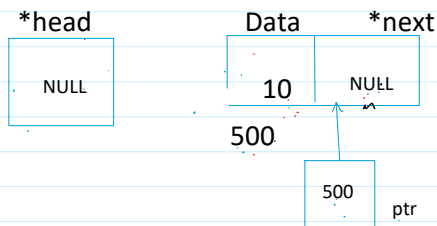


SLL - Add at specific position

27 October 2023 16:36

-2 (-5) = add at 1st position

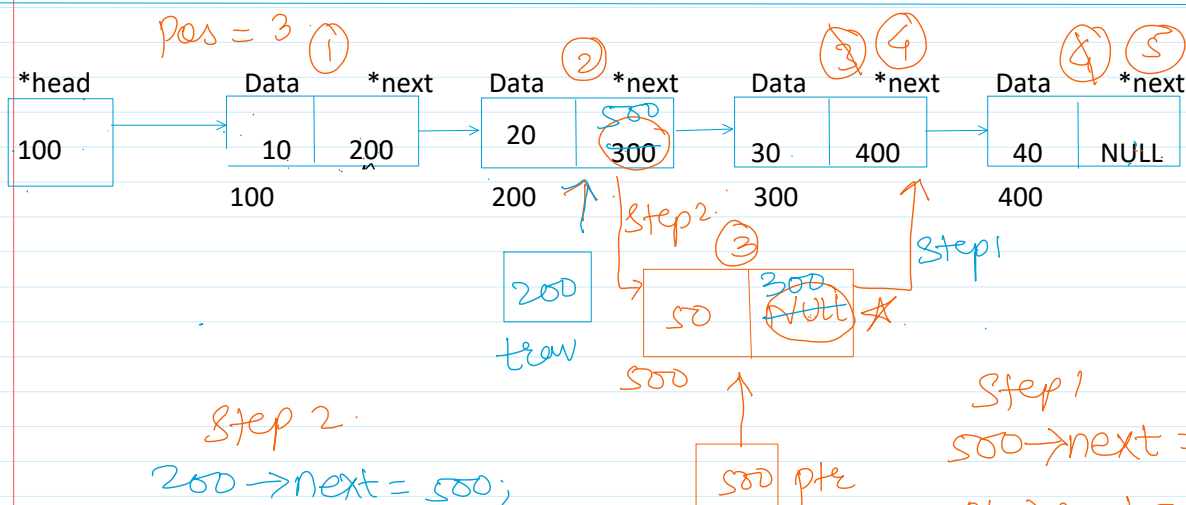


① Create the node.

② Attach the node

↳ A If list is Empty or $pos = 1$ or $pos < 1$

add node at 1st position
add first()



Step 2.
 $200 \rightarrow next = 500;$
 $trav \rightarrow next = 500;$
 $\star trav \rightarrow next = ptr;$

Step 1
 $500 \rightarrow next = 300;$
 $ptr \rightarrow next = 300;$
 $\star ptr \rightarrow next = trav \rightarrow next;$

Handling scenario in 2 ways

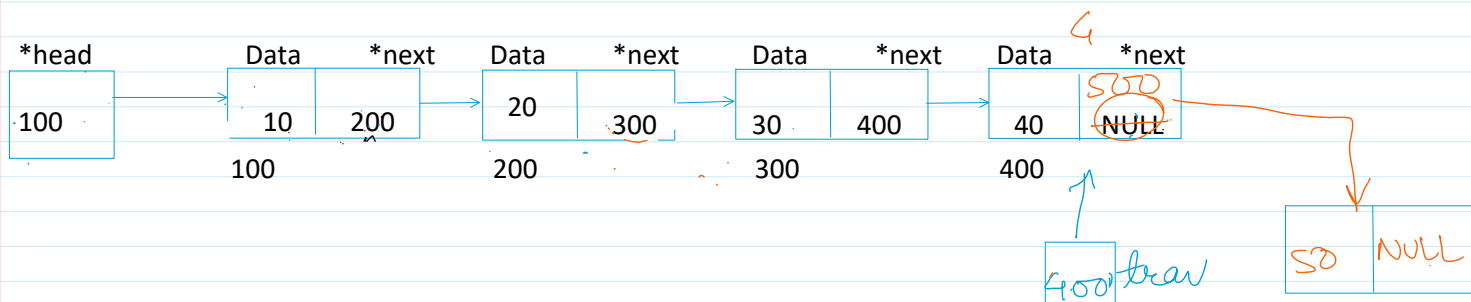
1) If list contains 4 nodes
 $pos = 20.$

① Count the no. of nodes in list
 ↳ traverse the list and maintain the count.

② compare the pos specified by user with the count of list

if the pos is greater than count+1
 ask the user to scan the pos again.

2nd way of handling the scenario if list contains 4 nodes and $pos = 20$



1
400 tran

50	NULL
----	------

500 n
500 pts