



# Delete a Node

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Problem

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This challenge is part of a tutorial track by [MyCodeSchool](#) and is accompanied by a video lesson.

You're given the pointer to the head node of a linked list and the position of a node to delete. Delete the node at the given position and return the head node. A position of 0 indicates head, a position of 1 indicates one node away from the head and so on. The list may become empty after you delete the node.

## Input Format

You have to complete the `Node* Delete(Node* head, int position)` method which takes two arguments - the head of the linked list and the position of the node to delete. You should NOT read any input from stdin/console. `position` will always be at least 0 and less than the number of the elements in the list.

## Output Format

Delete the node at the given position and `return` the head of the updated linked list. Do NOT print anything to stdout/console.

## Sample Input

```
1 --> 2 --> 3 --> NULL, position = 0
1 --> NULL, position = 0
```

## Sample Output

```
2 --> 3 --> NULL
NULL
```

## Explanation

- 0th position is removed, 1 is deleted from the list.
- Again 0th position is deleted and we are left with empty list.

## Video lesson

[f](#) [t](#) [in](#)Submissions: [48374](#)

Max Score: 5

Difficulty: Easy

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Current Buffer (saved locally, editable)

C++



```
1 /*
2  Delete Node at a given position in a linked list
3  Node is defined as
4  struct Node
5  {
```

```
6     int data;
7     struct Node *next;
8 }
9 */
10 Node* Delete(Node *head, int position)
11 {
12     if (position == 0)
13     {
14         head = head->next;
15         return head;
16     }
17     struct Node* answer = head;
18     struct Node* buffer;
19     for (int i = 0; i < position-1; i++)
20         answer = answer->next;
21     buffer = answer->next;
22     answer->next = buffer->next;
23     return head;
24 }
25
```

Line: 1 Col: 1

 [Upload Code as File](#)☐ Test against custom input[Run Code](#)[Submit Code](#)

## Congrats, you solved this challenge!

✓ Test Case #0

✓ Test Case #3

✓ Test Case #6

✓ Test Case #9

✓ Test Case #1

✓ Test Case #4

✓ Test Case #7

✓ Test Case #2

✓ Test Case #5

✓ Test Case #8

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