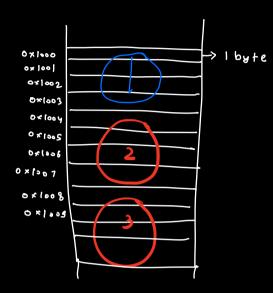
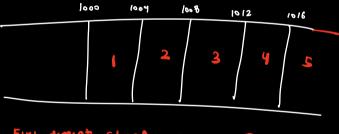
## Arrays

- contigous memory aelocation

lint= 4 bytes



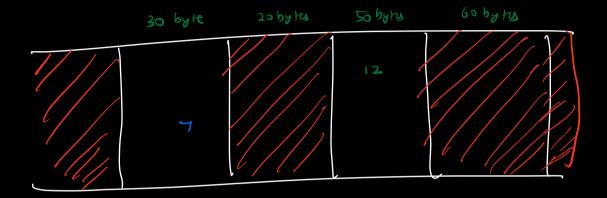
1 byte = 8 bits

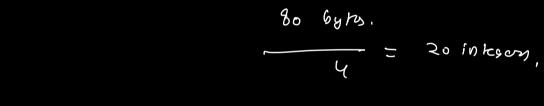


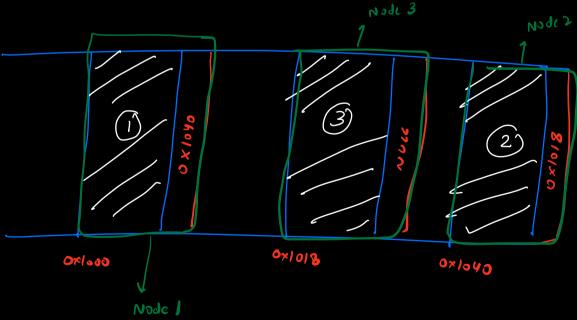
Stort inder

First diment stant at 1000

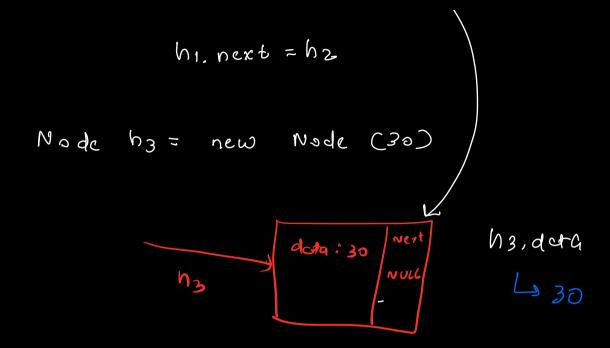
$$0^{49}$$
  $1000 + 04$ 
 $1^{54}$   $1000 + 1.4$ 
 $2^{69}$   $1000 + 2 \times 4$ 
 $1^{49}$   $1000 + 1 \times 4$ 







Node / int dutq Node next Node (int 11) this, data = x this, next = NULL. Noce hi= new Node (10) 10 Node he= new Node (20) print(h2.data) 20 20



 $h_2.next = h_3$ 

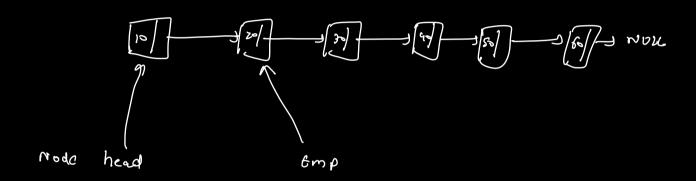
print (h2. next.data)

prot ( hz. next. next. desta)

Null pointer execption

h2.next.next

## NUCL. \_ JANPE



Node Empshead

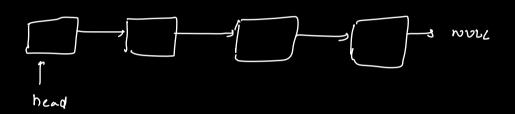
tmp=tmp.next

Q. Given a LL (given the head). Find data Stored at kth inder (from start). Return -1, If not (O based) 2 nd Head K = 2 K=0

a Print the LL

## Node temp = head While (temp!= NVLL) Sc: OCN print(temp.data) temp = temp.next

Insution in LL



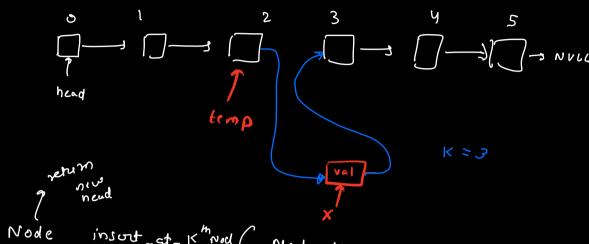
Node X = new Node (val)

Note X = head

X. next = head

There is not to the service of the servi

Insution al 12th index ( Not head not not tail)



Node insort\_st\_K mod ( Node Head, int vel, int K)

Node X = new Node (val)

Node tmp = find 1ch Node (K-1)

TC: OCIC)

If (tmo== NULL) setum NULL

X.ncxt = kmp. next

temp. next = X

detum head

