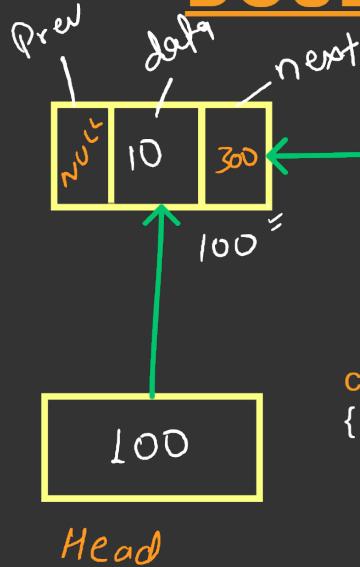
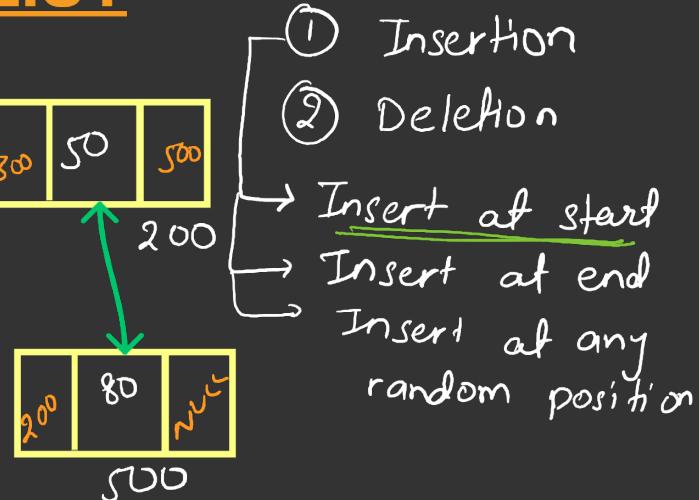


# DOUBLY LINKED LIST



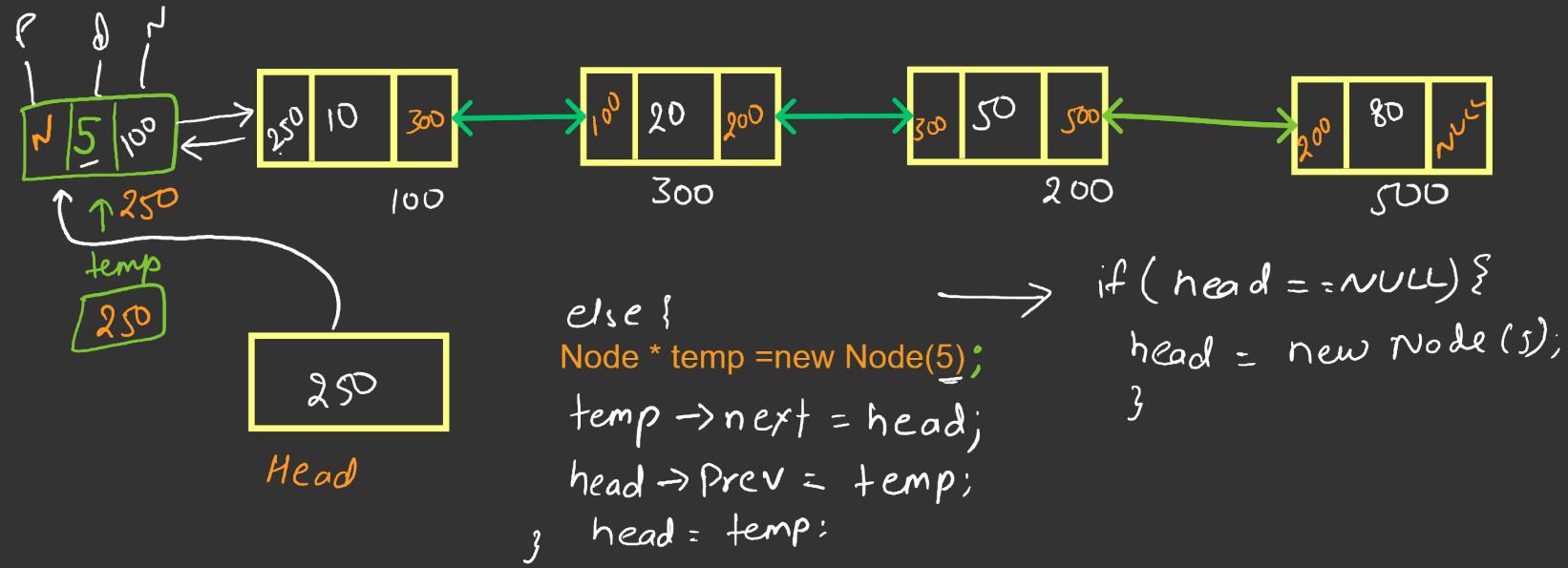
```
class Node  
{  
    Public:  
        int data;  
        Node next;  
        Node Pre;  
};
```

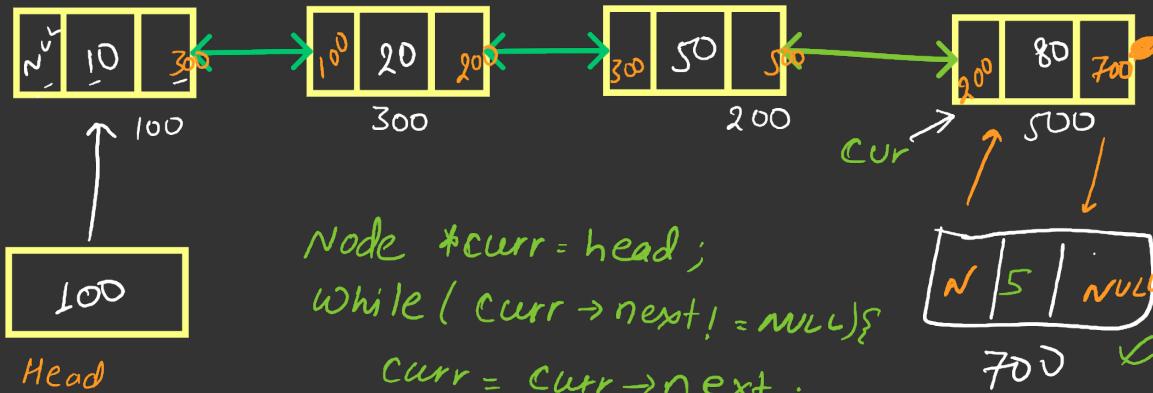


- ① Insertion
  - ② Deletion
- Insert at start
- Insert at end
- Insert at any random position

```
class Node
{
    Public:
        int data;
        Node *Prev;
        Node *Next;
        Node(int value)
        {
            data = value; ✓
            Prev = NULL; ✓
            Next = NULL; ✓
        }
}
```







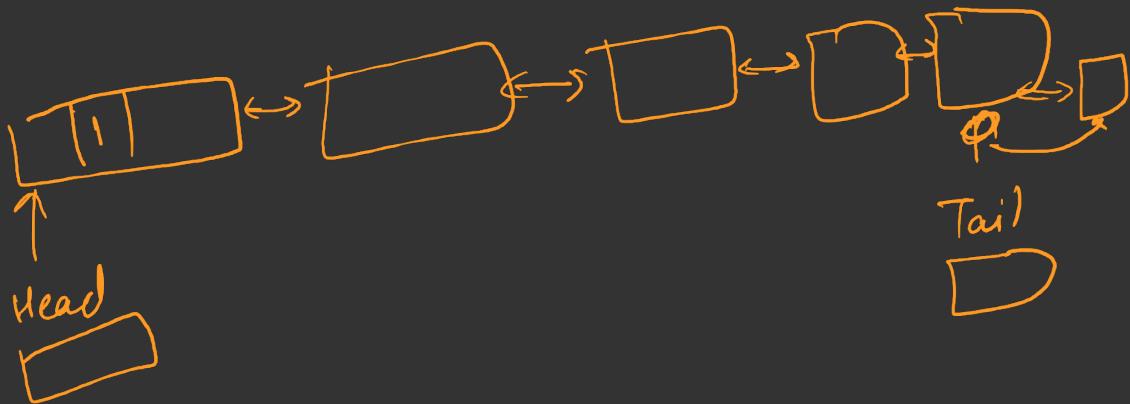
```

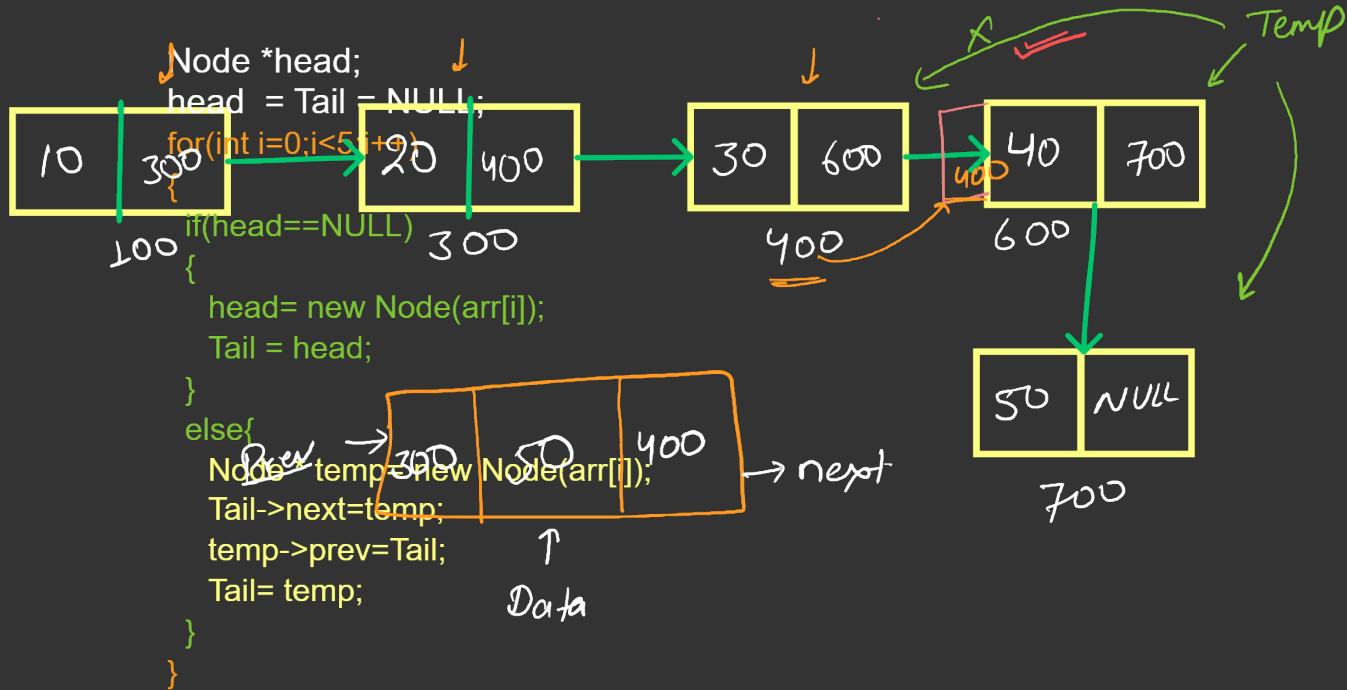
Node *curr = head;
while (curr->next != NULL) {
    curr = curr->next;
}
  
```

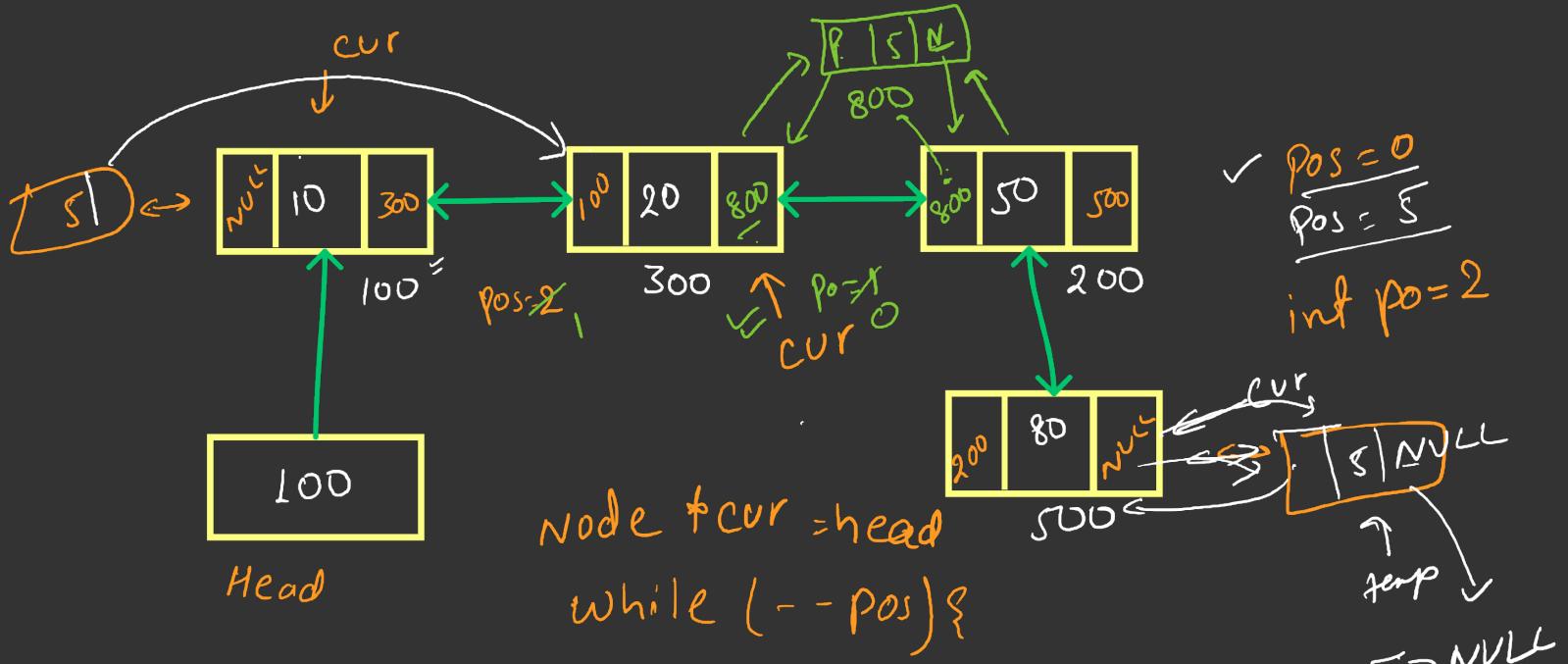
```

Node *temp = new node(s);
curr->next = temp;
temp->prev = curr;
}
  
```

*arr* - [1 | 2 | 3 | 4 | 5]







```

temp->prev = curr;
curr->next = temp;
temp->next->prev = temp;
temp->next = curr->next
    
```

`temp->prev = curr;`  
`curr->next = temp;`  
`temp->next->prev = temp;`  
`temp->next = curr->next`

`Node *temp = new Node(s);`  
`temp->next = curr->next`









