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Test Name:

Mock Test

Ankush

Taken On:

23 Apr 2023 12:54:25 IST

Time Taken:

12 min 4 sec/ 30 min

Invited by: Invited on:

23 Apr 2023 12:54:10 IST

Skills Score:

Tags Score:

Algorithms 100/100

Core CS 100/100

Data Structures 100/100

Linked Lists 100/100

100%

scored in **Mock Test** in 12 min 4 sec on 23 Apr 2023 12:54:25 IST

Recruiter/Team Comments:

No Comments.

Question Description

Time Taken

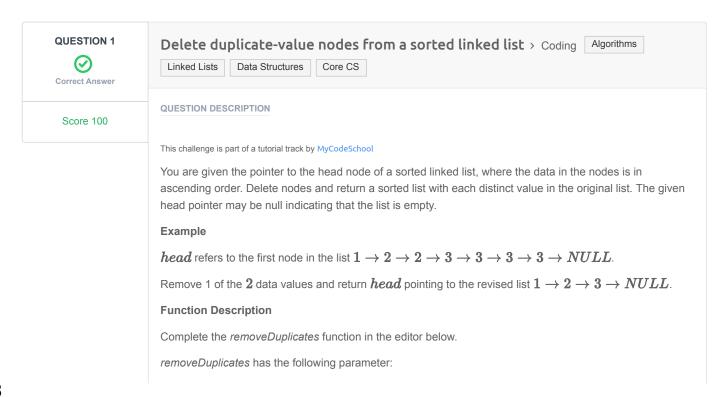
Score

Status

Q1 Delete duplicate-value nodes from a sorted linked list > Coding

10 min 56 sec

100/ 100



• SinglyLinkedListNode pointer head: a reference to the head of the list

Returns

SinglyLinkedListNode pointer: a reference to the head of the revised list

Input Format

The first line contains an integer t, the number of test cases.

The format for each test case is as follows:

The first line contains an integer n, the number of elements in the linked list.

Each of the next n lines contains an integer, the data value for each of the elements of the linked list.

Constraints

- $1 \le t \le 10$
- $1 \le n \le 1000$
- $1 \le list[i] \le 1000$

Sample Input

Sample Output

```
1 2 3 4
```

Explanation

The initial linked list is: 1 o 2 o 2 o 3 o 4 o NULL .

The final linked list is: 1
ightarrow 2
ightarrow 3
ightarrow 4
ightarrow NULL .

CANDIDATE ANSWER

Language used: C

```
2 /*
3 * Complete the 'removeDuplicates' function below.
   * The function is expected to return an INTEGER SINGLY LINKED LIST.
6 * The function accepts INTEGER SINGLY LINKED LIST llist as parameter.
8
9 /*
10 * For your reference:
11 *
* SinglyLinkedListNode {
13 *
       int data;
14 *
         SinglyLinkedListNode* next;
15 * };
   */
19 SinglyLinkedListNode* removeDuplicates(SinglyLinkedListNode* llist) {
```

```
SinglyLinkedListNode *temp = llist ;
    SinglyLinkedListNode *check = 0;
    SinglyLinkedListNode *checktemp = 0;
    while (temp->next !=0 ) {
24
     check = temp->next;
     while (check->data == temp->data&&check) {
         checktemp = check ;
         check = check->next ;
        if (check)
            free(checktemp) ;
             temp->next = check ;
       }
        if (temp->next!=0)
         temp = temp->next ;
     return llist;
36 }
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Sample case	Success	0	0.0195 sec	7.47 KB
Testcase 2	Easy	Sample case	Success	0	0.0463 sec	7.34 KB
Testcase 3	Easy	Hidden case	Success	20	0.0184 sec	7.42 KB
Testcase 4	Easy	Hidden case	Success	20	0.0205 sec	7.46 KB
Testcase 5	Easy	Hidden case	Success	20	0.0243 sec	7.35 KB
Testcase 6	Easy	Hidden case	Success	20	0.0264 sec	7.38 KB
Testcase 7	Easy	Hidden case	Success	20	0.0197 sec	7.54 KB

No Comments

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