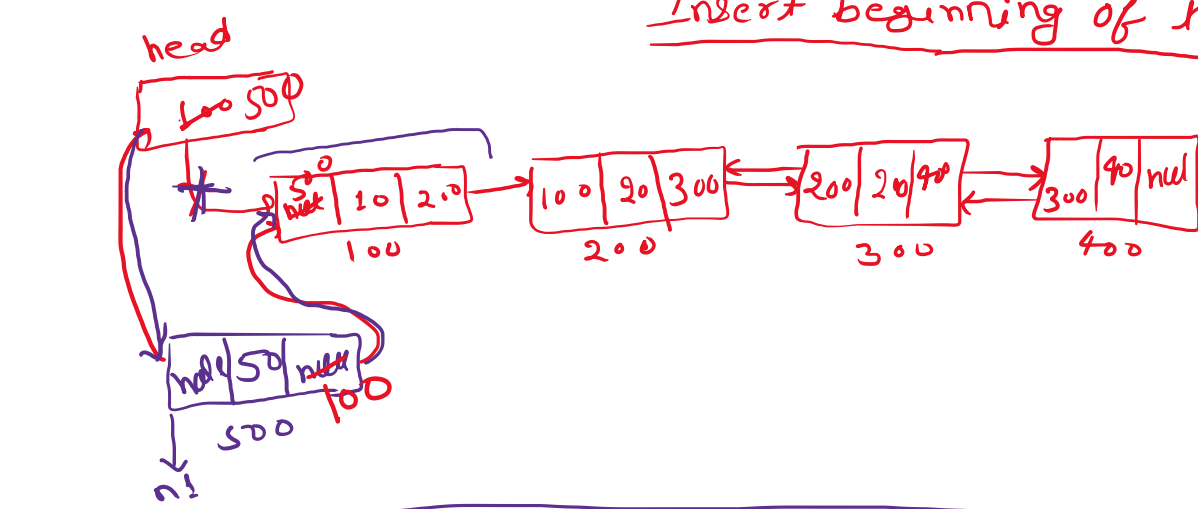
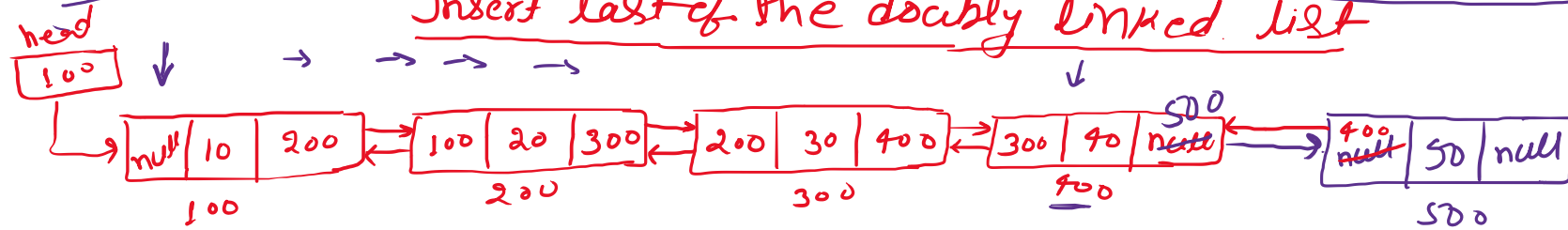


## Insert beginning of the beginning of the doubly list



```
Node n1 = new Node(50);
if (head != null) {
    head.prev = n1;
    new n1.next = head;
    head = n1;
}
```

## Insert last of the doubly linked list



CL = 400 null

~~insertLast~~ (int data) {

Node n1 = new Node(data);

Node current = head;

while (current.next != null) {

current = current.next;

current.next = n1;

n1.prev = current;

}

if (head == null) {

head = n1;

} else {

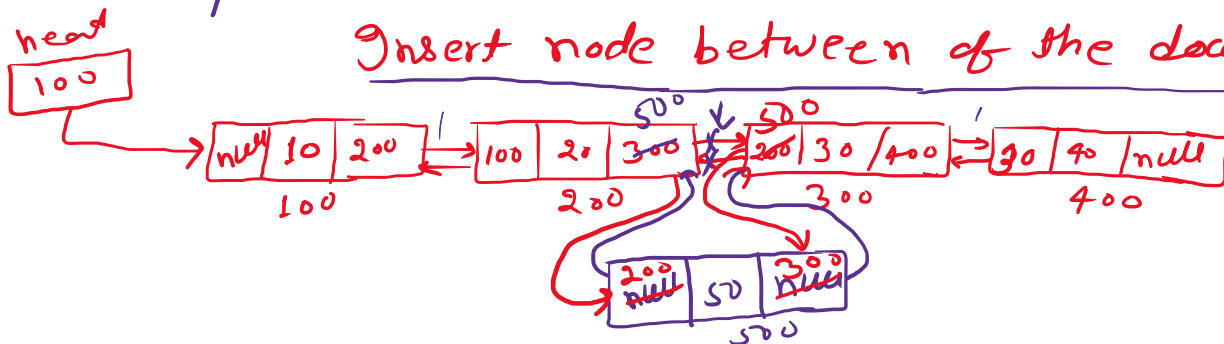
n1 = 500

CL = 400

Current != null

current.next != null

## Insert node between of the doubly list



insert between in singly

insertBetweenOfTheList (int data, int pos) {

Node n1 = new Node(data);

int ctr = 1;

Node current = head;

while (current.next != null) {

if (ctr == pos) {

break;

ctr++;

current = current.next;

n1.next = current.next;

current.next.prev = n1;

n1.prev = current;

current.next = n1;

}

n1.next = current.next;

current.next.prev = n1;

n1.prev = current;

current.next = n1;

ctr = 1

Current = 100 200

Current.next = 300

Current.next.prev = 200

12-07-2023 covered topic

① Insert beginning of the doubly list

② Insert last of the doubly list

③ Insert between of the doubly list

tomorrow topic (13-07-2023)

① Delete beginning of the doubly list

② Delete last of the doubly list

③ Delete between of the doubly list