

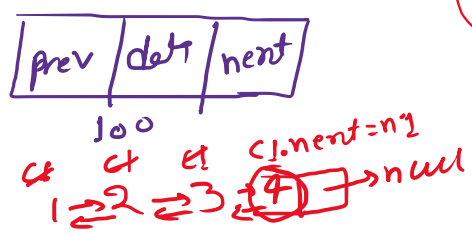
Class DoublyLinkedList

Node head;

```

class Node {
    int data;
    Node next;
    Node prev;
    Node(int data) {
        this.data = data;
    }
}

```



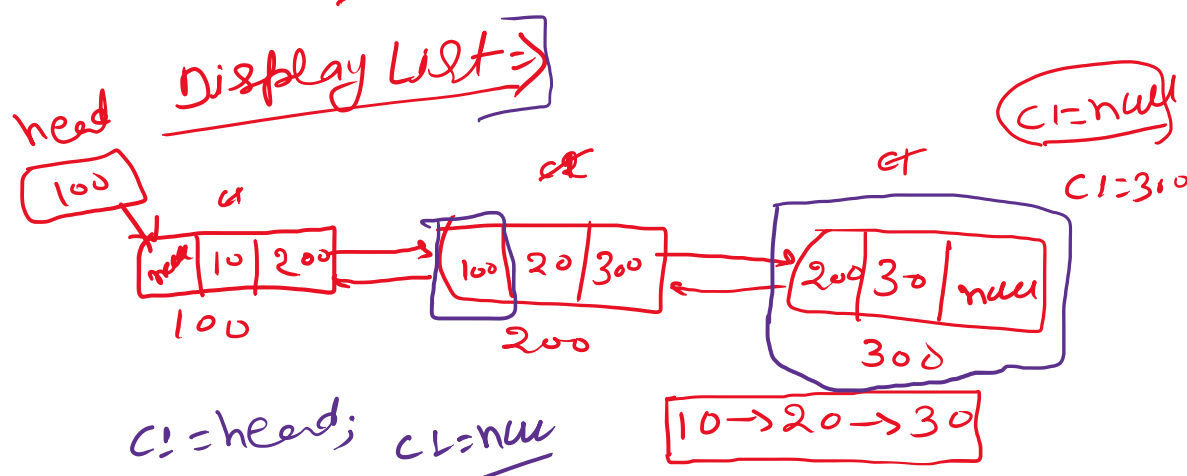
Created doubly list of int data

```

Node n1 = new Node(data);
if (head == null) {
    head = n1;
} else {
    Node c1 = head;
    while (c1.next != null) {
        c1 = c1.next;
    }
    c1.next = n1;
    n1.prev = c1;
}

```

① c1.next != null  
② c1 != null



Single list value diff

```

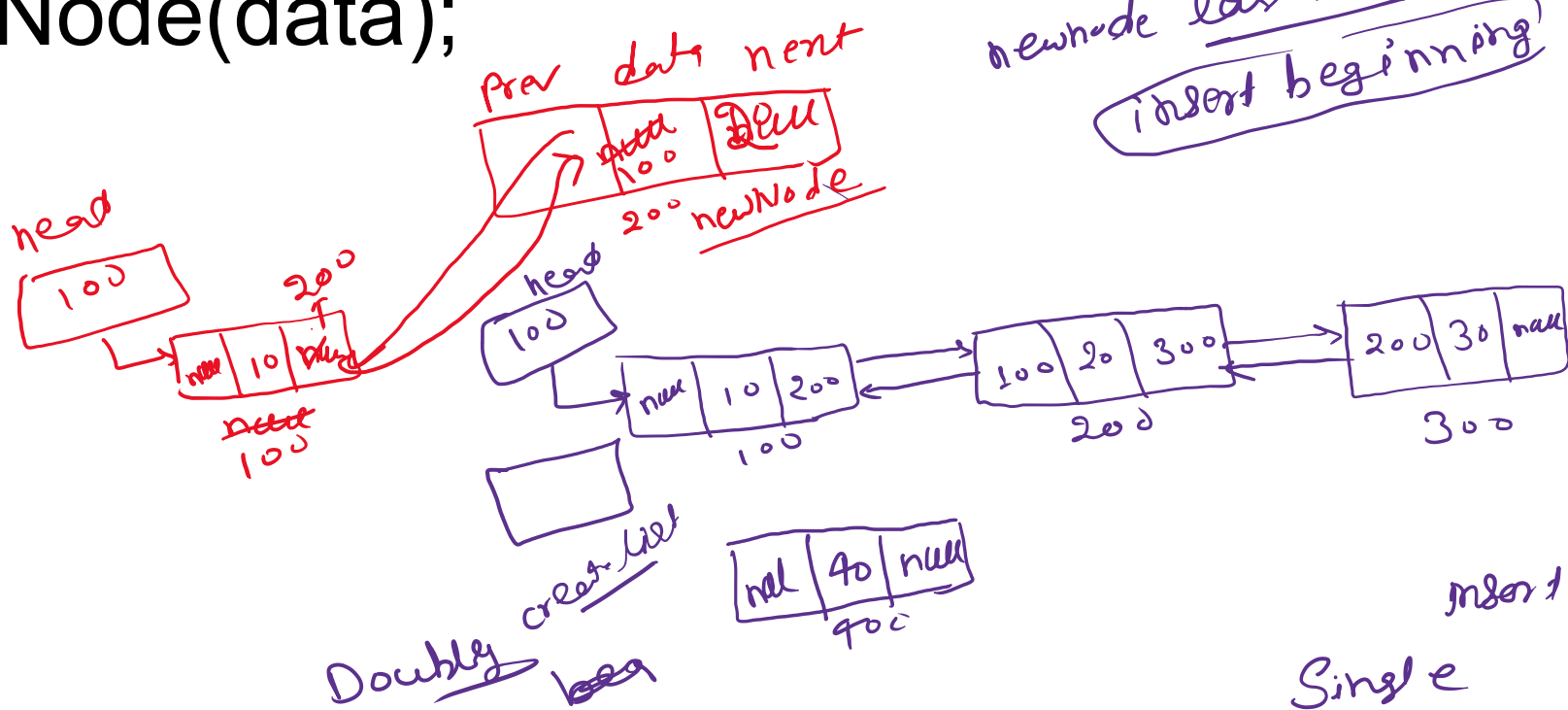
Node c1 = head;
while (c1 != null) {
    Sop(c1.data + " ");
    c1 = c1.next;
}

```

Same code for doubly list

Node newNode = new Node(data);

newnode last.next  
insert beginning



```

Node current = head;
while (current.next != null) {
    current = current.next;
}
current.next = newNode;
newNode.prev = current;

```

```

Node newNode = new Node(data);
Node current = head;
while (current.next != null) {
    current = current.next;
}
current.next = newNode;

```

11-07-2023

- How to create Doubly linked list
- How to display Doubly linked list
- Insert node in the last.

12-07-2023 (task)

- create doubly list and display.
- insert beginning
- insert last
- insert between