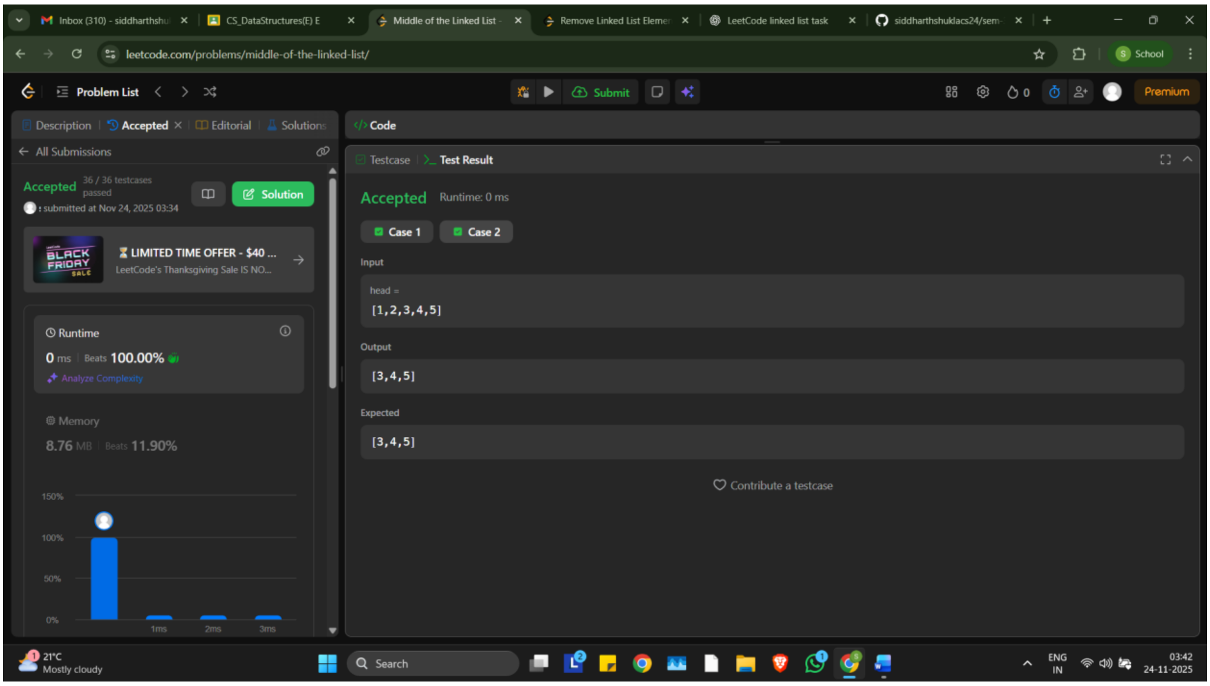
LAB PROGRAM 4B-MIDDLE OF THE LL

```
/**
 * Definition for singly-linked list.
 * struct ListNode {
 *     int val;
 *     struct ListNode *next;
 * };
 */
struct ListNode* middleNode(struct ListNode* head) {
    int count=1;
    struct ListNode* temp=head;
    struct ListNode* middle=head;
    while(temp->next!=NULL)
    {
        temp=temp->next;
        count++;
    }
    int pos;
    if(count%2==0)
    {
         pos=(count/2)+1;
    }
    else
    {
         pos=(count+1)/2;
    }
    for(int i=1;i<=pos-1;i++)
    {
        middle=middle->next;
    }
    return middle;
```

}



Accepted 36 / 36 testcases passed
submitted at Nov 24, 2025 03:34

Runtime
0 ms | Beats 100.00%

Memory
8.76 MB | Beats 11.90%

Accepted Runtime: 0 ms

Case 1 Case 2

Input

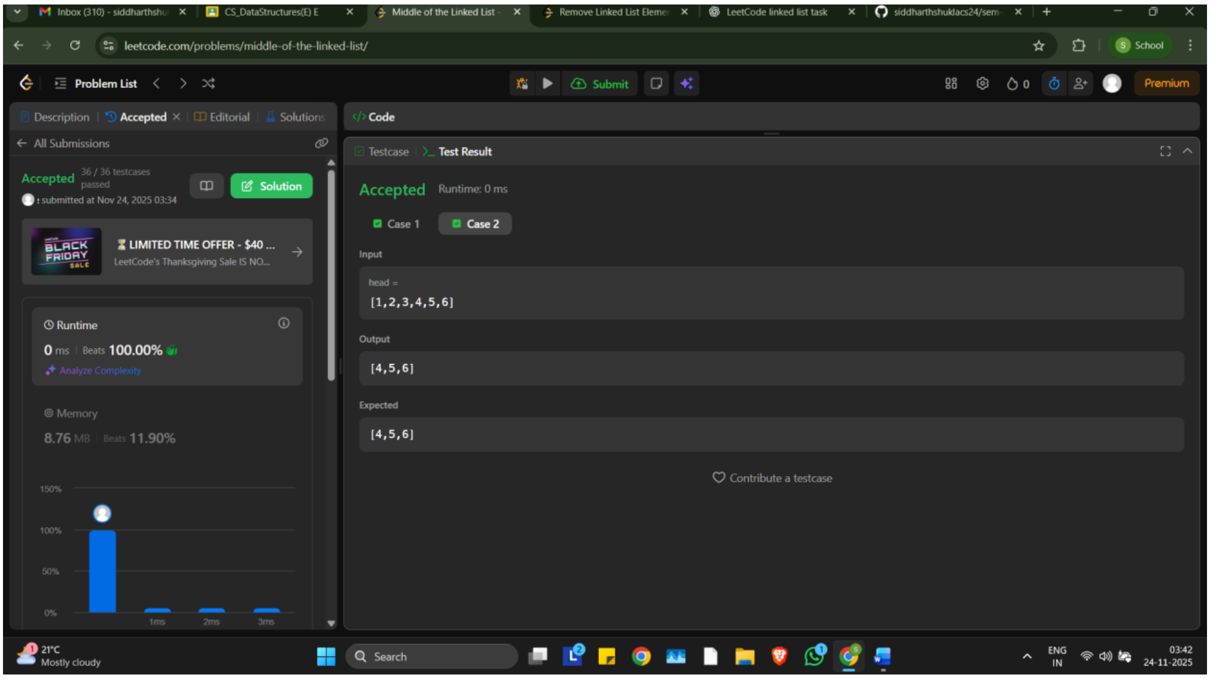
```
head =
[1,2,3,4,5]
```

Output

```
[3,4,5]
```

Expected

```
[3,4,5]
```



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Case 1 Case 2

Input

```
head =
[1,2,3,4,5,6]
```

Output

```
[4,5,6]
```

Expected

```
[4,5,6]
```