

Compilation Completed

For Input: 12

Your Output: 12

Expected Output: 12

C++ (g++ 5.4)

Start Timer

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DescriptionEditorialSolutionsSubmissions

83. Remove Duplicates from Sorted List

EasyTopicsCompanies

Given the `head` of a sorted linked list, delete all duplicates such that each element appears only once. Return the linked list *sorted* as well.

Example 1:

```
graph LR; n1((1)) --> n2((1)); n2 --> n3((2)); n1 --> n4((1)); n4 --> n5((2));
```

Input: head = [1,1,2]
Output: [1,2]

Code

C++Auto

```
1 class Solution {
2 public:
3     bool hasCycle(ListNode* head) {
4         if (!head || !head->next) return false;
5
6         ListNode* slow = head;
7         ListNode* fast = head;
8
9         while (fast && fast->next) {
10             slow = slow->next;
```

SavedLn 1, Col 1

TestcaseTest Result

Case 1Case 2+

head =

[1,1,2]

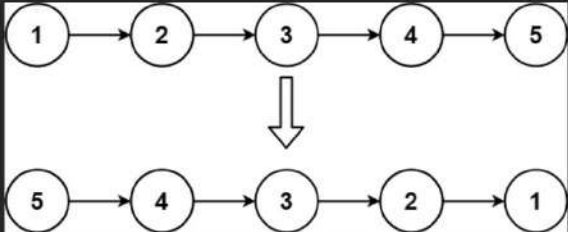
206. Reverse Linked List

Solved

Easy Topics Companies

Given the `head` of a singly linked list, reverse the list, and return *the reversed list*.

Example 1:



Input: head = [1,2,3,4,5]
Output: [5,4,3,2,1]

Example 2:



Code

C++ Auto

```
1 class Solution {
2 public:
3     ListNode* reverseList(ListNode* head) {
4         ListNode* prev = nullptr;
5         ListNode* current = head;
6
7         while (current) {
8             ListNode* next = current->next;
9             current->next = prev;
10            prev = current;
```

Saved

Ln 1, Col 1

Testcase Test Result

Case 1 Case 2 Case 3 +

head =

[1,2,3,4,5]

Description Editorial Solutions Submissions

2095. Delete the Middle Node of a Linked List

Attempted

Medium Topics Companies Hint

You are given the `head` of a linked list. Delete the **middle node**, and return the `head` of the modified linked list.

The **middle node** of a linked list of size `n` is the $\lfloor n / 2 \rfloor^{\text{th}}$ node from the **start** using **0-based indexing**, where $\lfloor x \rfloor$ denotes the largest integer less than or equal to `x`.

- For `n` = 1, 2, 3, 4, and 5, the middle nodes are 0, 1, 1, 2, and 2, respectively.

Example 1:



Input: `head = [1,3,4,7,1,2,6]`

Output: `[1,3,4,1,2,6]`

Explanation:

Code

C++ Auto

```
1 #include <iostream>
2
3 struct ListNode {
4     int val;
5     ListNode *next;
6     ListNode(int x) : val(x), next(nullptr) {}
7 };
8
9 class Solution {
10 public:
```

Saved

Testcase Test Result

Case 1 Case 2 Case 3 +

head =

[1,3,4,7,1,2,6]

21. Merge Two Sorted Lists

Solved

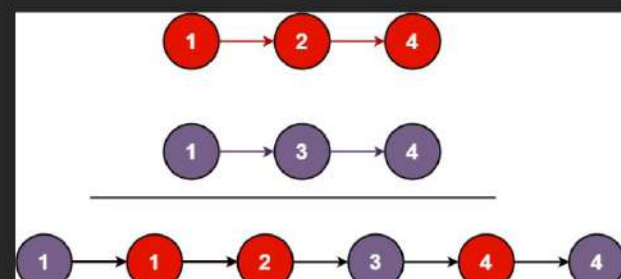
Easy Topics Companies

You are given the heads of two sorted linked lists `list1` and `list2`.

Merge the two lists into one **sorted** list. The list should be made by splicing together the nodes of the first two lists.

Return the head of the merged linked list.

Example 1:



Code

C++ Auto

```
1 class Solution {
2 public:
3     ListNode* mergeTwoLists(ListNode* list1, ListNode* list2) {
4         ListNode dummy(0); // Dummy node to simplify handling
5         ListNode* tail = &dummy;
6
7         while (list1 && list2) {
8             if (list1->val < list2->val) {
9                 tail->next = list1;
10                list1 = list1->next;
11            }
12            else {
13                tail->next = list2;
14                list2 = list2->next;
15            }
16            tail = tail->next;
17        }
18        if (list1) tail->next = list1;
19        if (list2) tail->next = list2;
20        return dummy->next;
21    }
22 }
```

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Testcase Test Result

Case 1 Case 2 Case 3 +

list1 =

[1,2,4]

list2 =

[1,3,4]

Problem List

82. Remove Duplicates from Sorted List II

Solved

Medium

Topics

Companies

Given the `head` of a sorted linked list, delete all nodes that have duplicate numbers, leaving only distinct numbers from the original list. Return the linked list **sorted** as well.

Example 1:

Input: `head = [1,2,3,3,4,4,5]`
Output: `[1,2,5]`

Code

```
1 class Solution {
2 public:
3     ListNode* deleteDuplicates(ListNode* head) {
4         if (!head || !head->next) return head; // Edge case: empty list or single node
5
6         ListNode* dummy = new ListNode(0);
7         dummy->next = head;
8         ListNode* prev = dummy;
9
10        return dummy->next;
11    }
12 }
```

Saved

Ln 1, Col 1

Testcase

Test Result

Case 1

Case 2

+

head =

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

141. Linked List Cycle

Solved

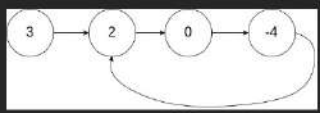
Easy Topics Companies

Given head, the head of a linked list, determine if the linked list has a cycle in it.

There is a cycle in a linked list if there is some node in the list that can be reached again by continuously following the next pointer. Internally, pos is used to denote the index of the node that tail's next pointer is connected to. **Note that pos is not passed as a parameter.**

Return true if there is a cycle in the linked list. Otherwise, return false.

Example 1:



Input: head = [3,2,0,-4], pos = 1

```
bool hasCycle(ListNode* head) {  
    if (!head || !head->next) return false;  
}
```

Case 1 Case 2 Case 3

Input

head =
[3,2,0,-4]

pos =
1

Output
true

Expected
true

Description Editorial Solutions Submissions

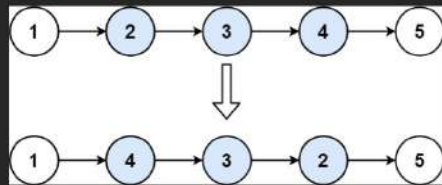
92. Reverse Linked List II

Attempted

Medium Topics Companies

Given the `head` of a singly linked list and two integers `left` and `right` where `left <= right`, reverse the nodes of the list from position `left` to position `right`, and return the reversed list.

Example 1:



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

Output: [1,4,3,2,5]

Code

C++ Auto

```
1 class Solution {
```

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Ln 1, Col 1

Testcase Test Result

Case 1 Case 2 +

head =

[1,2,3,4,5]

left =

2

right =

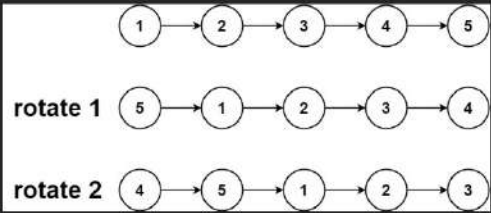
4

61. Rotate List

Medium Topics Companies

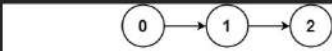
Given the head of a linked list, rotate the list to the right by k places.

Example 1:



Input: head = [1,2,3,4,5], k = 2
Output: [4,5,1,2,3]

Example 2:



Code

C++ Auto

```
1 class Solution {
2 public:
3     ListNode* rotateRight(ListNode* head, int k) {
4         if (!head || k == 0) return head;
5
6         int length = 1;
7         ListNode* tail = head;
8         while (tail->next) {
9             tail = tail->next;
10            length++;
11        }
```

Saved

Testcase Test Result

Case 1 Case 2 +

head =

[1,2,3,4,5]

k =

2

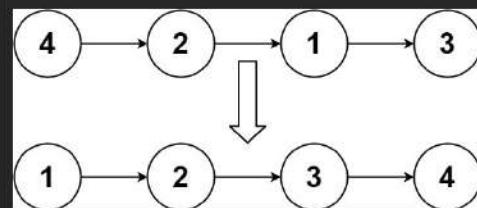
148. Sort List

Solved

Medium Topics Companies

Given the `head` of a linked list, return the list after sorting it in *ascending order*.

Example 1:



Input: head = [4,2,1,3]
Output: [1,2,3,4]

Example 2:



Code

C++ Auto

```
1 class Solution {
2 public:
3     ListNode* sortList(ListNode* head) {
4         if (!head || !head->next) return head;
5
6         // Split the list into halves
7         ListNode* slow = head;
8         ListNode* fast = head->next;
9         while (fast && fast->next) {
10             slow = slow->next;
```

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Ln 1, Col

Testcase Test Result

Case 1 Case 2 Case 3 +

head =

[4,2,1,3]

DescriptionAccepted ×EditorialSolutionsSubmissions

142. Linked List Cycle II

Solved

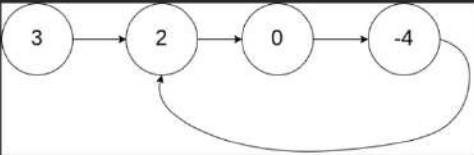
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Given the head of a linked list, return the node where the cycle begins. If there is no cycle, return null.

There is a cycle in a linked list if there is some node in the list that can be reached again by continuously following the next pointer. Internally, pos is used to denote the index of the node that tail's next pointer is connected to (0-indexed). It is -1 if there is no cycle. **Note that pos is not passed as a parameter.**

Do not modify the linked list.

Example 1:



Code

C++Auto

SavedLn 26, Col 1

TestcaseTest Result

AcceptedRuntime: 0 ms

Case 1Case 2Case 3

Input

head =
[3,2,0,-4]

pos =
1

Output

tail connects to node index 1

Expected

tail connects to node index 1