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Programiz C Online Compiler

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main.c   Share   Run

```c
1  #include <stdio.h>
2  #include <stdlib.h>
3
4  struct Node {
5      int data;
6      struct Node* next;
7  };
8
9  void deleteNode(struct Node** head_ref, int position) {
10     if (*head_ref == NULL) return;
11
12     struct Node* temp = *head_ref;
13
14     if (position == 0) {
15         *head_ref = temp->next;
16         free(temp);
17         return;
18     }
19
20     for (int i = 0; temp != NULL && i < position - 1; i++)
21         temp = temp->next;
22
23     if (temp == NULL || temp->next == NULL) return;
24
25     struct Node* next = temp->next->next;
26     free(temp->next);
27     temp->next = next;
28 }
```

Output   Clear

Created Linked List: 5 4 3 2 1
Linked List after deletion at position 2: 5 4 2 1

=== Code Execution Successful ===