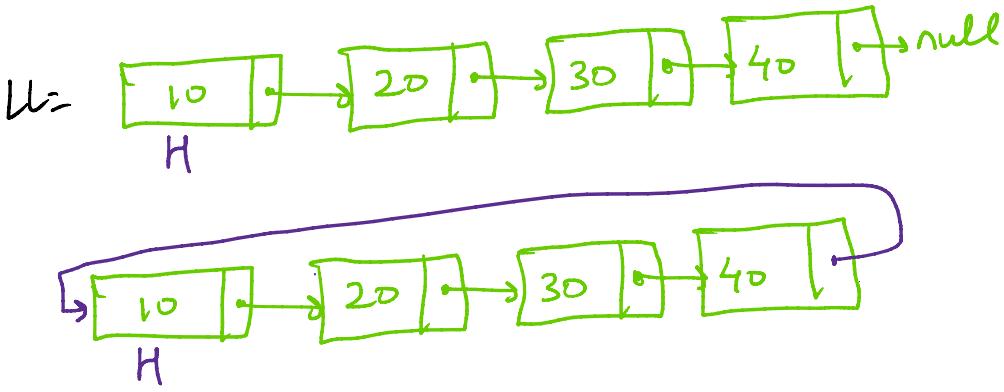
10th March

10 March 2022 21:09

Circular Linked List :-



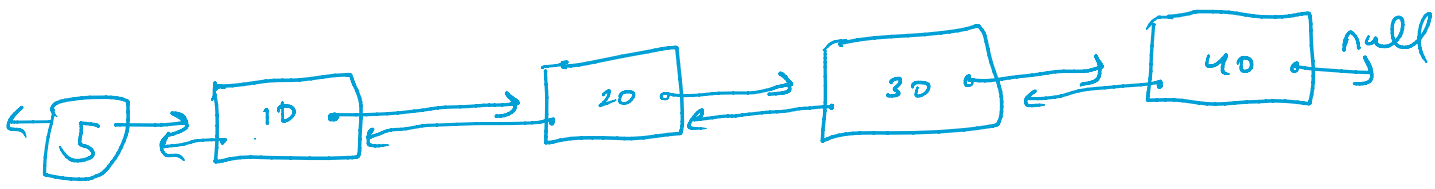
Insertion :- T (=) O(N)

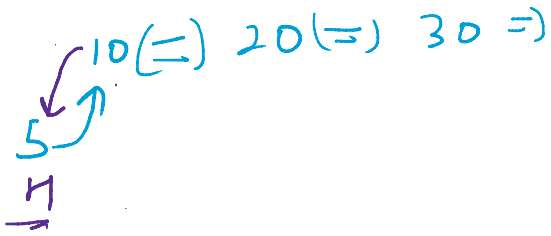
k=50

10 → 20 → 30 → 40

```
while (temp.next != head){
    ___
    ___
    ___
}
temp.next = newNode;
newNode.next = head.
```

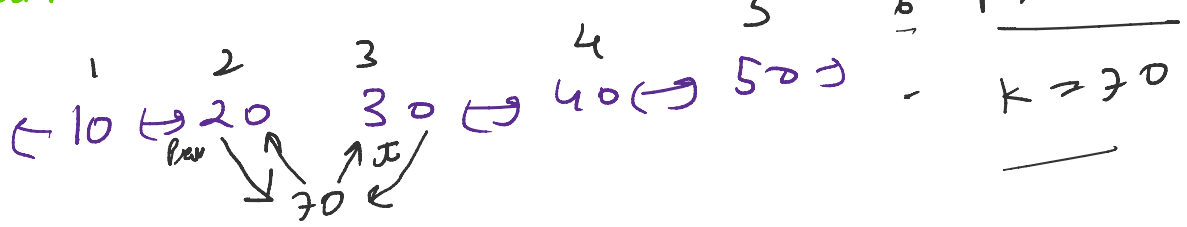
Doubly Linked List :-





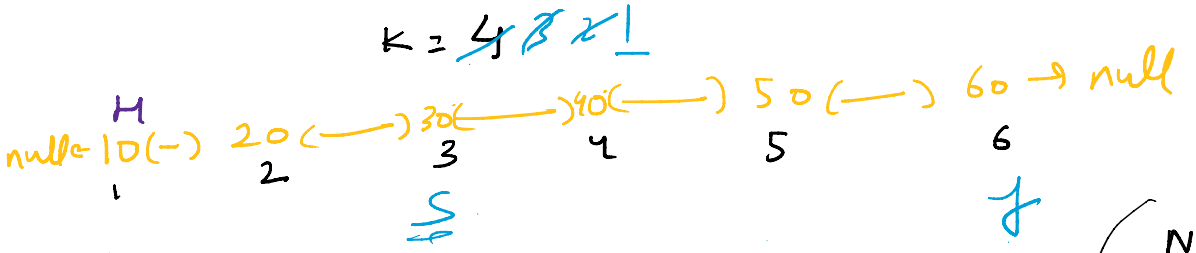

```java
public Node insertFirst(int k) {
    Node node = new Node(k);
    node.next = head;
    if (head != null) {
        head.prev = node;
    }
    head = node;
    this.size++;
    return head;
}
```

InsertAt in DLL :-



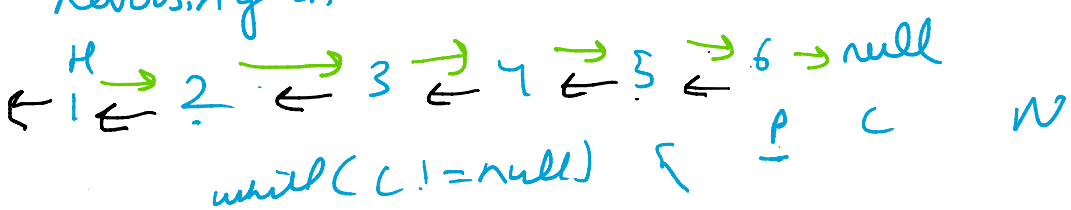

```java
Node prev = temp.prev;
node.next = temp;
node.prev = temp.prev;
prev.next = node;
temp.prev = node;
return head;
```

Deletion in DLL :- kth from the end



while (k > 1)

Reversing in DLL :-



while (C != null)

N = C.next

C.Next = P

C.prev = N

$P = C$

$C = N$

?