

LeetCode

Explore

Problems

Interview

Contest

Discuss

Store

September LeetCode Challenge 2021

Premium

Description

Solution

Discuss (999+)

Submissions

Success

Details

Runtime: 12 ms, faster than 37.10% of C++ online submissions for Merge Two Sorted Lists.

Memory Usage: 14.9 MB, less than 16.93% of C++ online submissions for Merge Two Sorted Lists.

Next challenges:

Merge k Sorted Lists

Merge Sorted Array

Sort List

Shortest Word Distance II

Add Two Polynomials Represented as Linked Lists

Longest Common Subsequence Between Sorted Arrays

Show off your acceptance:

Time Submitted	Status	Runtime	Memory	Language
09/24/2021 16:16	Accepted	12 ms	14.9 MB	cpp

C++

Autocomplete

```
11 class Solution {
12 public:
13     ListNode* mergeTwoLists(ListNode* l1, ListNode* l2) {
14         ListNode *list = new ListNode();
15         ListNode *current = list;
16
17         while(l1 && l2){
18             if(l1->val <= l2->val){
19                 ListNode *temp = l1;
20                 current->next = temp;
21                 current = temp;
22                 l1 = l1->next;
23             }else{
24                 ListNode *temp = l2;
25                 current->next = temp;
26                 current = temp;
27                 l2 = l2->next;
28             }
29         }
30
31         while(l1){
32             ListNode *temp = l1;
33             current->next = temp;
34             current = temp;
35             l1 = l1->next;
36         }
37
38         while(l2){
39             ListNode *temp = l2;
40             current->next = temp;
41             current = temp;
42             l2 = l2->next;
43         }
44         return list->next;
45     }
46 };
47
48
```

Your previous code was restored from your local storage. [Reset to default](#)

Problems

Pick One

< Prev

21/2015

Next >

Console

Contribute i

Run Code

Submit