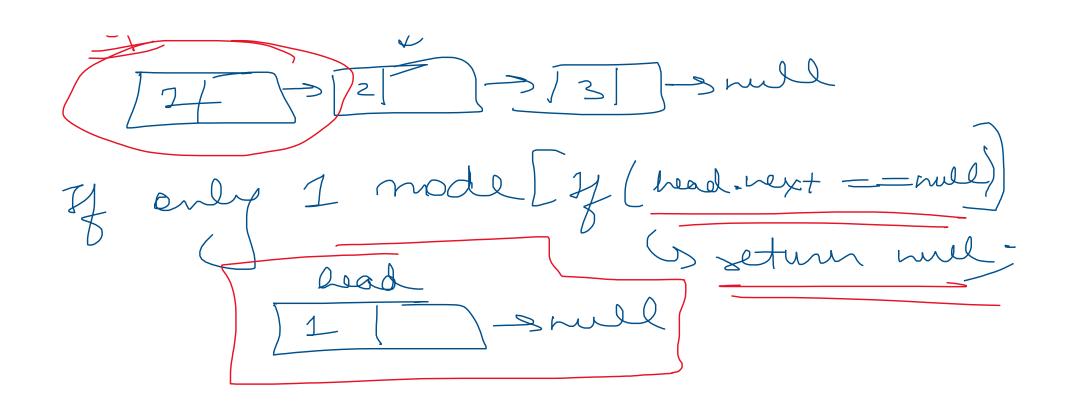
Linked Lists, July - 20
20 July 2020 18:47
Insertion at nth position  Delete a LL  Delete a node from beginning of a LL  Delete a node from the end of a LL  Delete a node from the nth position of a LL  Find the middle element of a LL  Reverse a Linked List
3 Inadition at who position
head we have
Enset At Pas ( ) 3)
what we want
[1] > [2] > [4] > [3] > end
Steps Jeng Jeng
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

m-2 Jamps tempo next - new Node. Steps: · 1. Add newNode 2. Create temp = head; 3. Take n-2 Jumps 4. newNode.next = temp.next; Insert At Position 1 newNode; Hardly Leparately case: newholl boal

(1) new Node . next = head;

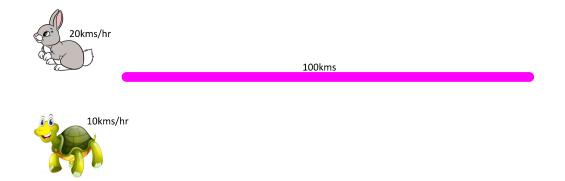
Delite a L Garloge )-)21 head = nul Node at Beginning what we have 13) 2 head = head - next



Print the Middle Element of a LL (Second in Case of even elements)

## Total Steps > 3m

Print the Middle Element of a LL (Second in Case of even elements) - Method 2



1->2->3->4->5->null

Fptr takes 2 jumps at a time. Sptr takes 1 jump at a time.

1->2-3->4->5-

Stop valer (tota next = = mill)

Stop when ( fpts == mull) 1->2->3(>4-)5->6->null