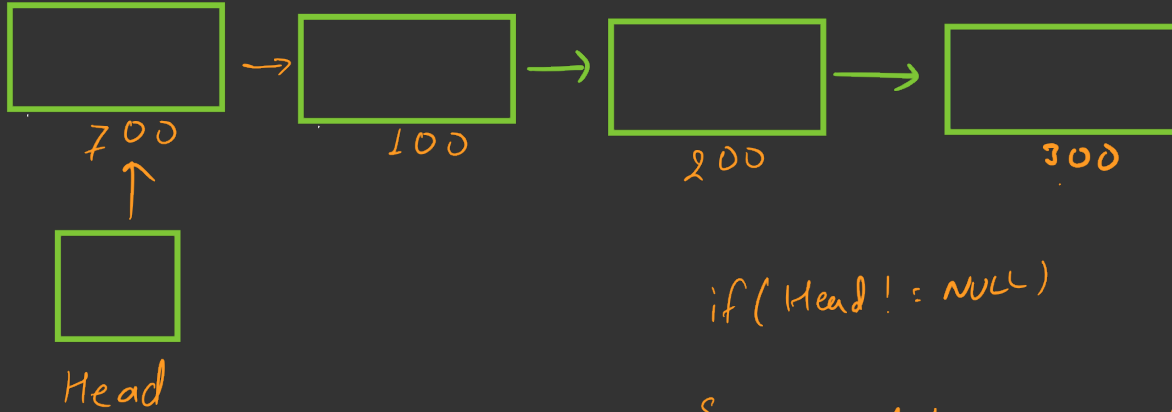


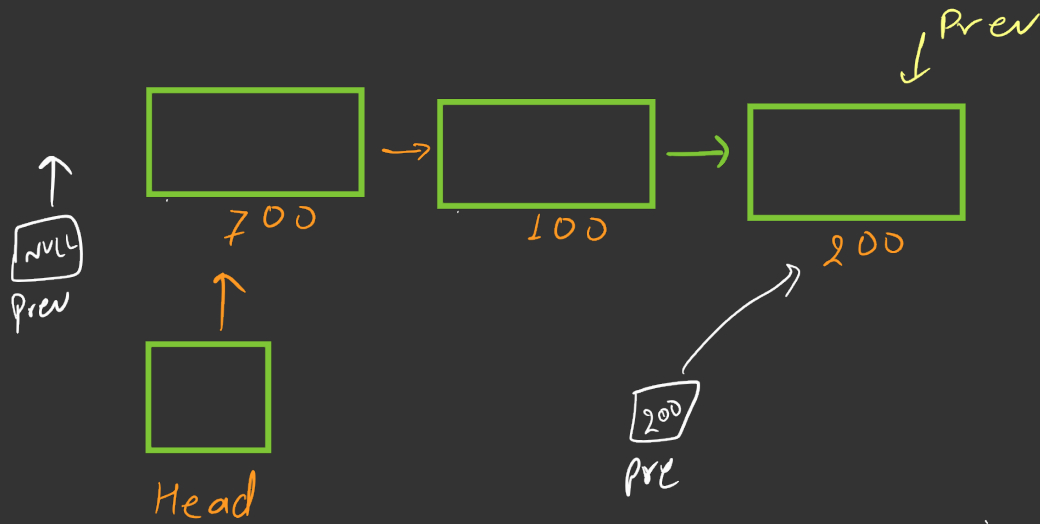
Delete a Node



- ✓ ① Delete first node
- ✓ ② Delete last node
- ✓ ③ Delete a particular node

```
if (Head != NULL)
```

```
{ node * temp = Head;  
  Head = Head -> next;  
  delete temp;  
}
```

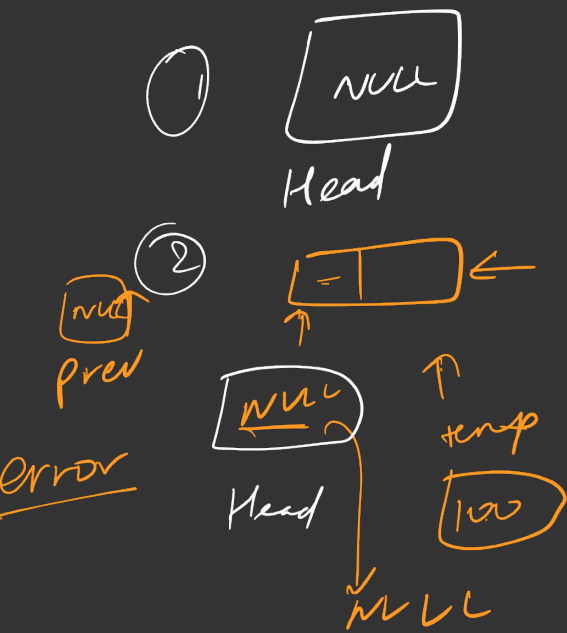


```

if (Head != NULL) {
Node * temp = Head; Node * Prev = NULL
while (temp->next != NULL) {
    Prev = temp; ✓
    temp = temp->next;
}

```

delete temp; Prev->next = NULL;



- ① does n't exist
- ② single node exist
- ③ greater than 1 node

```
if (head != NULL) {  
    if (Head → next == NULL) {
```

```
        Node * temp = head ;
```

```
        head = NULL
```

```
        delete temp;
```

```
    }
```

```
else {
```

```
    Node * temp = Head ; Node * Prev = NULL
```

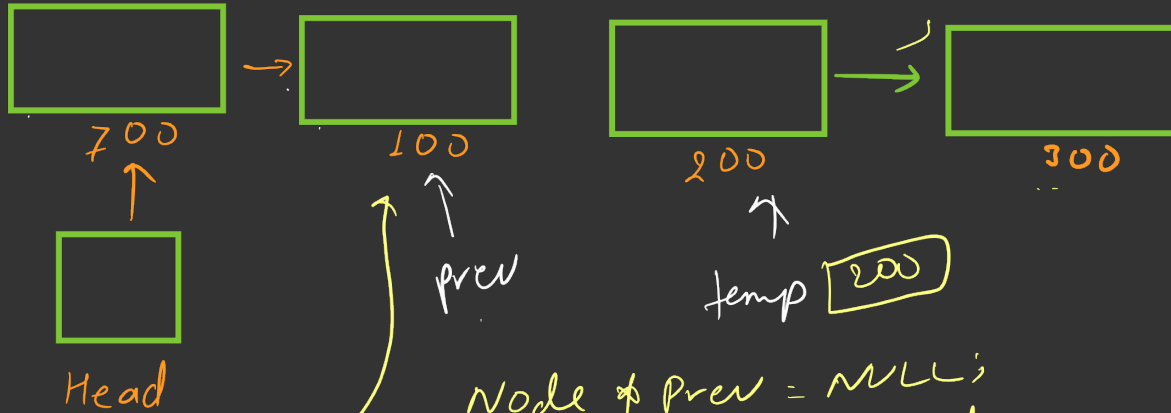
```
    while (temp → next != NULL) {
```

```
        Prev = temp; ✓
```

```
        temp = temp → next;
```

```
    }
```

```
    delete temp; Prev → next = NULL;
```

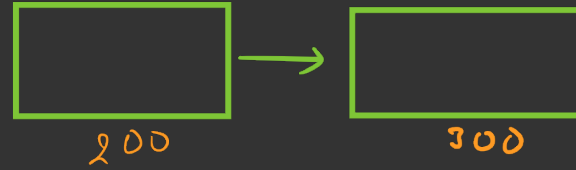
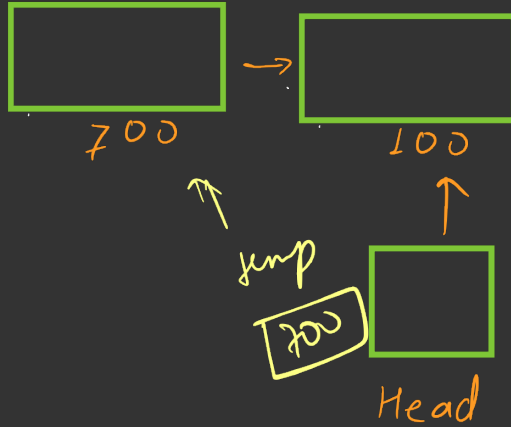


100
prev

$n = 3$
 $skip = n - 1$
 $n \rightarrow x \times 0$

```

Node * prev = NULL;
Node * temp = Head;
x--;
while (x--) {
    prev = temp;
    temp = temp->next;
}
prev->next = temp->next;
delete temp;
}
  
```



```
if (n == 1) {  
    node *temp = Head;  
    Head = Head->next;  
    delete temp;  
}
```

$n = 1$
 $n = 0$

