

Delete a given Node

A node without head pointer is given and also this node cannot be a tail node we need to delete this node.

As no head pointer is given we know that we will not have any prev node address for the given node. So the simple idea is to copy the next node value to the given node and point the given node next to next of next of the node.

```
/**
 * Definition for singly-linked list.
 * struct ListNode {
 *     int val;
 *     ListNode *next;
 *     ListNode(int x) : val(x), next(NULL) {}
 * };
 */
class Solution {
public:
    void deleteNode(ListNode* node) {
        node->val=node->next->val;
        node->next=node->next->next;
    }
};
```

- Time Complexity : $O(1)$
- Space Complexity : $O(1)$