

Merge Two Sorted Lists (/problems/merge-two-sorted-lists/)

Submission Detail

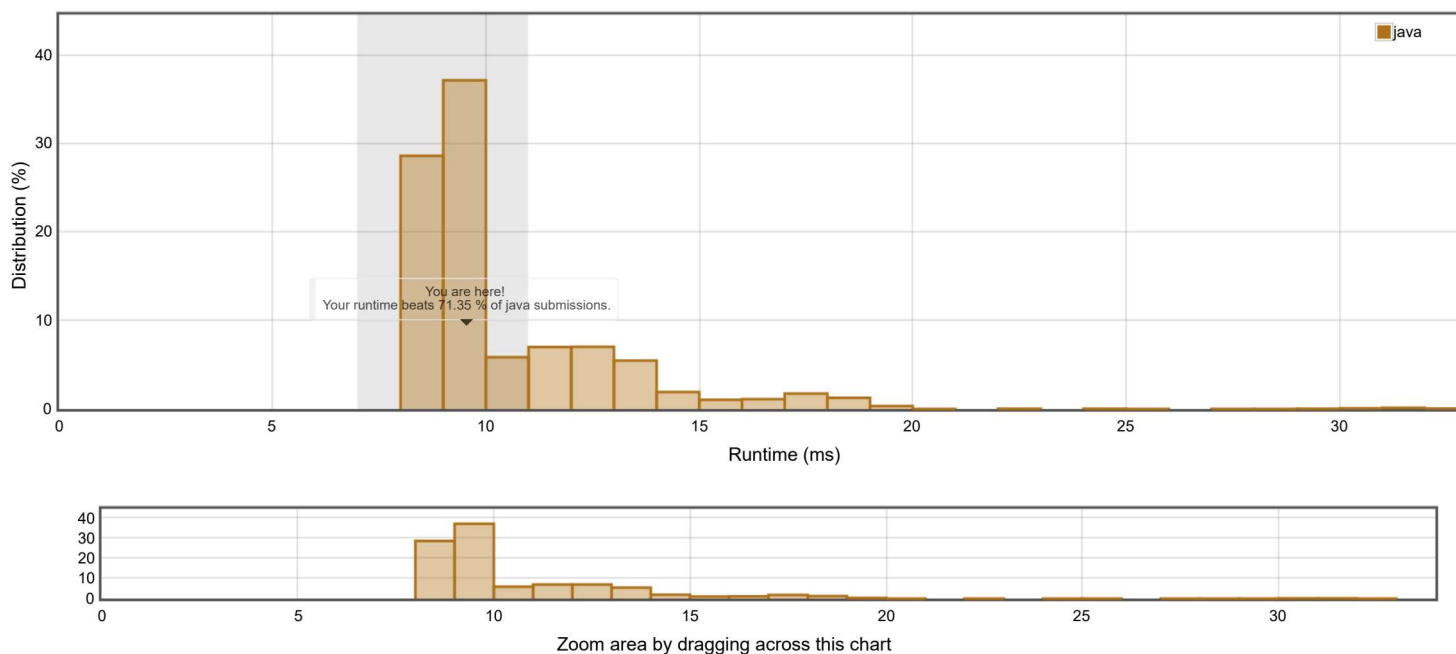
208 / 208 test cases passed.

Runtime: 9 ms

Status: Accepted

Submitted: 1 month, 2 weeks ago

Accepted Solutions Runtime Distribution



Invite friends to challenge Merge Two Sorted Lists

48

Submitted Code: 1 month, 2 weeks ago

Language: java

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```
1 /**
2  * Definition for singly-linked list.
3  * public class ListNode {
4  *     int val;
5  *     ListNode next;
6  *     ListNode(int x) { val = x; }
7  * }
8  */
9 class Solution {
10     public ListNode mergeTwoLists(ListNode l1, ListNode l2) {
11         ListNode first=null;
12         ListNode traveler=null;
13         if(l1 == null){ return l2;}
14         else if(l2==null){return l1;}
15         else{
16             if(l1.val > l2.val){
17                 first= new ListNode(l2.val);
18                 l2=l2.next;
19             }else{
20                 first= new ListNode(l1.val);
21                 l1=l1.next;
22             }
23             traveler=first;
24         }
25         while(l1 !=null || l2!=null){
26             if(l1 == null){
27                 traveler.next = l2;
28                 l2 = l2.next;
29             }else if(l2 == null){
30                 traveler.next = l1;
31                 l1 = l1.next;
32             }else{
33                 if(l1.val < l2.val){
34                     traveler.next = l1;
35                     l1 = l1.next;
36                 }else{
37                     traveler.next = l2;
38                     l2 = l2.next;
39                 }
40                 traveler = traveler.next;
41             }
42         }
43         return first;
44     }
45 }
```

```
30         if(l1 == null){
31             traveler.next= new ListNode(l2.val);
32             l2=l2.next;
33         }
34     }
35     else if(l2 == null){
36         traveler.next= new ListNode(l1.val);
37         l1=l1.next;
38     }
39     }
40     else if(l1.val > l2.val){
41         traveler.next= new ListNode(l2.val);
42         l2=l2.next;
43     }else{
44         traveler.next= new ListNode(l1.val);
45         l1=l1.next;
46     }
47     traveler=traveler.next;
48 }
49
50 traveler.next=null;
51 return first;
52 }
53
54
55
56 }
57 }
```

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