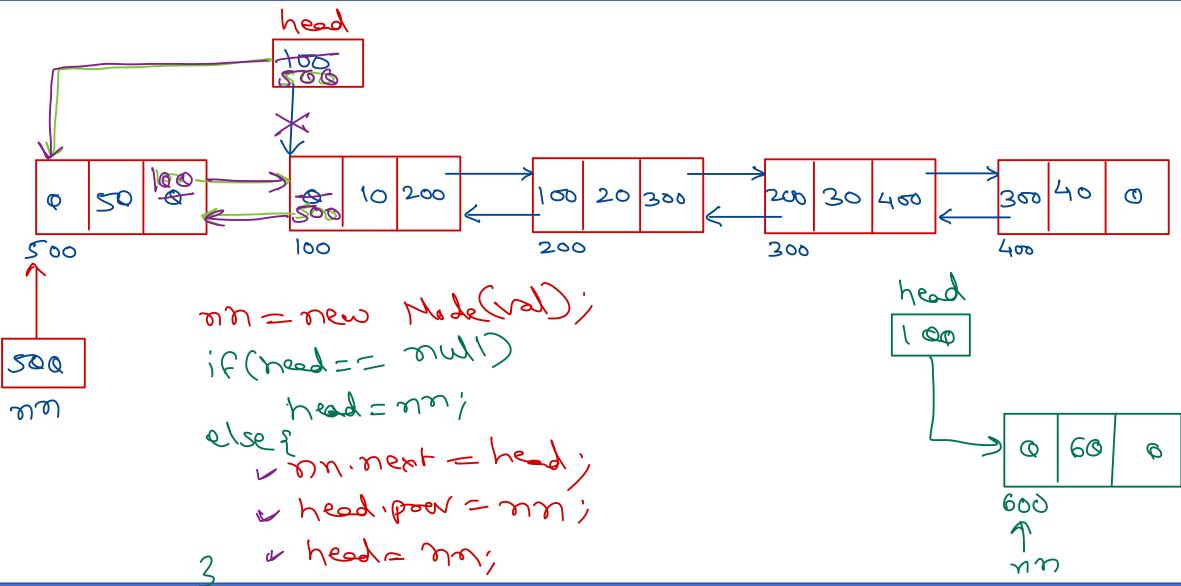


Data Structure & Algorithms

Nilesh Ghule

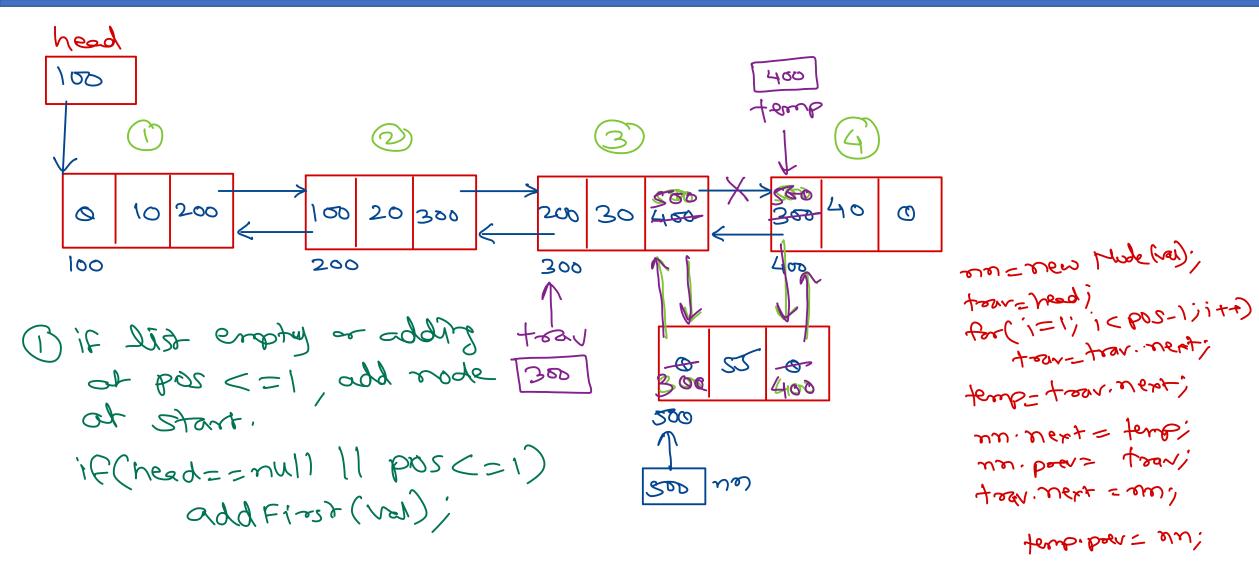


Doubly Linear Linked List - add FI-57 ()



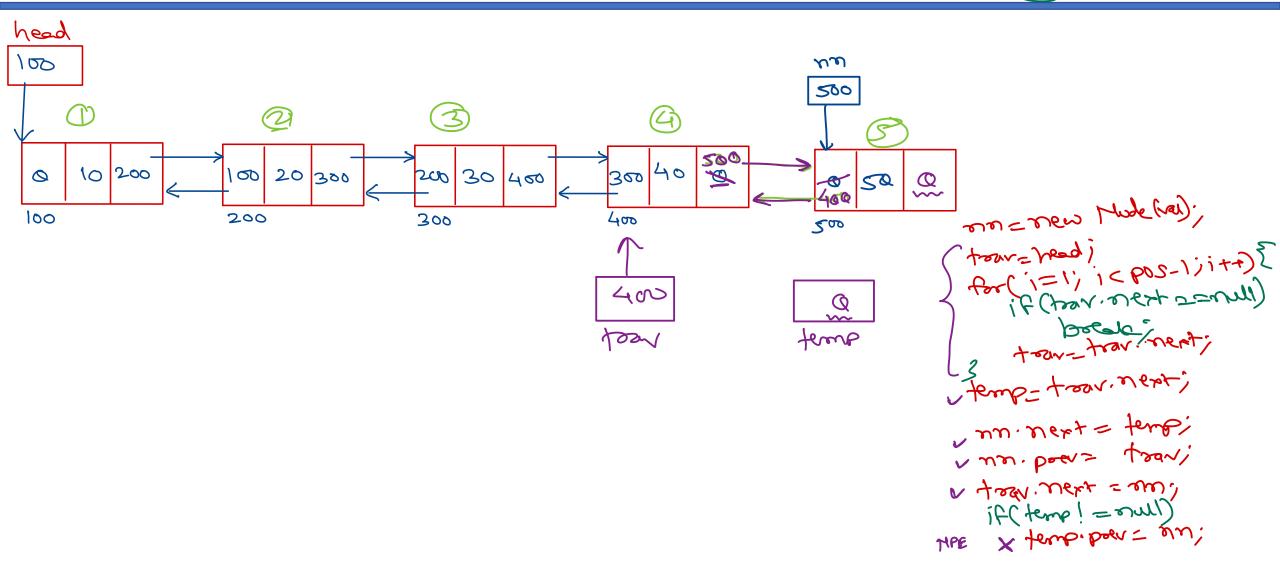


Doubly Linear Linked List - add A+Pos()



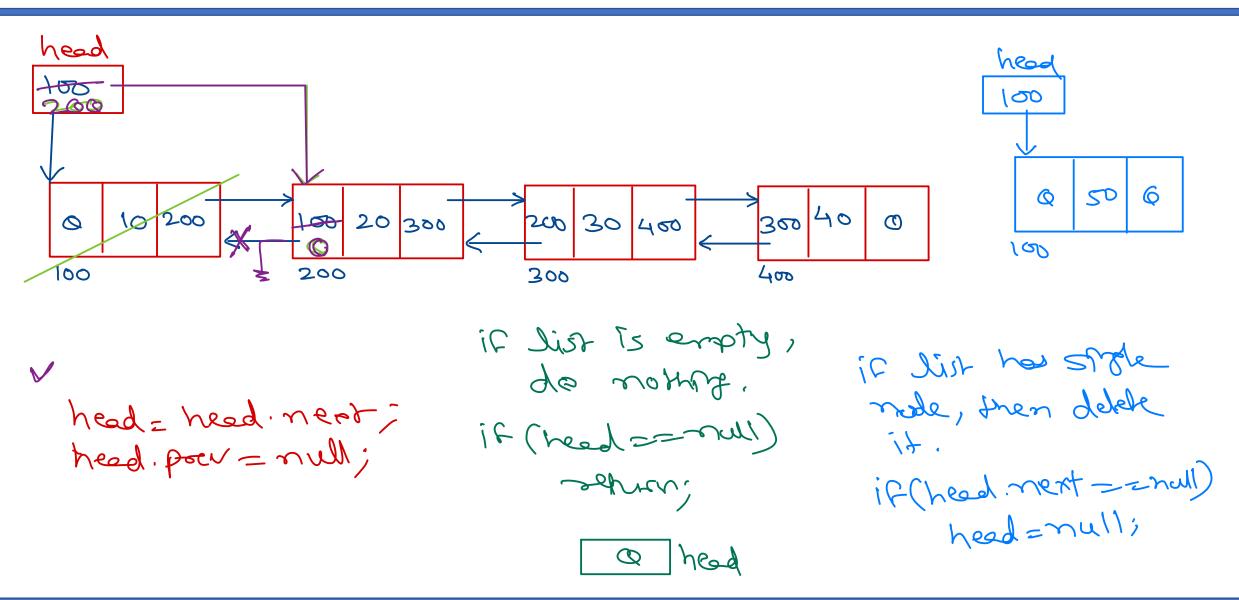


Doubly Linear Linked List - add Atpa() - Special case = last po.



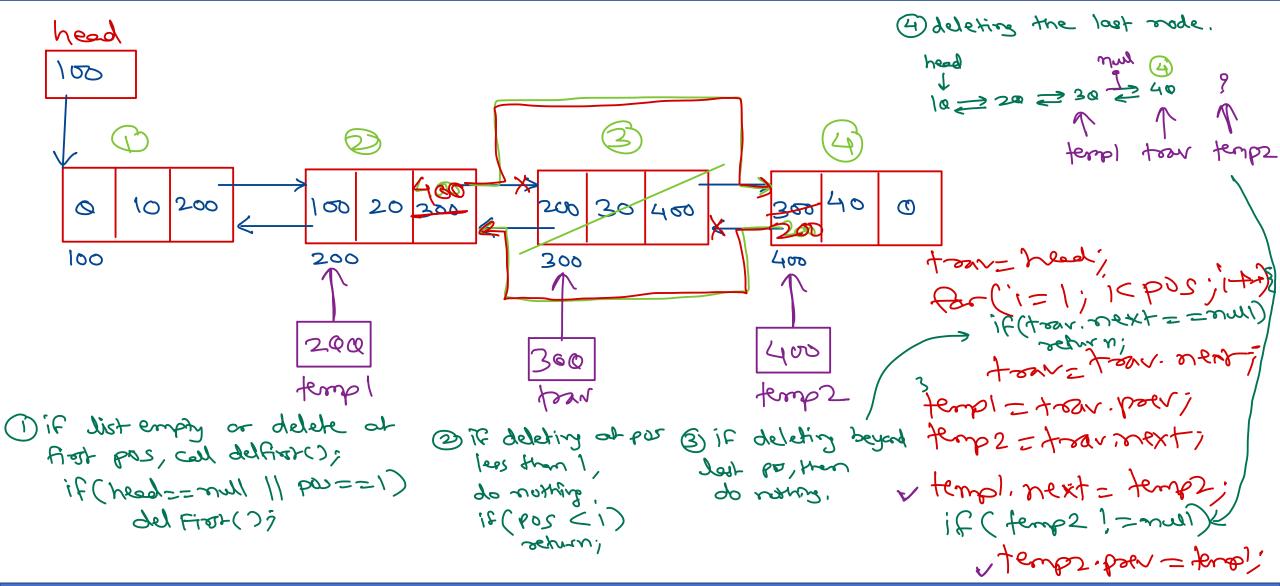


Doubly Linear Linked List — del Prost)



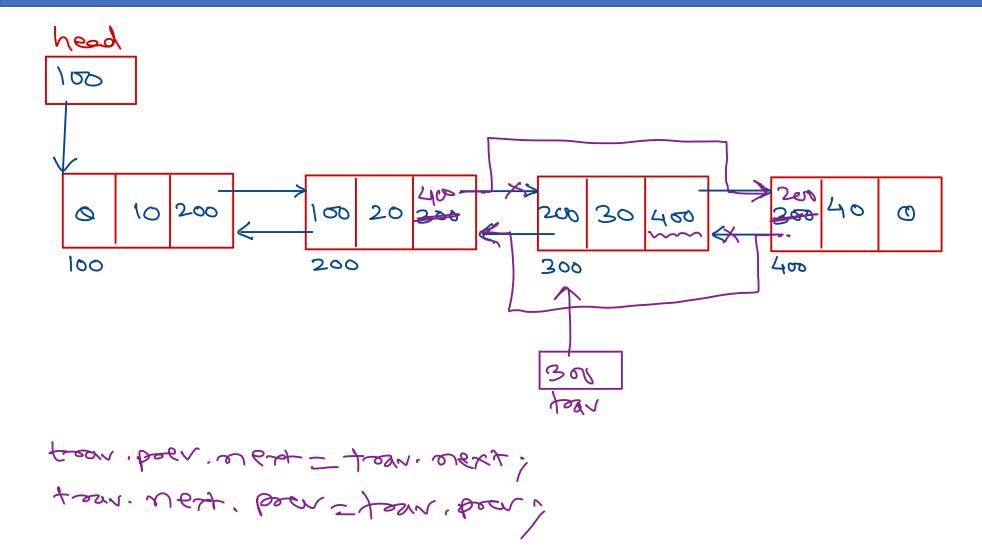


Doubly Linear Linked List - ANATOC)



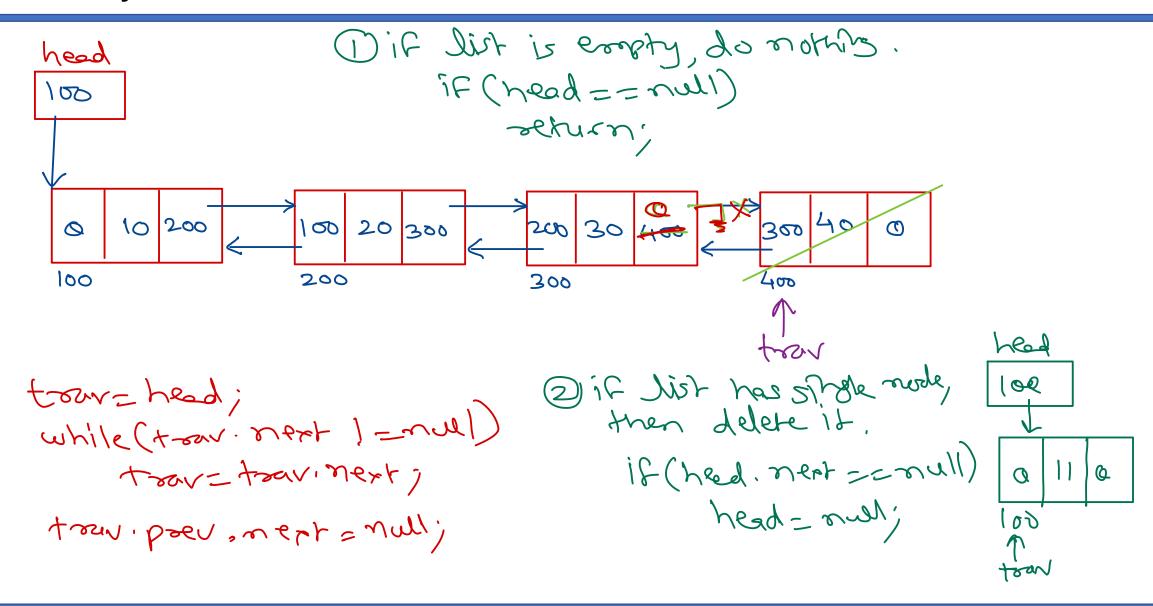


Doubly Linear Linked List - del At Pos ()



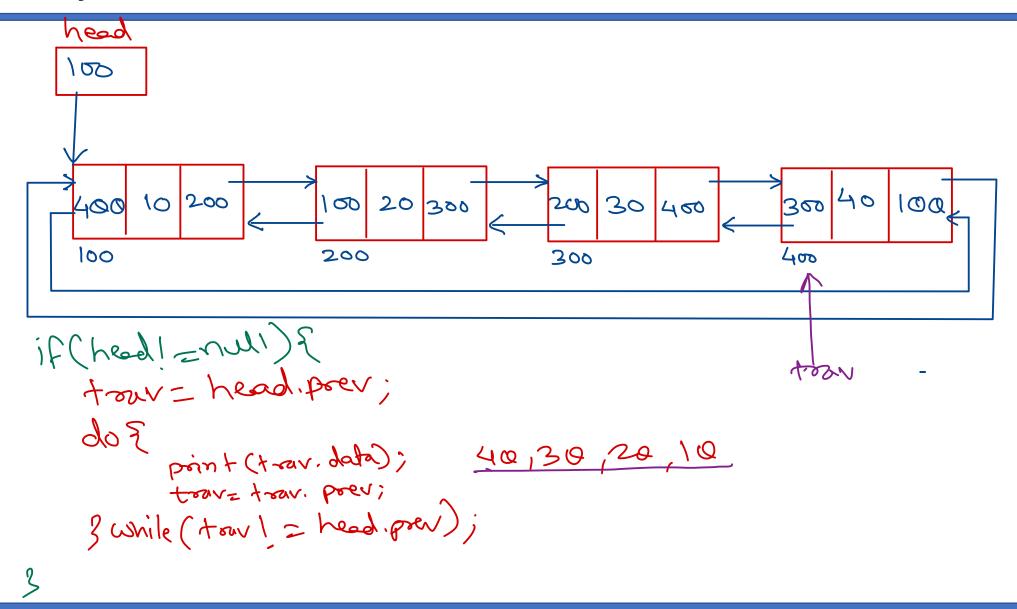


Doubly Linear Linked List - del Lost ()



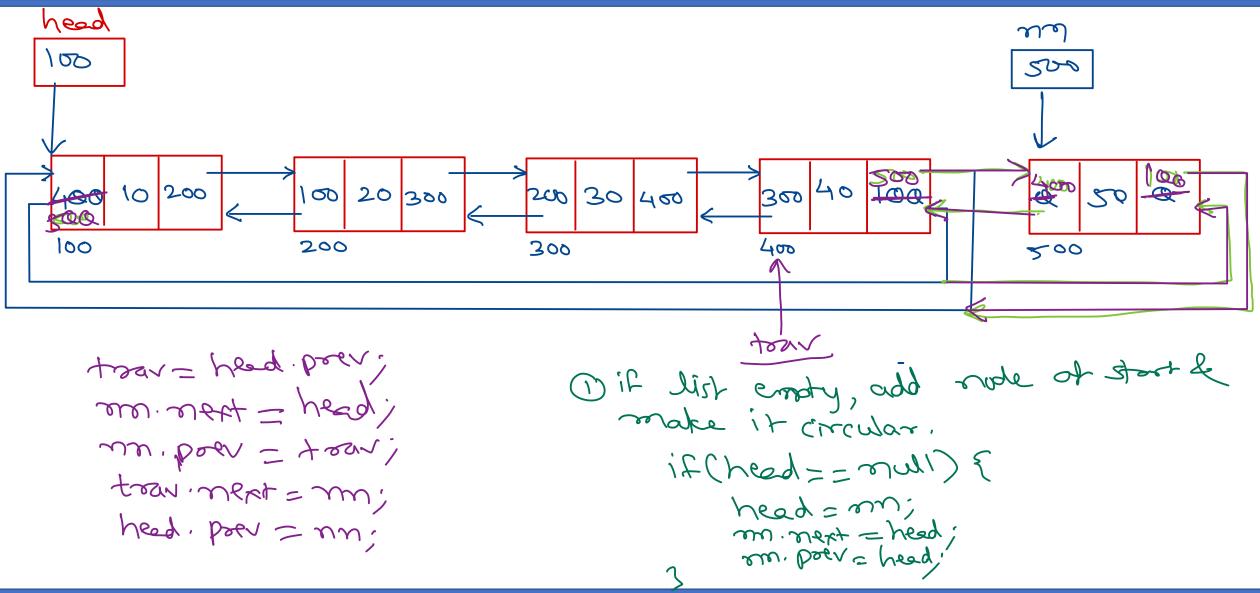


Doubly Circular Linked List - Display Rev()



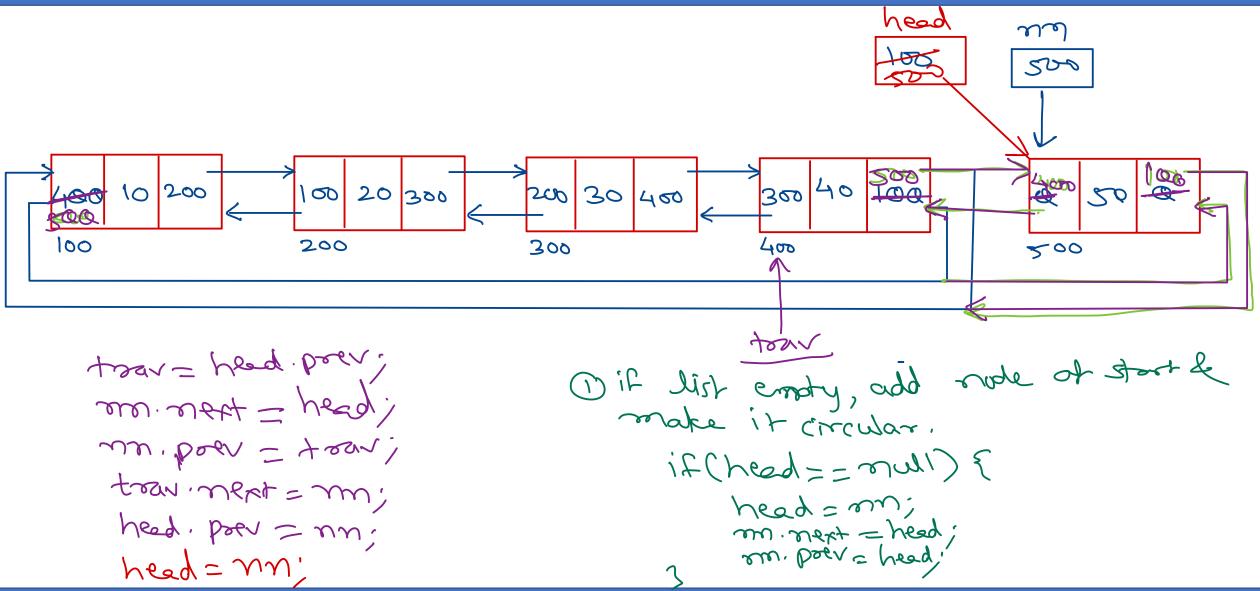


Doubly Circular Linked List - add Last ()





Doubly Circular Linked List — Add Frost ()





Linked List - Competitive programming -selection sort

• Sort the singly linked list.

head
$$\downarrow$$

$$44 \longrightarrow 22 \longrightarrow 55 \longrightarrow 11 \longrightarrow 33 \boxed{\underline{}}$$

Mode i, j; for (i = head; i] = null ; i=i.on Pot) & for (j = i.ment;)! = mull j]=j.ment) { if (i.data > j.data) { mt t= i.data; i data = j data ; j. data = +;



Linked List - Competitive programming

• Sort the singly linked list.

class Emp ?

intid;

String rame;

double sal;

Cloud List {

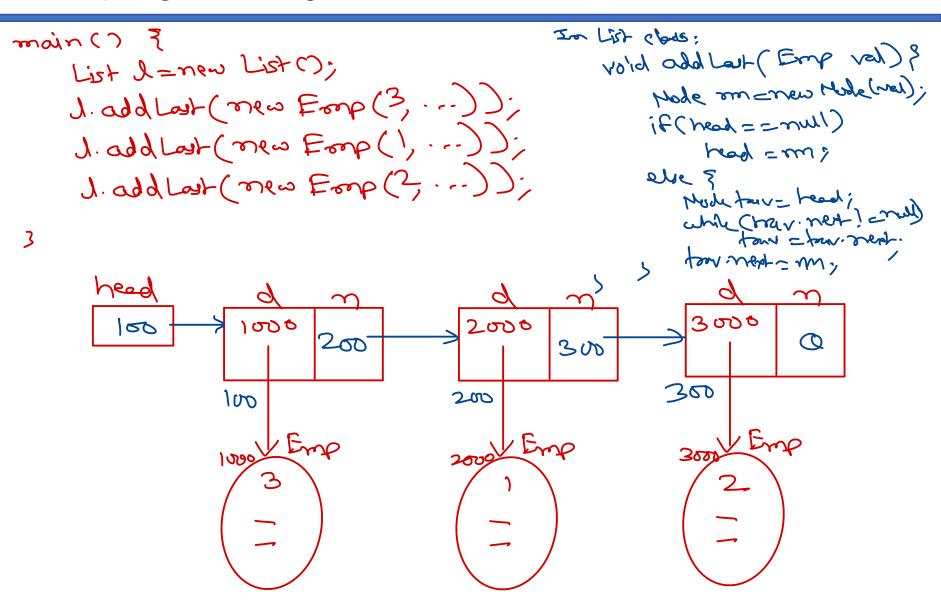
Static Class Node {

Emp data;

Node next;

S

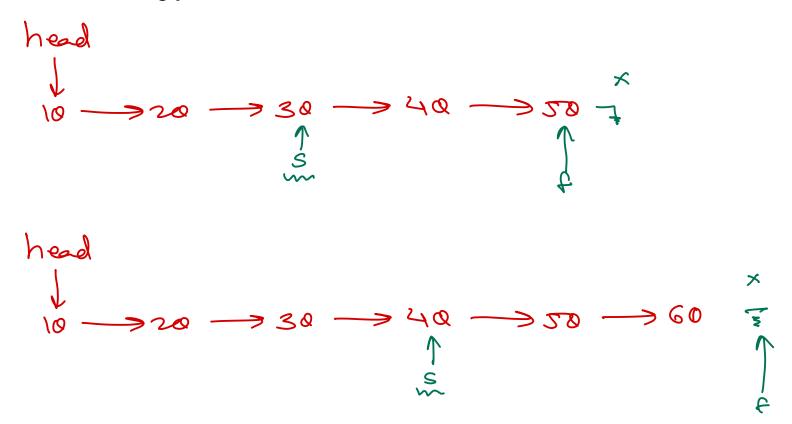
private Node head;





Linked List – Competitive programming

Find middle of singly linear linked list.







Thank you!

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