Name: Anshul

UID: 22BCS16477

Section/Group: 609(B)

Delete the Middle Node of a Linked List

Code:

```cpp
class Solution {
public:
    ListNode* deleteMiddle(ListNode* head) {
        if (!head || !head->next) return nullptr;
        ListNode *slow = head, *fast = head, *prev = nullptr;
        while (fast && fast->next) {
            prev = slow;
            slow = slow->next;
            fast = fast->next->next;
        }
        prev->next = slow->next;
        delete slow;
        return head;
    }
};
```

Output: