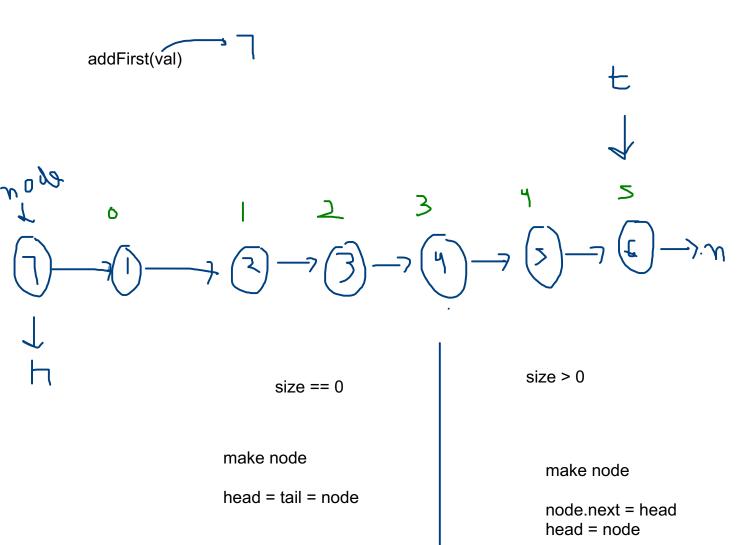
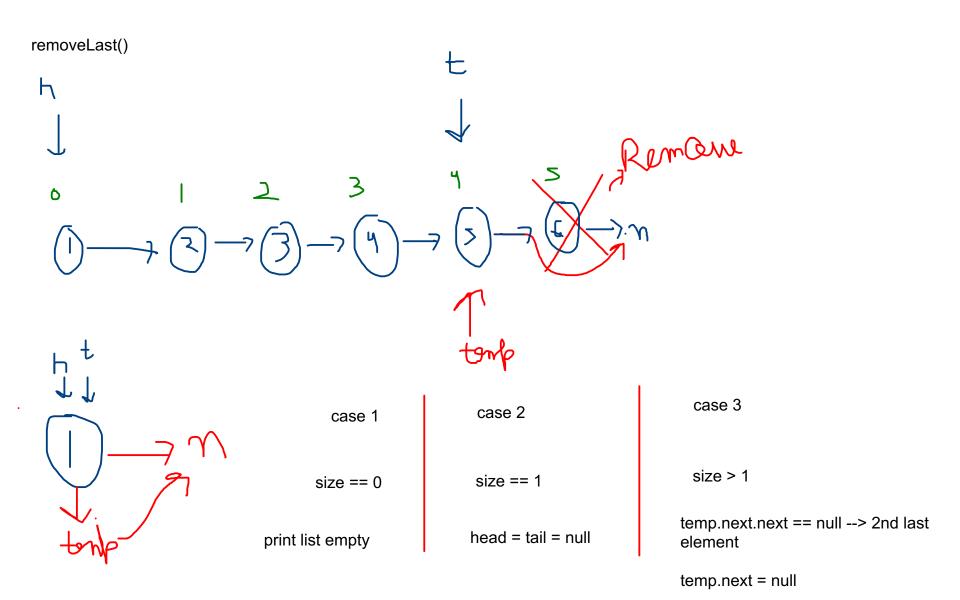
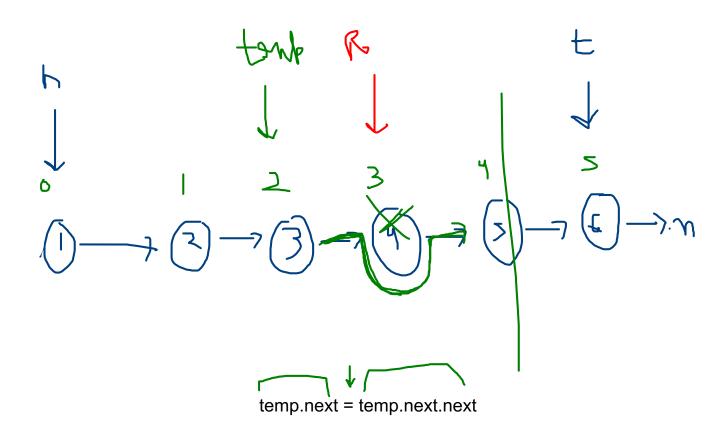
getFirst, getLast, getAt(idx) 0 t wik getFirst ? getLast ? invalid case idx = 8getAt(3) idx = 3 1 5 = 25 = 6





idx = 3



## Different Types of LinkedList

## 1. Singly LinkedList

head --> n1 --> n2 --> n3 --> tail --> null

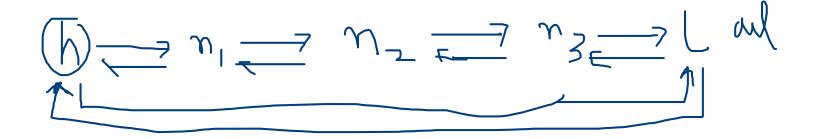
2. Doubly LinkedList

head --> n1 --> n2 --> n3 --> tail --> null

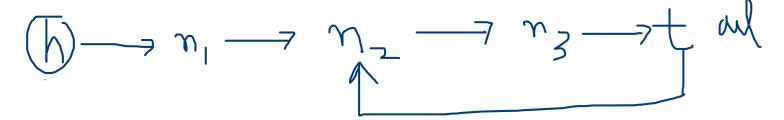
3. Circular LinkedList



## 4. Circular Doubly LL



5. Cyclic LL

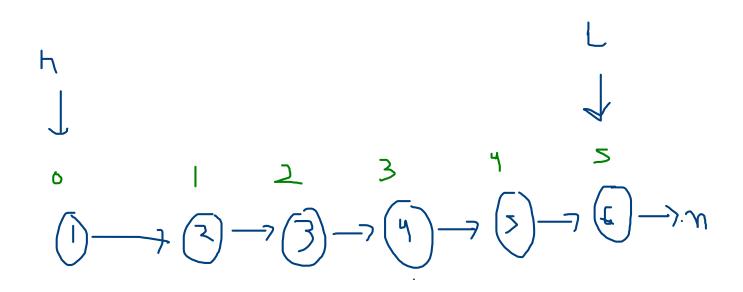


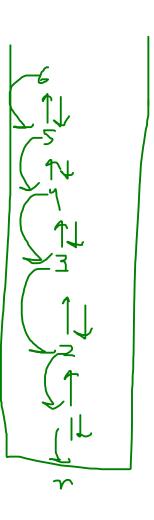
## Example of Doubly LL

Mobile Phones --> Recent apps

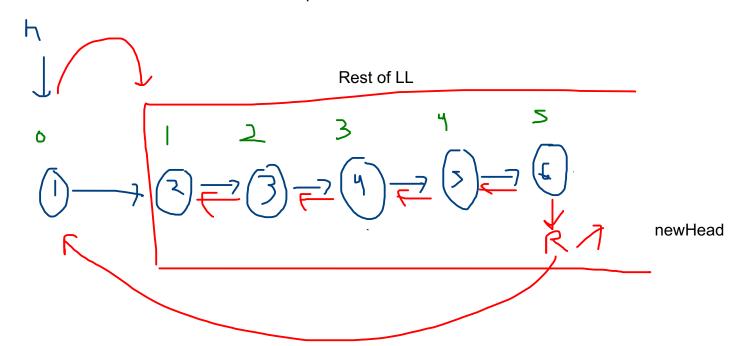
R Cucho

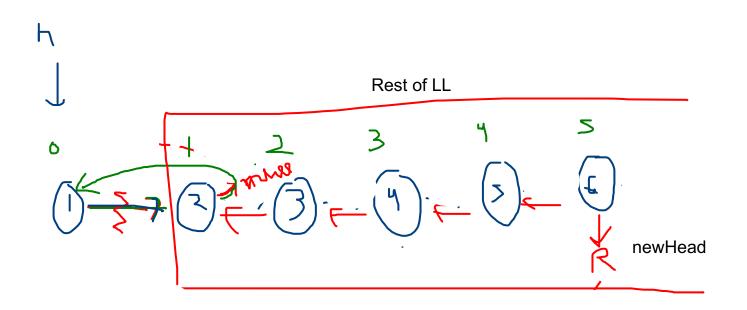
Instagram whats app LinkedIn Twitter





Step 1





head == null || head.next == null

return head

head.next.next = head

head.next = null

return R