



Stack and Queue - Part I

Course on Data Structure



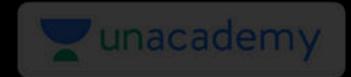
CS & IT Engineering

Data Structure

Linked List



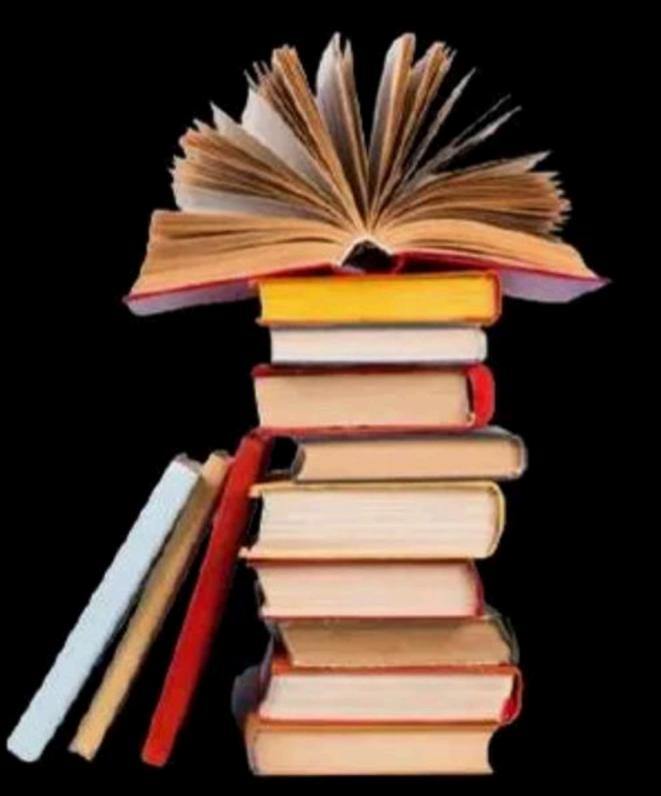
By- Pankaj Sir



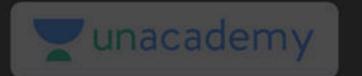


Topics

to be covered



1 Linked List



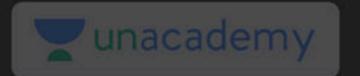
Traversol

July Add xss

Ptx

Nove

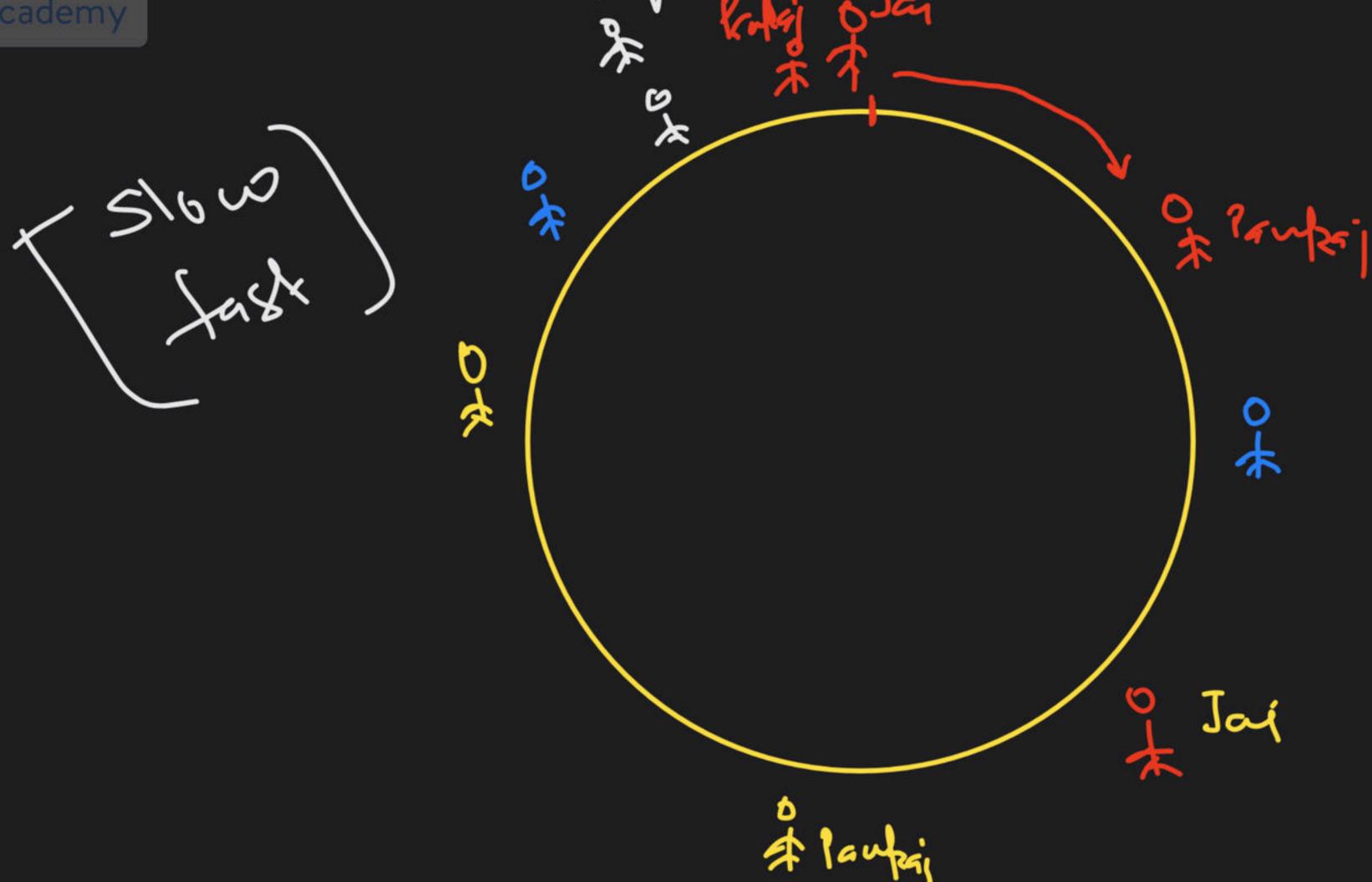
Filer -> NULL

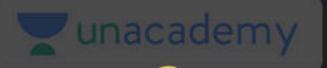


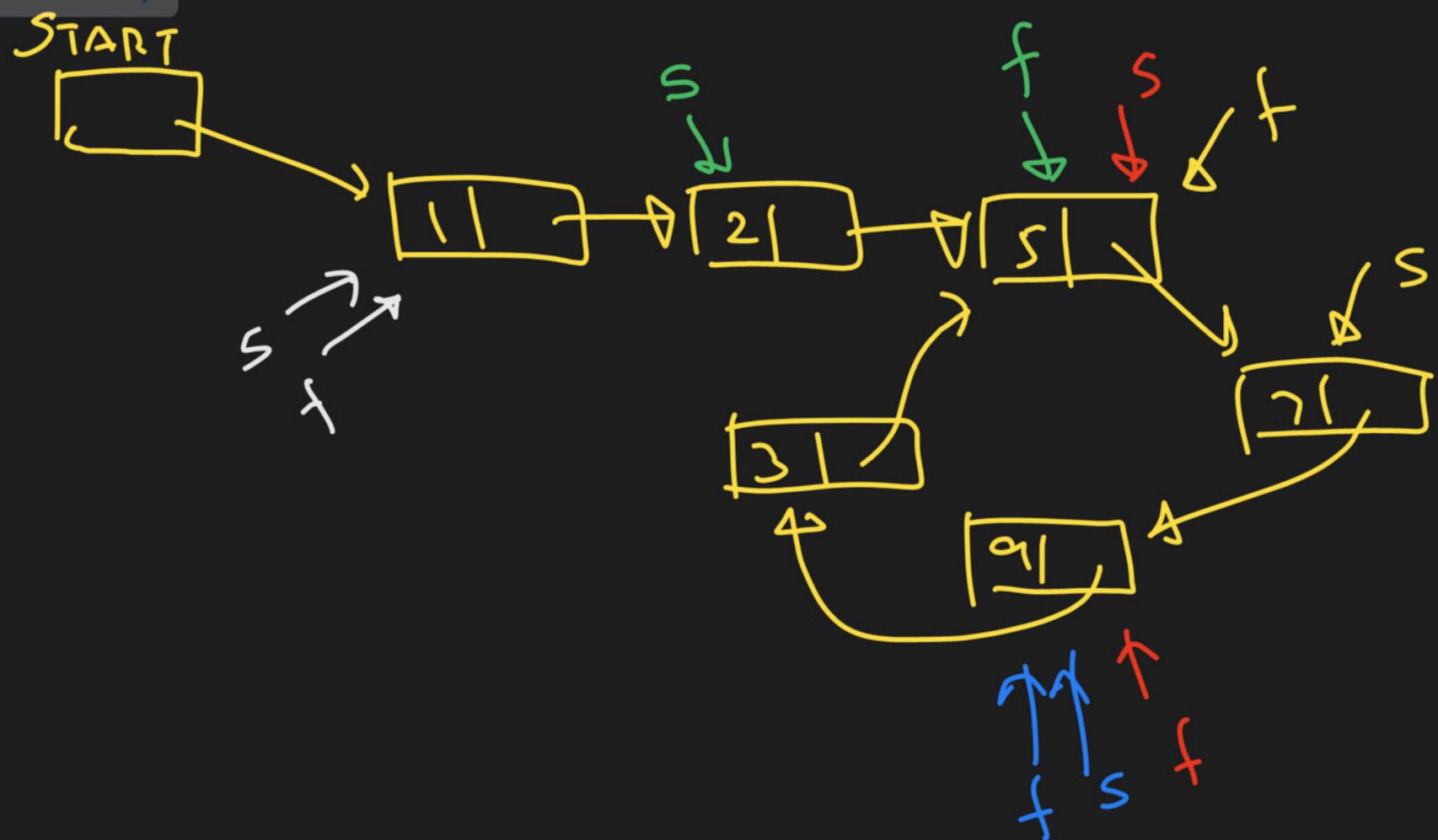
While [Ptx - Next] = NULL) Elesake + &

Girch a linked list, Acted whether it rowlains of tout or hat. START





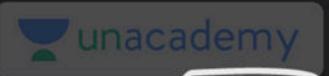




white S=S-Next; t = t -> Mexf -> Mexf! Cycle in L.L. if (s <== t)

i Tynny T.

J



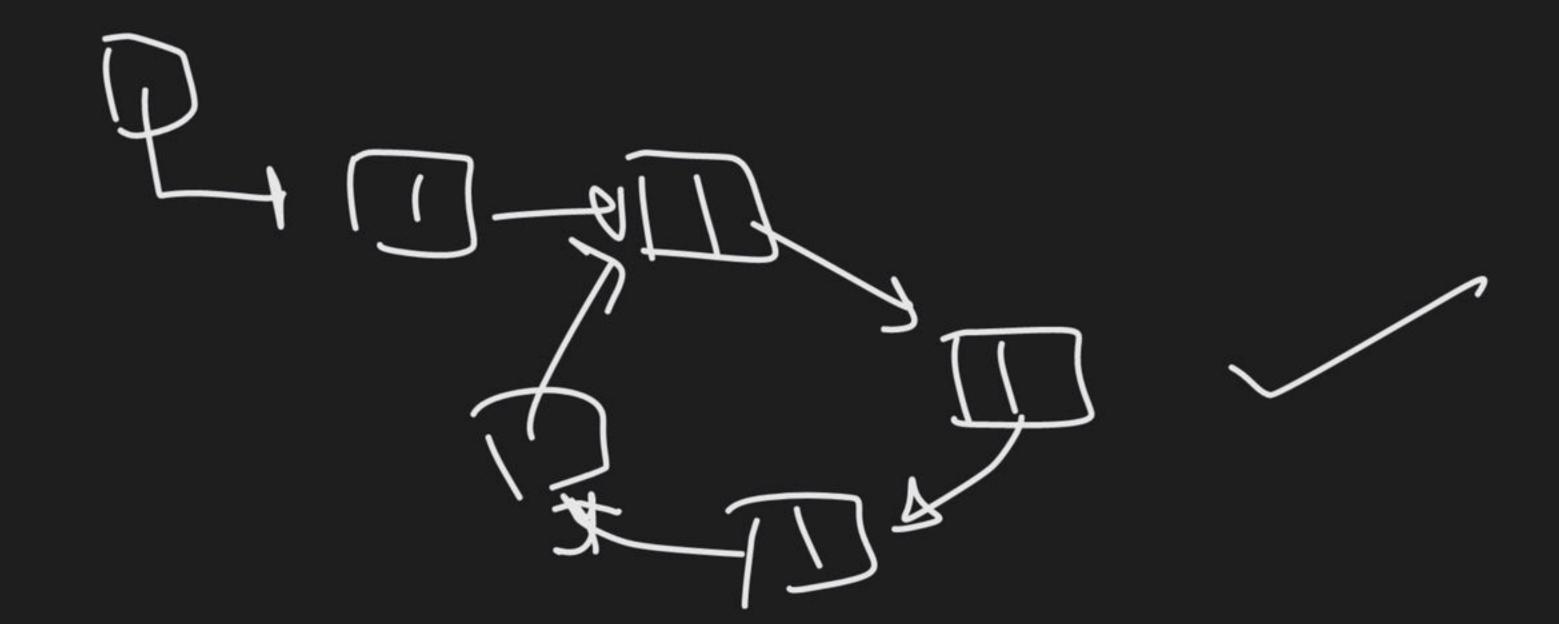


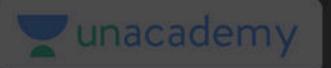
While (fast = NULL be fast > Next : 5 = 5 - Next; f = f - Next > Next; (+ (5 = = f) rewrn 1;

RETURN V.



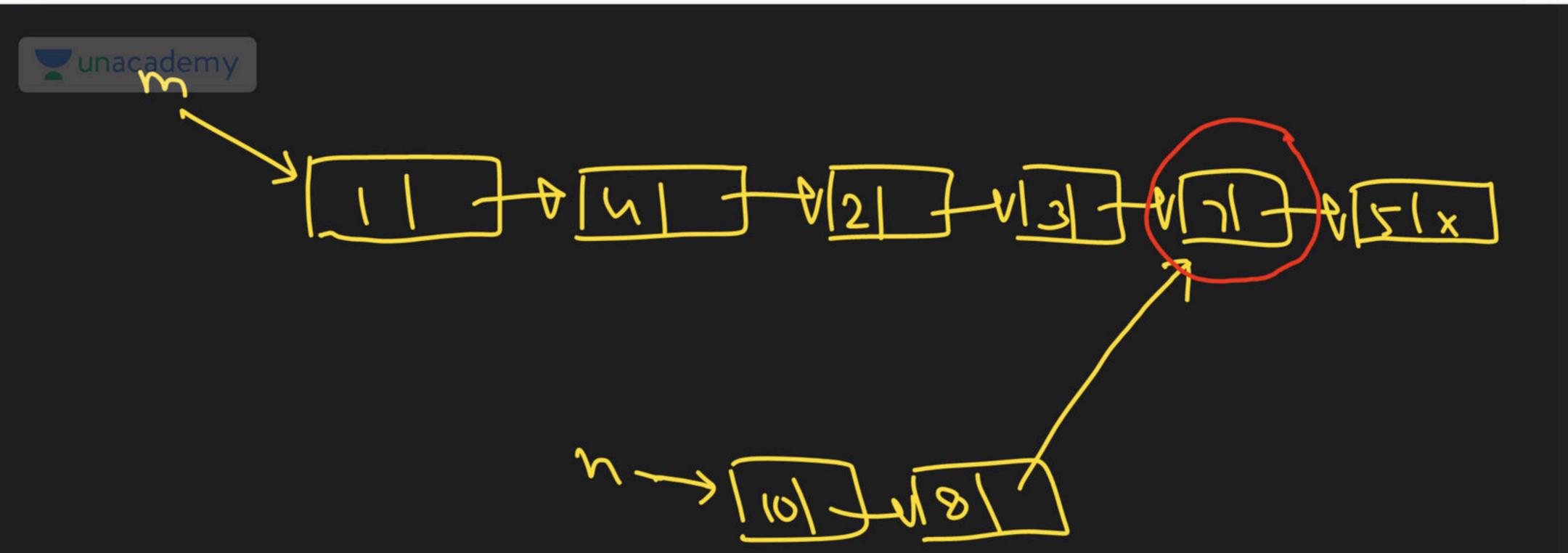
HALLIALLY C

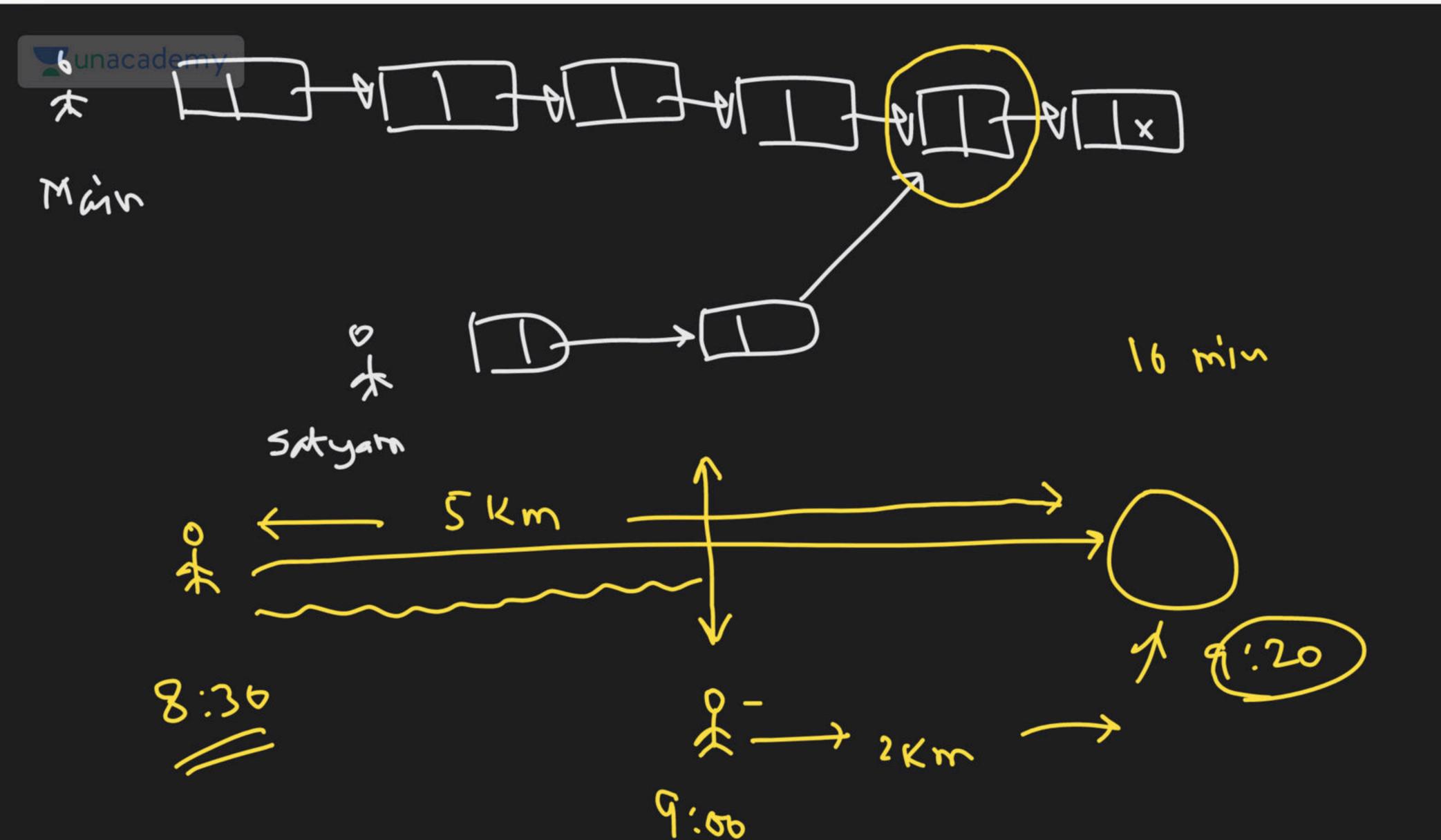


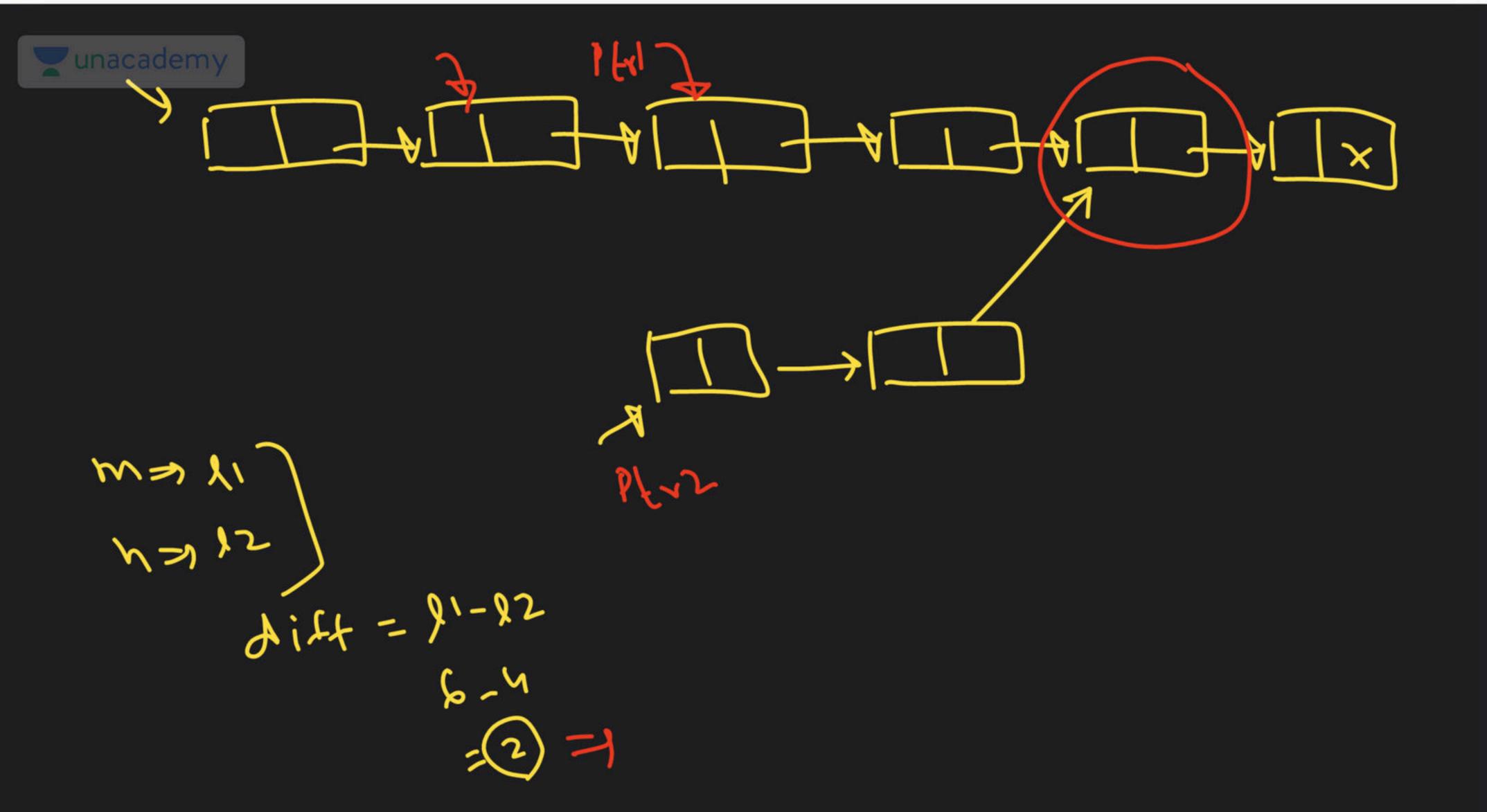


S=5 → Nex E; t = + -> Next >Next (t(2==+) xc+xxv.

7

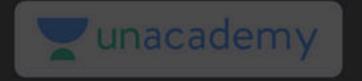






struct wood *Plex1 = head1; struct Node *Plex2 = head2; バルト かこの、かこの、 While (PEYI) = NULL) *1十十、 Pヒッ/=Dトリーかいから My 1/4 () = 12/45 : MALL & 15++;

Ptri=hradii Ptrz = hradz; ditt = abs(11-12); 14(11) 12) { for(うつう) (1+1) PENI = PENI - Next; ~ かいとこりにいろかいかい



Types of Linked List

S'ingly L.L:

LEALT ALT X

(2) Doubly Linfredlist: Node Street Idah

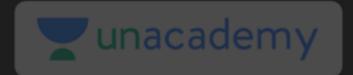
Then got nev data Next her data Next 1000 3000 Loso Struck Nodes Strick Mode Prev 4000 ink gama, Short Holl & Nint;

Insek-begin

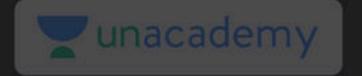
-) (xate a Node shuck Node Ttemp; temb = malloc (size of (strict Node); temp odata: kay; temp -> Pxv = Null;

unacademy

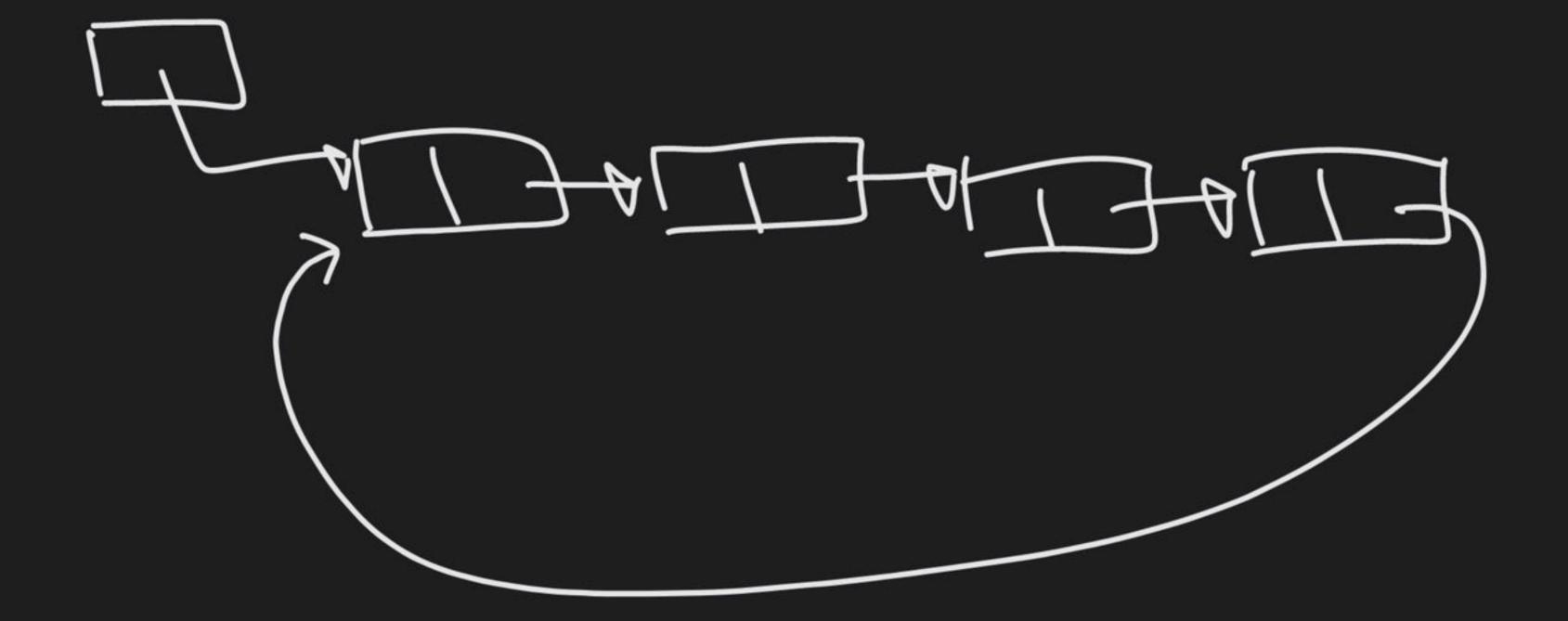
(START=ENULL) { Temp + Nost = NO [1; SIADI = femp atleast I mode is alxady brisulin Dron Dext Mext Prev data Next Bro toke nest 20 1) temp > Next = head; 2) head > Pxv = temp; (3) head = temp;

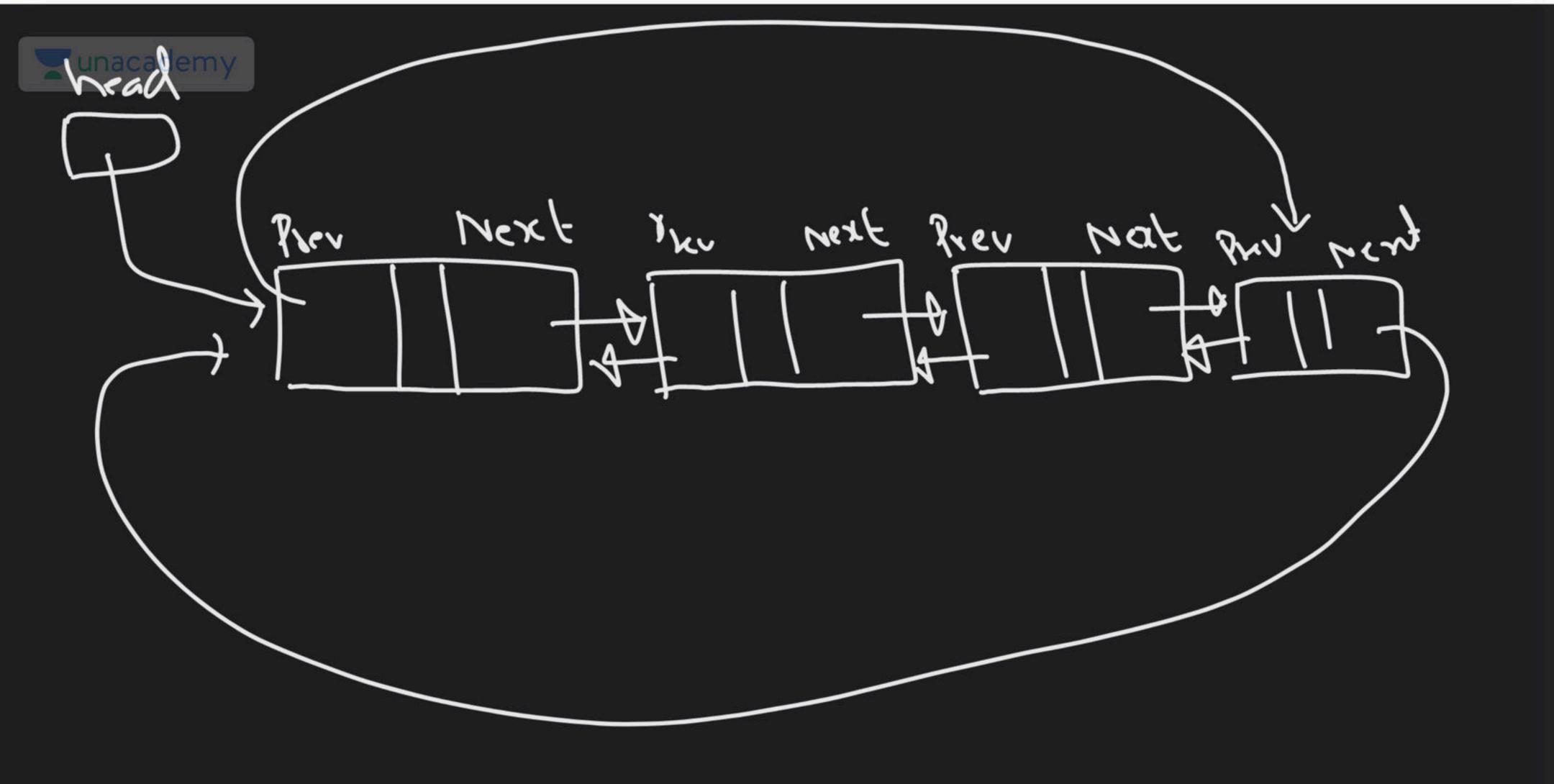


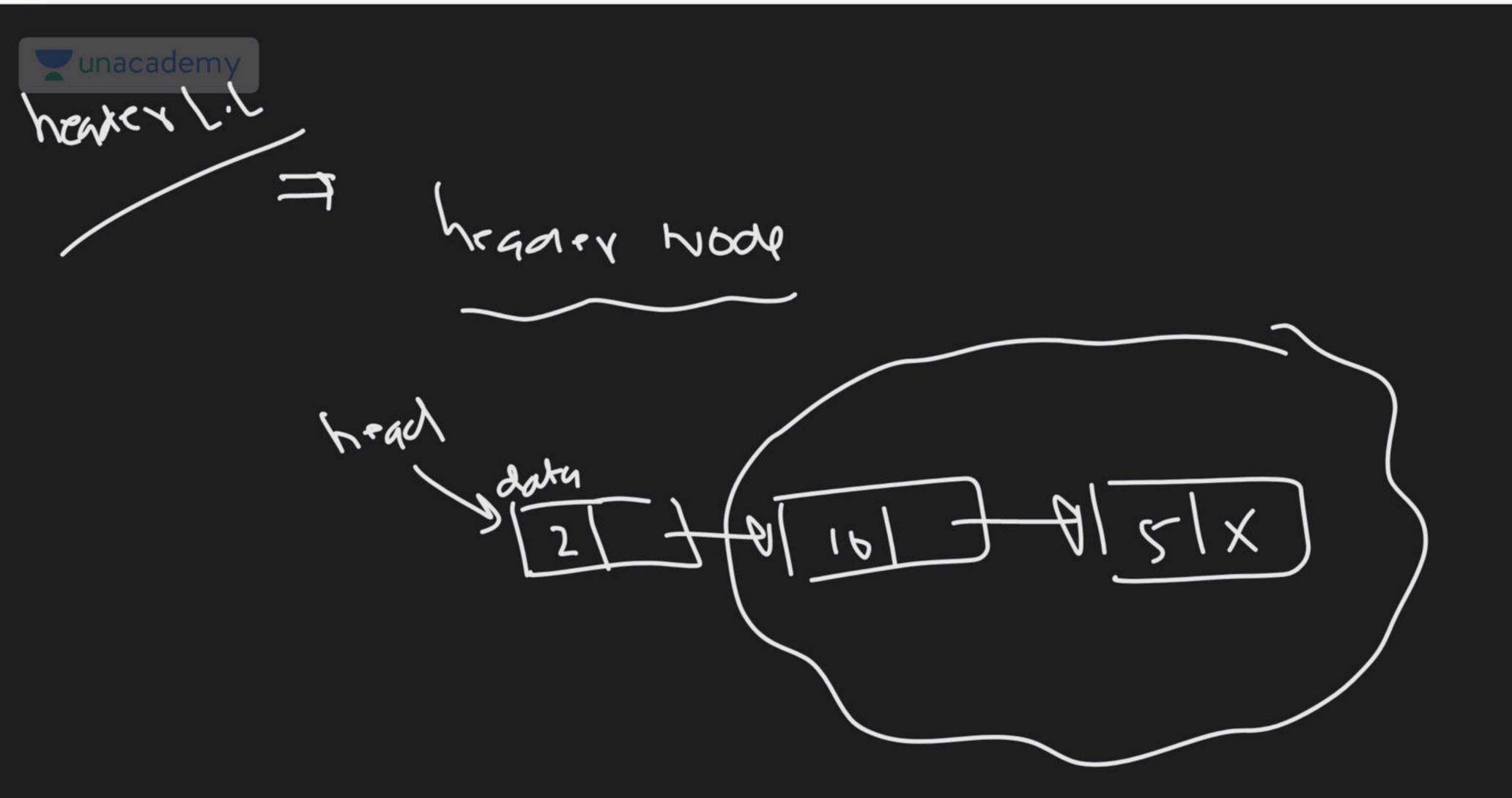




Cirular Linked List







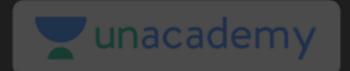


1) ompt

Givena fainte to a mode

(Cods)

1, cultural



Types of Linked List







THANK YOU!

Here's to a cracking journey ahead!