

C R U D. O Read head \rightarrow always need it lose it XLogic: start from head | 90 to next as long as you are not null. head war & 3 I mil Template. traverse (head): cun = head while (cun!= null): point (cum. data) cum = cum. next 1. count the no. of hodes -> length of LL. Read: 2. search for a node (h) min node & MGX node a. Creak. stream of data (one number at a time) insert (head, new-dala): { Node new_node = new Node (data) hea) - (3-(2)] N legth // list is empty head - 3-2-(3)-7 if head == mll: head = new_node even/odd nodes TC rehon head: -0-0-0-07 Node cum = head even: while curr. next != null: cum = cum.next 099; ___ Cum.next = new_node if cum. data is even? insert (even, cum·dala) else: insert (odd, curr.dak)

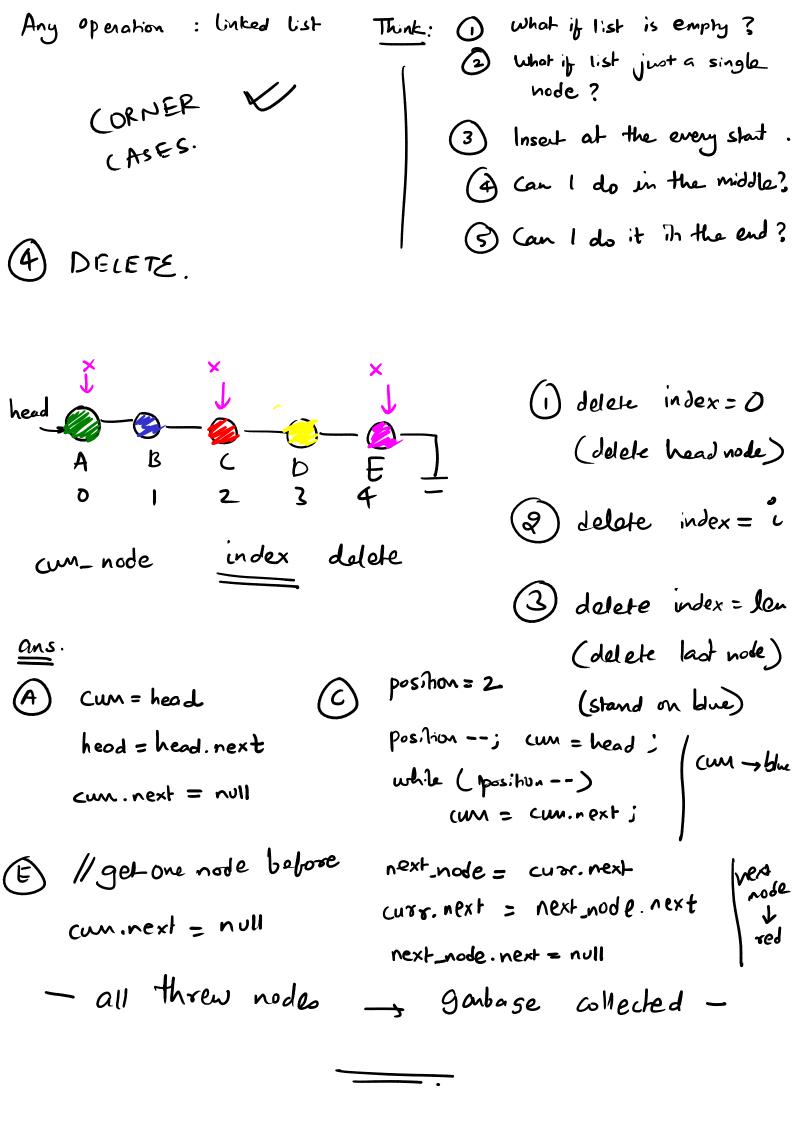
3 Updole. 1 deletion + linsulin Update = updake (head, 3, 5) 3 -> wode | update to 5. In the same node, curridate = 5. 1. search for 3. # priorly to 1st occurrence in case of dups. Insert a hode in between. in u, you need to be on # Thumb rule: Whatever change prenous node. head of head of of of 2 → 0 - - O - O dhange 9 position: on which you new work should sit. insert (head, data, position): new-node = new Node (data) position: this is the node on if ! (position < 0 and > ler): return (a) which you stand, head - (2) - 3(2) - 3(4) 7 if position == 0: new_node.next = head head = new_hode

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Cun = head; position --; hea) 10 (3) -(4) -[

New = 1)

Note: 1 (while (position - -): cum = cuor. next new mode . next = currenext curr. next = new_node



Else: 10 loops in LL

2 Intersections in LL

3 Souling of LL

4 Reversal of LL

= End qu.