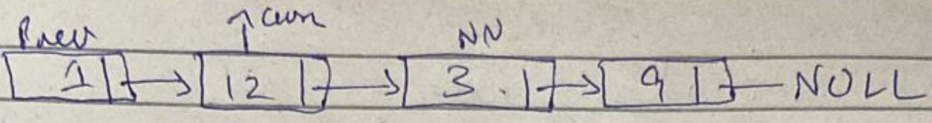
3.25 + 6.5 = 9.75/12

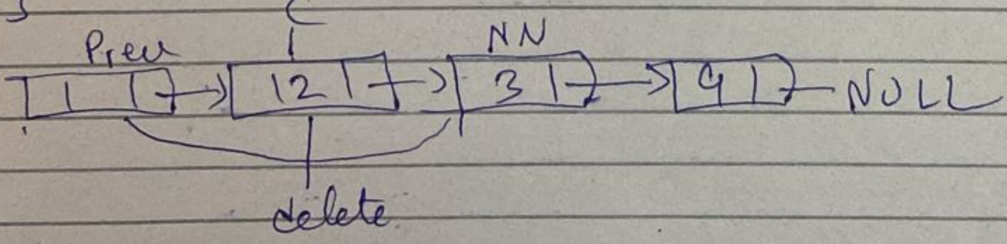
M-Hassan Saboor ~~2~~ 23L-8006



```
~~void deleteNode ( Node * current)~~
~~{~~
~~    Node * previous = NULL;~~
~~    Node * nextNode = NULL;~~

~~   ~~while (current != NULL)~~~~
~~   ~~{~~~~
~~   Node * temp = current;~~

~~    nextNode = current->next;~~
```

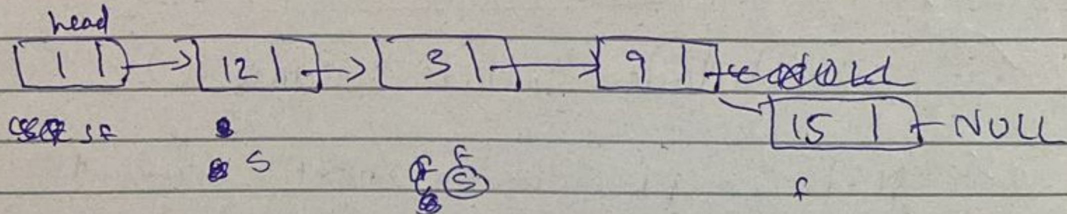
nn = c->N
C-N = pre
Pre = curr
curr = NN
~~P~~ NN = C->N
P->N = C->N

✓0.5
```
void deleteNode ( Node * current)
 {
0.25  Node * previous ->next = current;
1✓ Node * nextNode = current->Next;

    ~~Node delete~~                      3.25
     ~~previous = current~~
0.5 previous->next = current -> next;

1✓ delete current;  Reference to list is lost.

}
```



find & ~~delete~~ Middle element using 1 traversal

```
void findMiddle (Node * head) ✓0.5
 If (head == nullptr) return;
 Node * fast = head; ✓1                              6.5
 Node * slow = head; ✓1
                                    ✓1
while( fast != NULL && fast-> next != NULL)
                           ✓1
  {   slow = slow-> next;
      fast = fast-> next-> next; ✓1
  }
                      ✓1
   cout<< "middle value"<< slow->data;

}
```



output is $\boxed{3}$