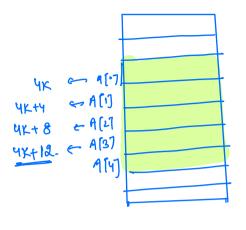


Don't wait for the right time. Create it.

- → Why linked-linked ?
- -> Insection in linked list
 - At stort
 - At end
 - At Kth-index
 - Deletion in linked list (#idea)
 - At stort
 - -> Af end
 - -> At Kth-Index.

Arrays.



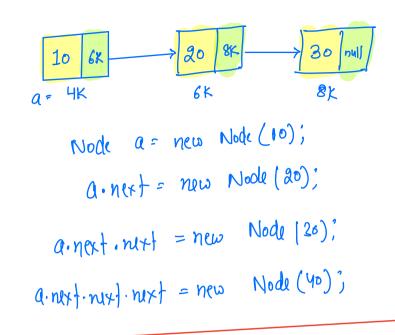
configuous space for 3 integers is not available in this given situation.

X Not allowed.

Arrays.

<i>—</i>)·	At start.	At end.	Kth-ind(x.
Inscrion	0(N)	٥(١)	0(N)
Delotion	o(N)	0(1)	0(N)
	{ shifting }		

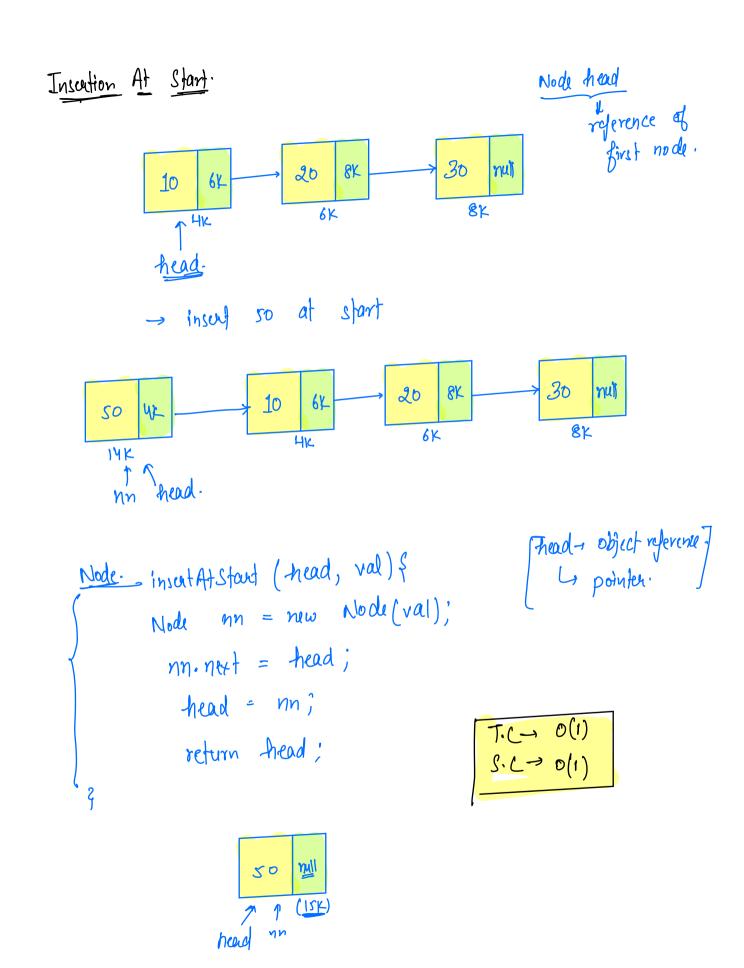
Linkedlist.



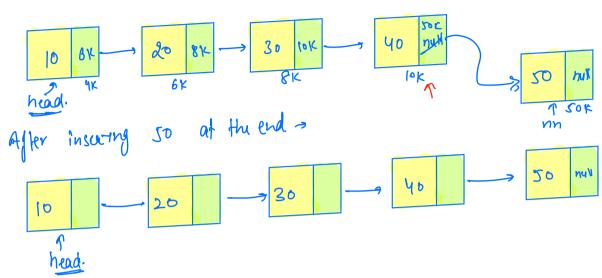
Music Player

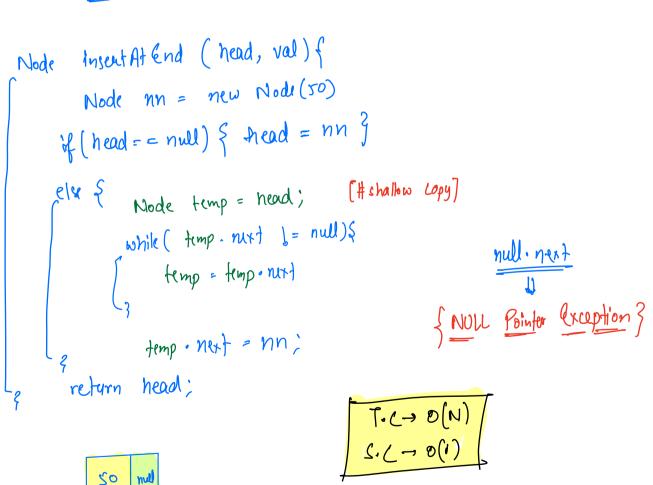
* favourity.

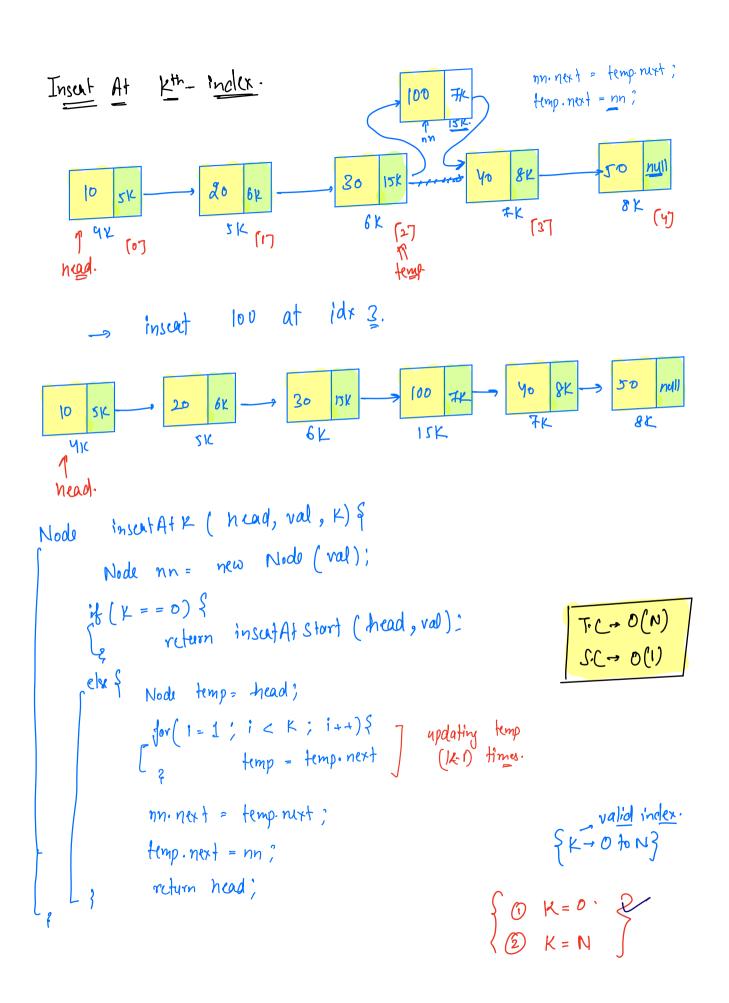
+ Scorch enging.

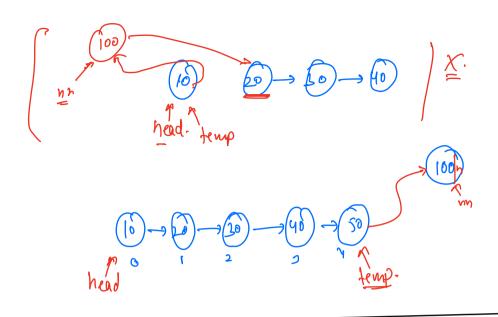


Inscutton At End.

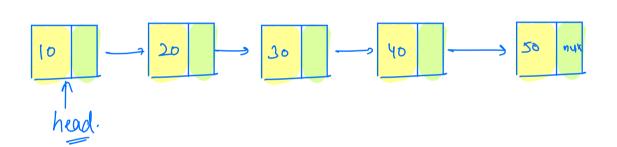








Deletion



1) Delete Affirst

head: head next

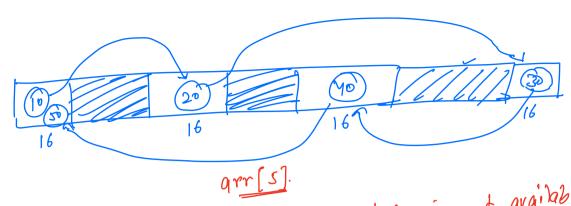
@ Delete At last

→ Traverse upto second last node

-> temp. next = null

3 Delek At Kth -idx.

(frodo)



64 byta. - but confirment 20 bytes in not available.

Shallow.

Node a = new Node (1);
Node b = a

{b.val = 50} print(a.val) -

dect.

$$\begin{cases} 1 & h & k-1 \\ 1 & h & k-2 \end{cases} \longrightarrow \begin{cases} k-1 \\ 2 & k-1 \end{cases}$$

Node 1 = node 2 }
Node 3 = node 2 }

- Keep in mind. you change attribute of any one of them modes.

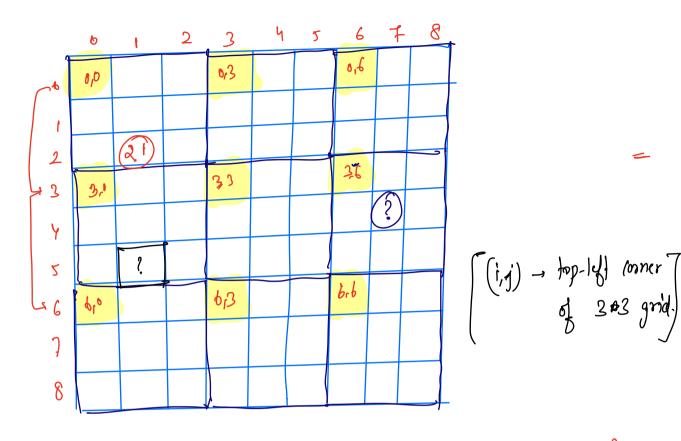
n1, n2, n3.

Strat change will be reflected?

Jor all the three nodes.

n people, every 4th mon is killed. Josephus 157 (67 2. (87 8 [3] [2] (1) (Jun(n-1, K) + (K+1)) //. n.

*- try to map the correct indexing]



$$\frac{4.4}{3} - \frac{(4 - 4).3}{5.1} + \frac{(5 - 5).2}{3} = \frac{(1 - 1).3}{3}$$

$$= \frac{(4 - 1)}{3} + \frac{(7 - 1)}{3} = \frac{(5 - 5).2}{3} = \frac{(1 - 1).3}{3}$$

$$\begin{pmatrix} (\dot{q},\dot{q}) \rightarrow (\dot{q}-\dot{q}), & (\dot$$