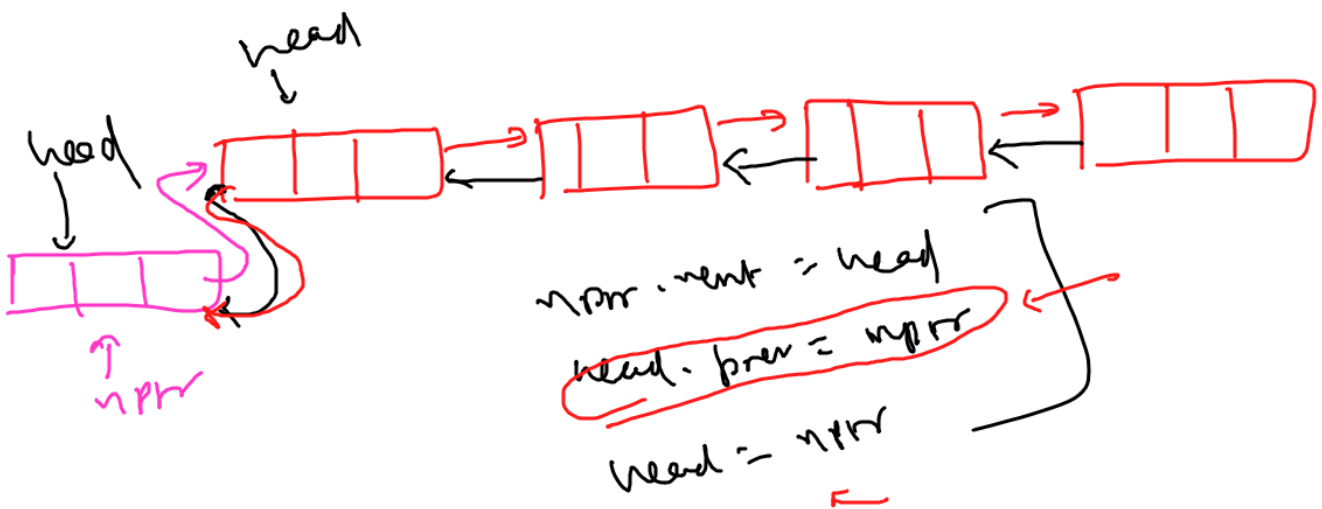
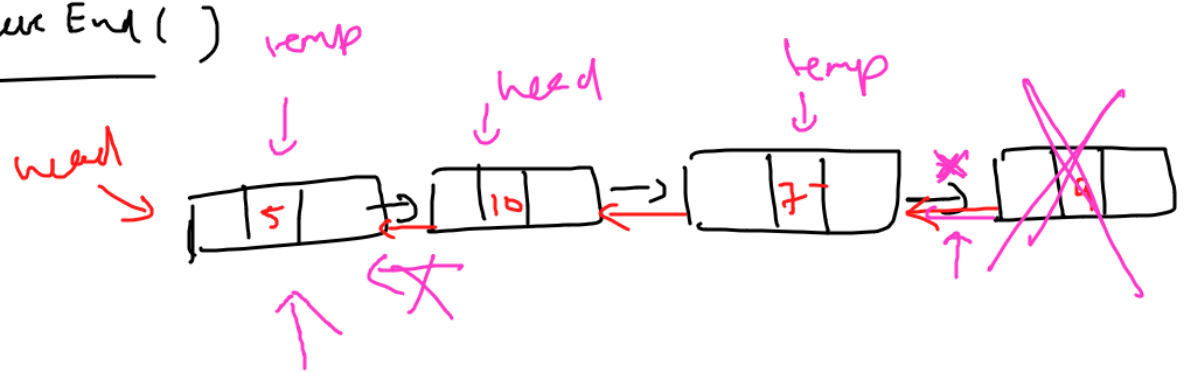
DoubleLinked List

SLL →

DLL →

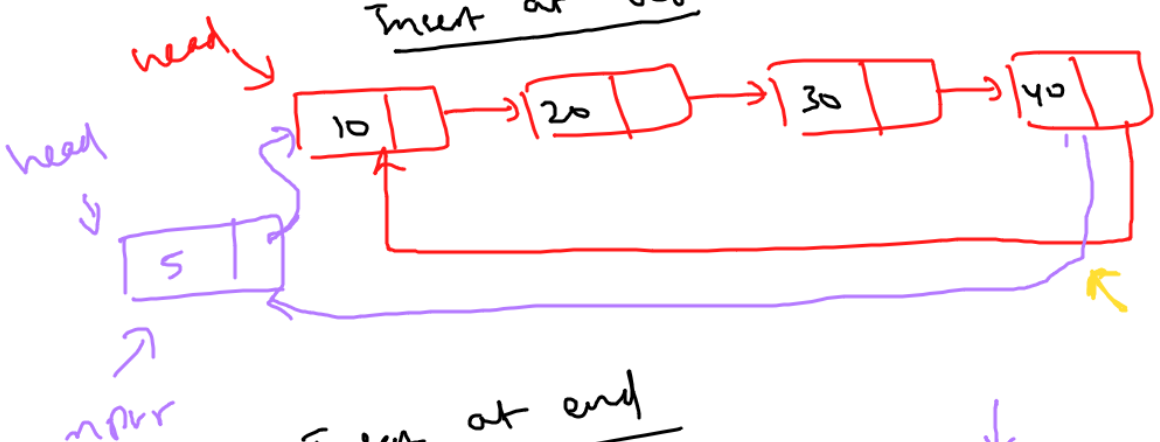


deleteEnd( )



Circular Linked List

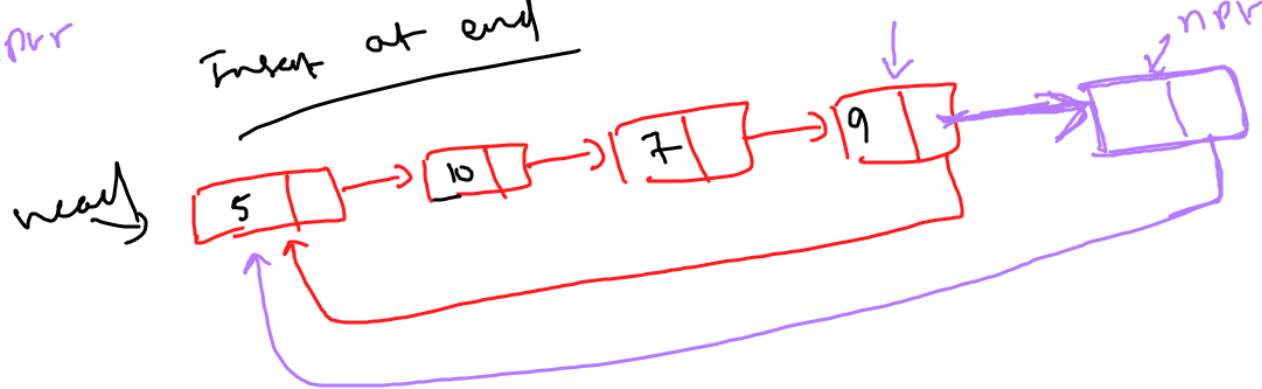
Insert at beg :-



T(n) = O(n)

In SLL,
T(n) = O(1)

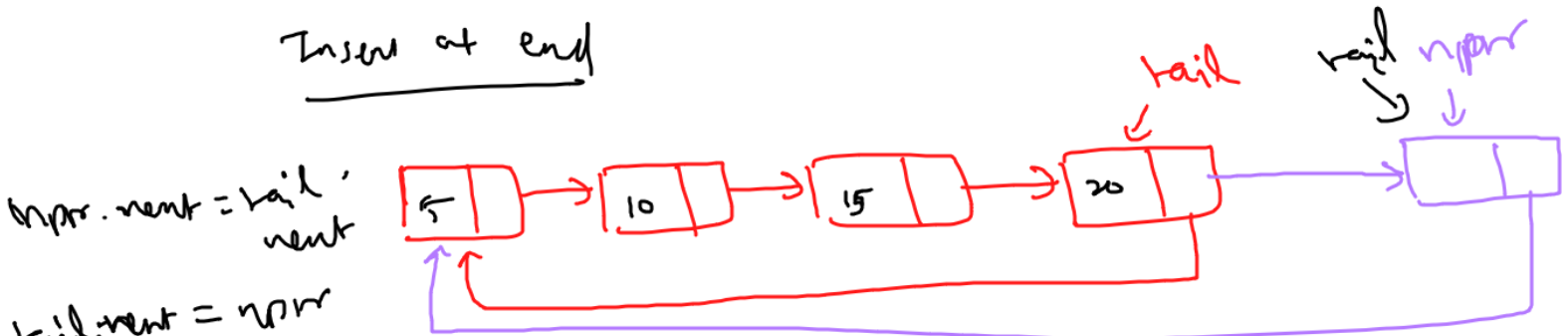
Insert at end



T(n) = O(n)

In SLL
T(n) = O(n)

Insert at end



$T(n) = O(1)$

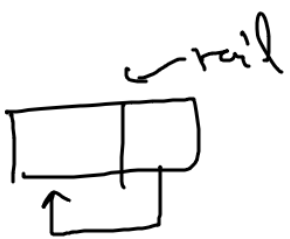
Insert at beg

$T(n) = O(1)$

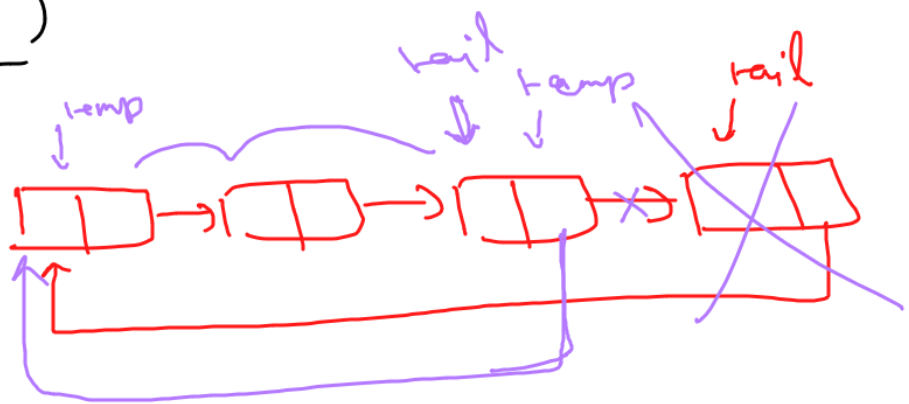
creating a Node in CLL

np.data = x

np.next = np



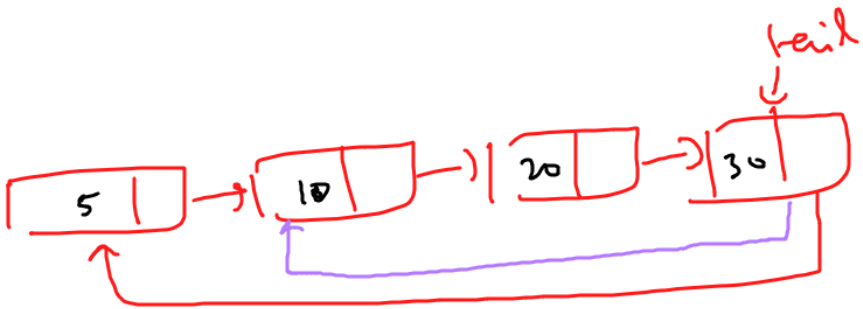
deleteEnd( )



temp.next = tail.next

tail = temp

Delete Beg



tail.next = tail.next.next

SLL

Stack

push() → insertBeg() ✓

pop() → deleteBeg() ✓

display() → display() ✓

SLL

Queue

enqueue() – insertEnd()

dequeue() → deleteBeg()

display() → display()