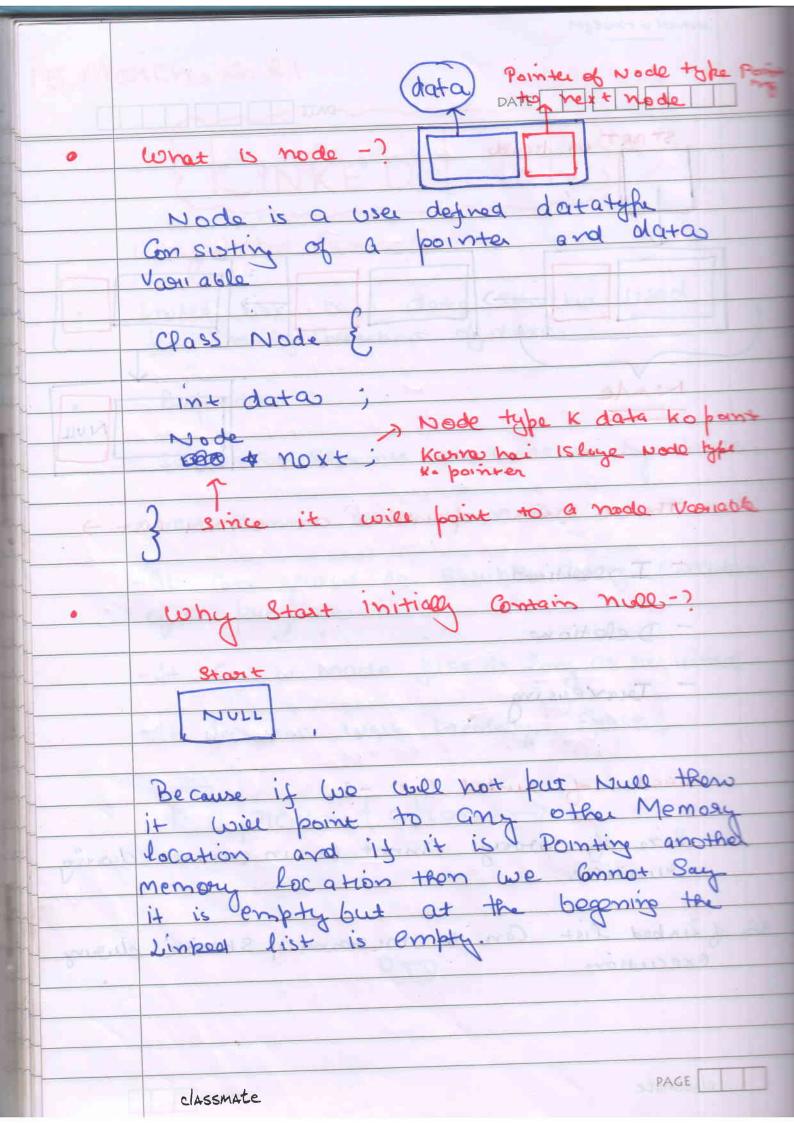
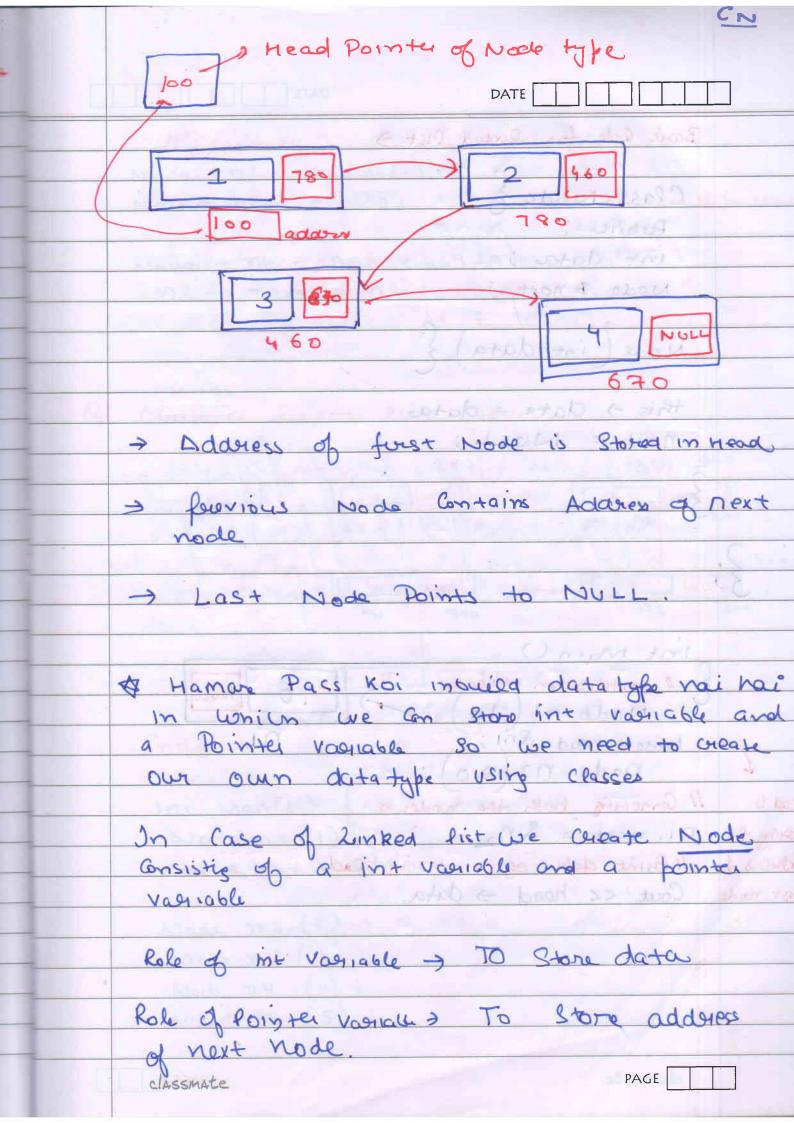
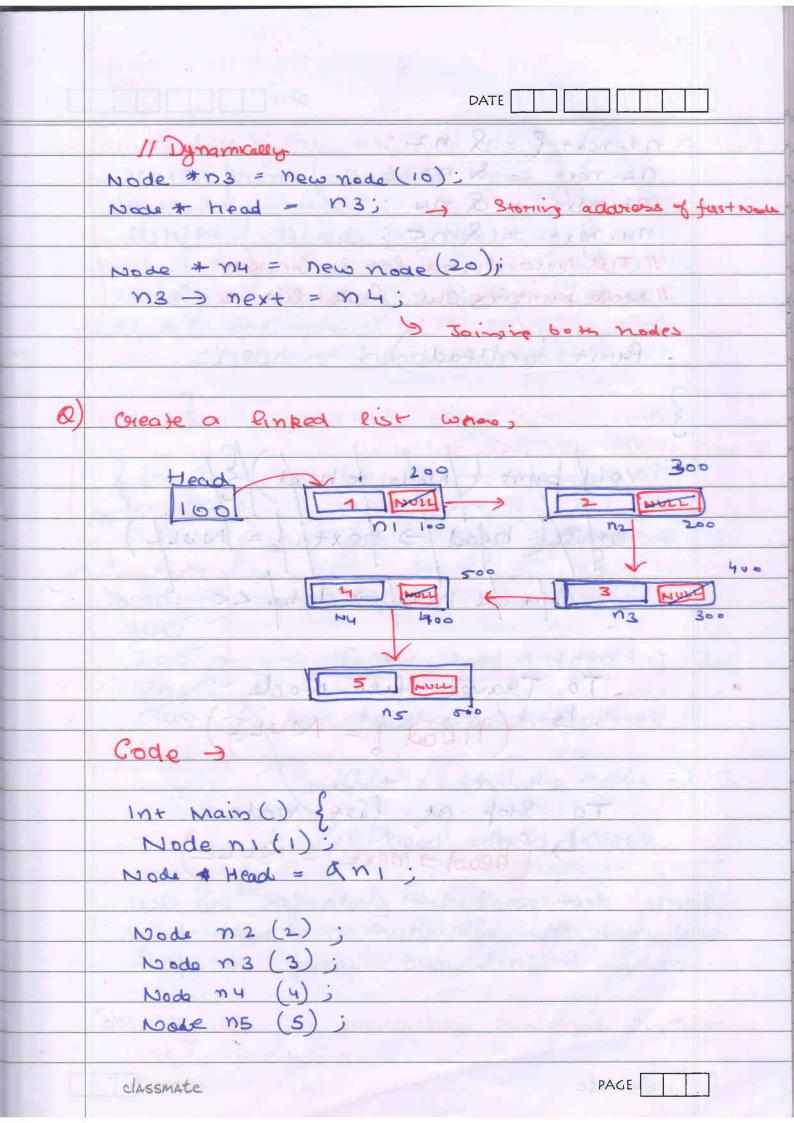
Mysiner & Youthe
15, March, 2021
DATE
ELINKED LIST 3
why linked list - ?
A COMMITTED TO SECURITION OF THE PROPERTY OF T
· Linked list is a data structure used
for storing Collection of datas
· Buop contries >
The state of the s
- Successive Elemonts are Connected by Pointer
- Last clement Points to null
- gt an grow on Shrink during execution
g a programs
- It Gos be Made Just as long as required
- It does not work Memory Space
Reprosentation ->
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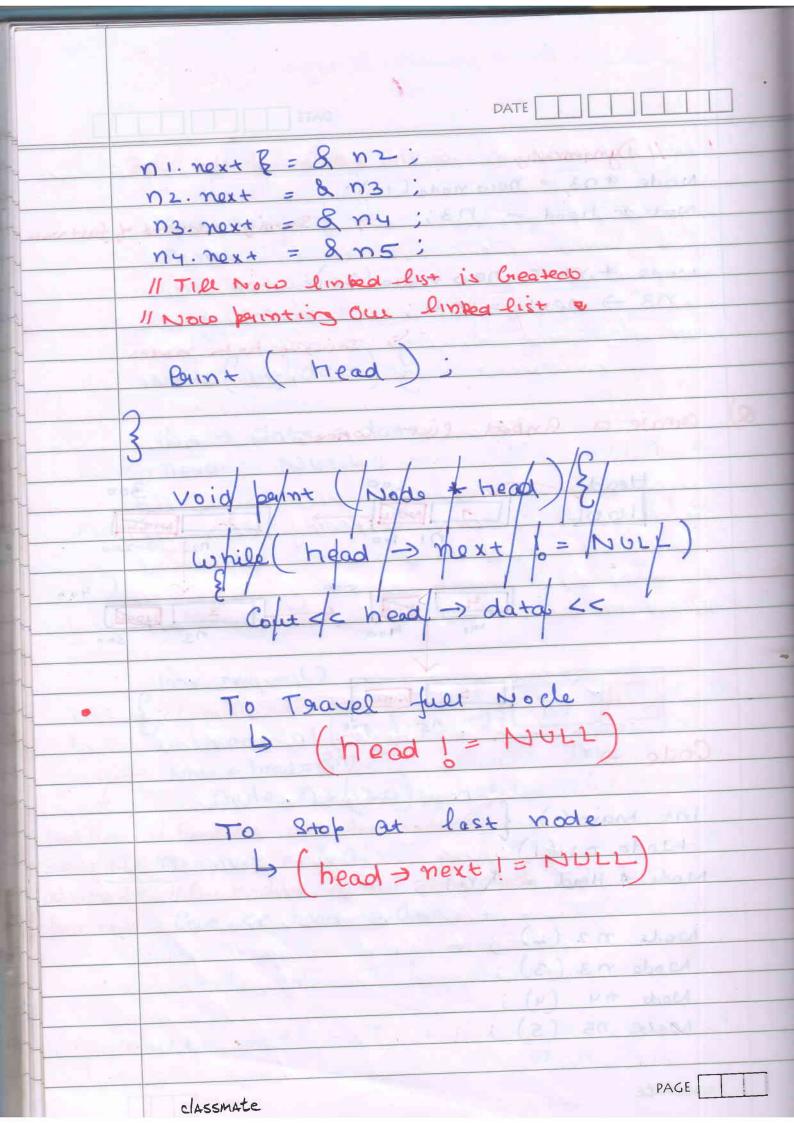
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Node Oth M
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Thoree mein operations on embed eist >
- Insention
F- John Matter Deither Harthy when
- Deletion
Trute.
- Traversing
The second secon
NI no Auto de trade Oist - 2
seamed with Linked Dist - 71) It was so
Size of avoing Cannot be in creased during
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Size of Linked list Con be increased Sharing during
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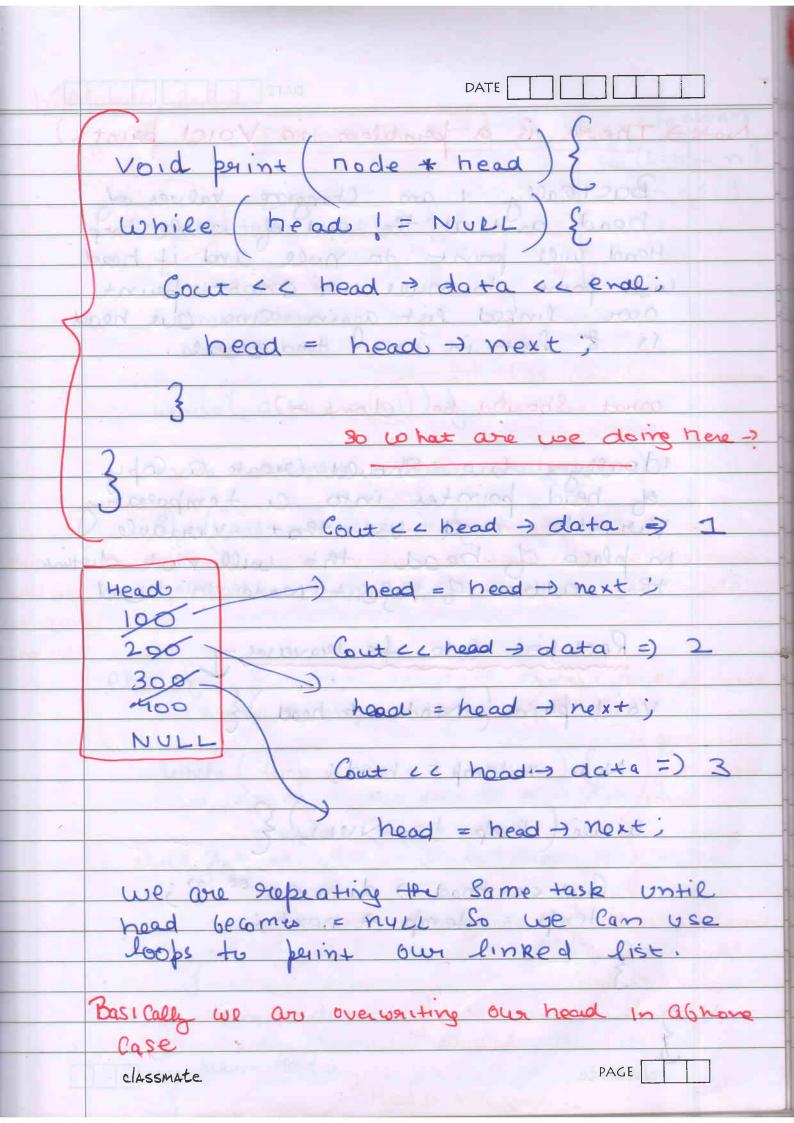




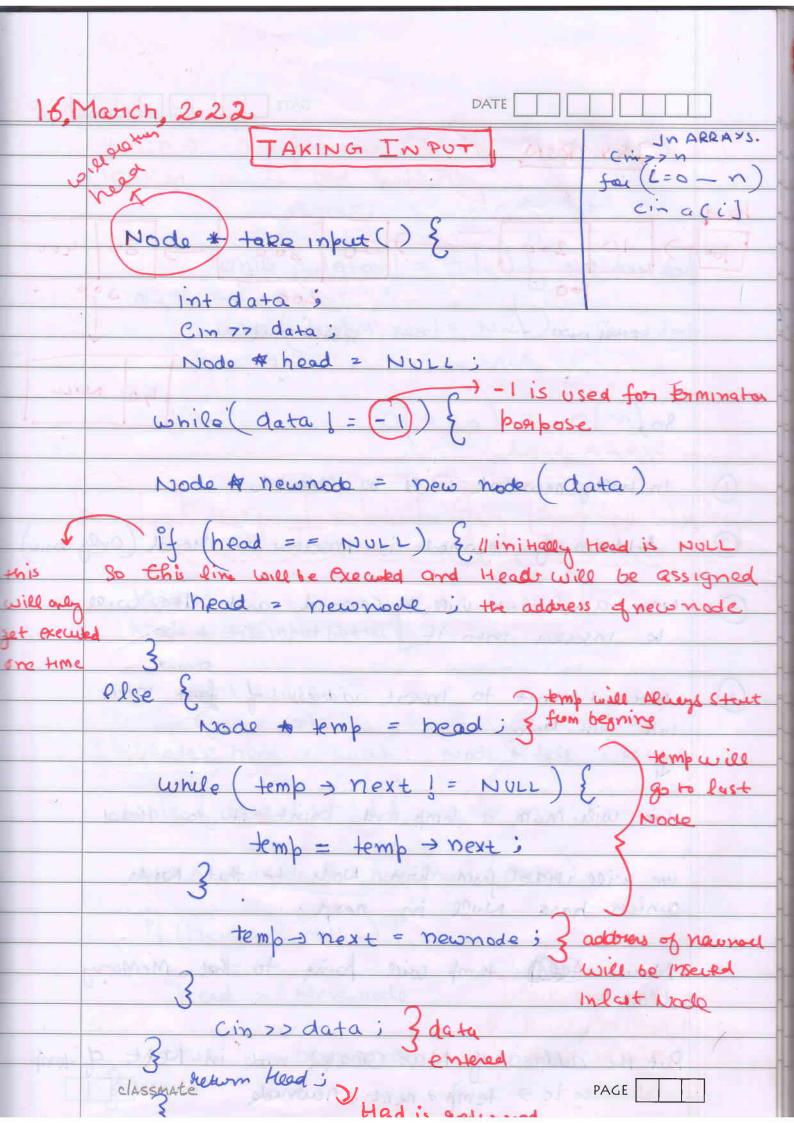
- M3	
	The state of March Personal of Marte Hall C.
	DATE DATE
	Basic Code for Dunber Dist 3
	pasic edg jo
	Class Node {
7	Public:
7	int data i
et.	Node * next i
4	way (F. II)
<u> </u>	Node (int data) {
~	10: - data - databased tale h citiz la
The state of the s	this of clark - clarks
The said	Mext = NULL;
15-	Bright Williams Labor & Right SA TEST
tyar	3
2	
3	Committee of the Commit
	Int Main ()
4 401	E / misslesation of Nade
Harris Barrier	Node n1 (10)
	Node * head = &n1
4	node n2 (20);
head is	11 Connecting both the nodes o
Storing the	MI. next = & M2
odderess of	11 Print data of mi using head
foot ned	Cout << head > data.
	stab water OT a standard to the
	righter orate of 6 Names 194 may to day
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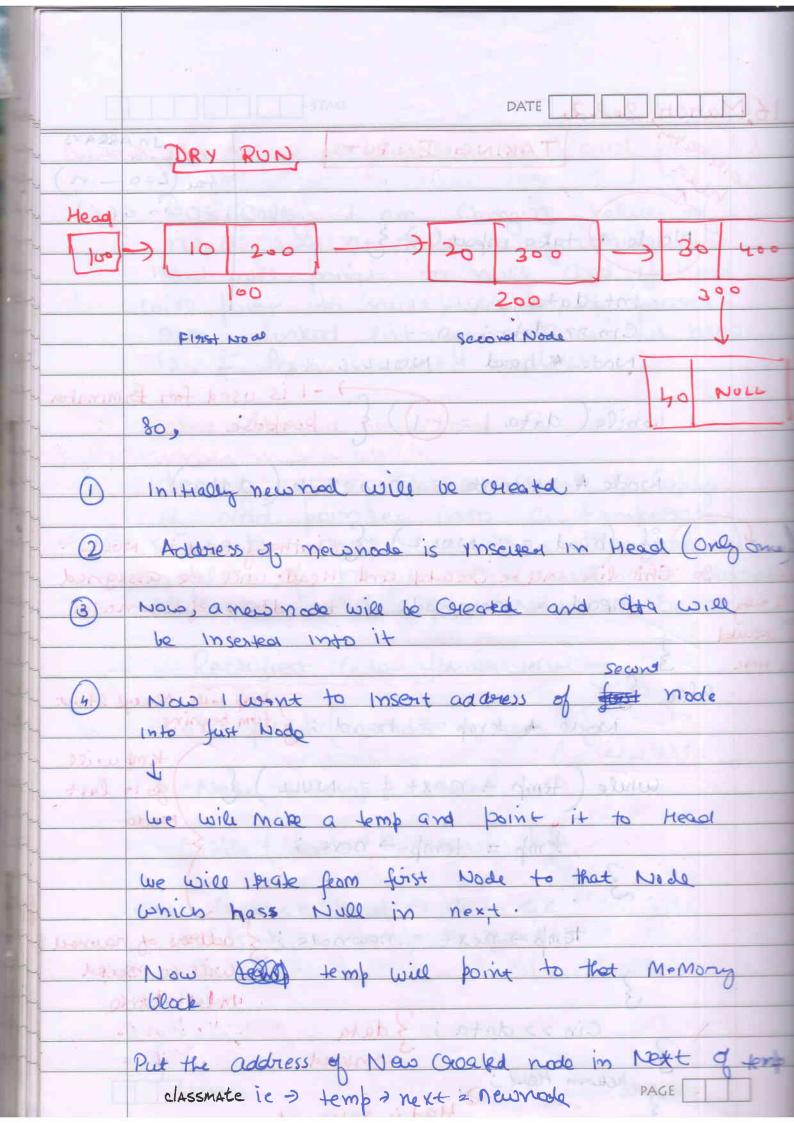




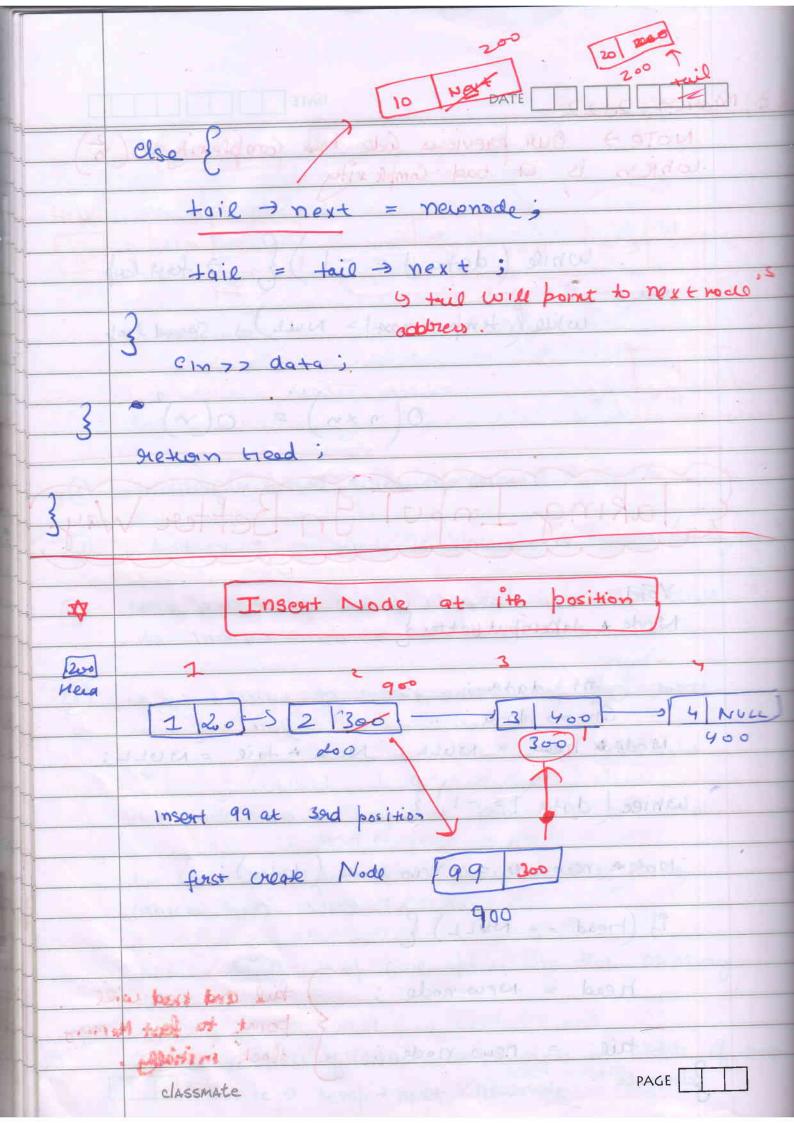


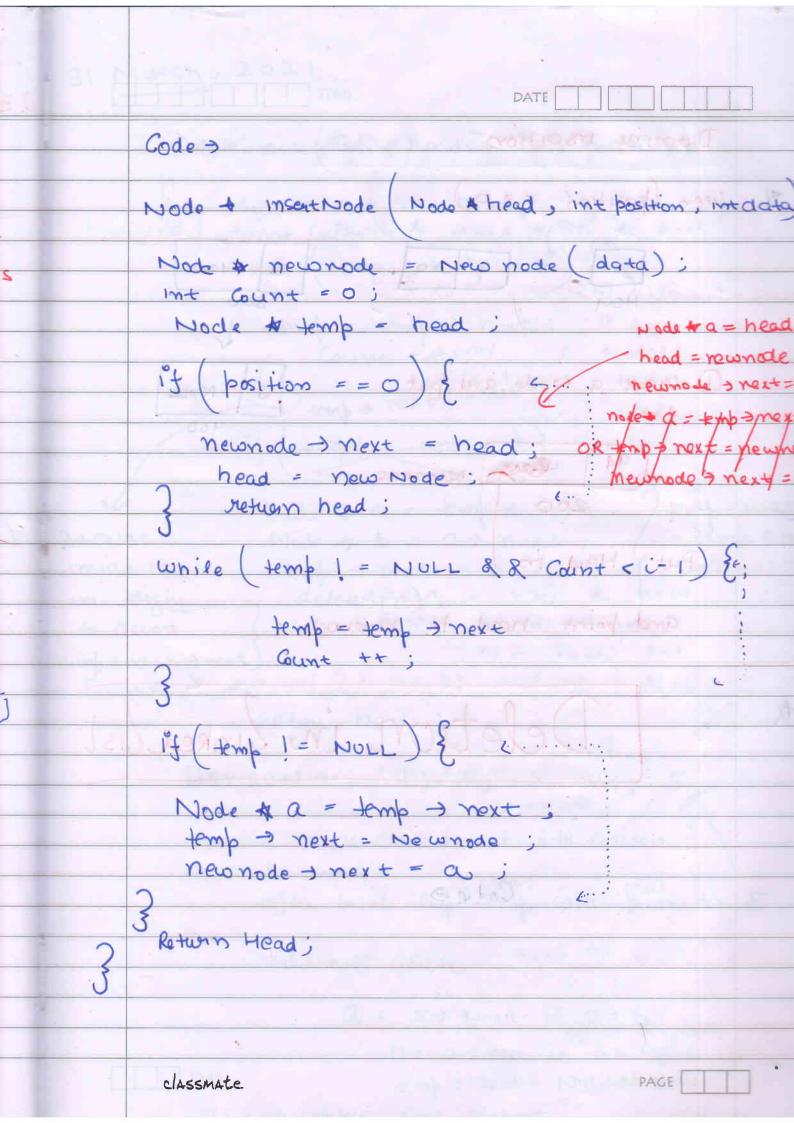
	DATE DATE
Note	> There is a problem in Void print ()
	THE THE LEADING SECOND FAMILIES DIGIVE
	Basically I am Changing Values of
	Basically I am Changing values of head and at the end of while loop
	Head will point to null and if head
	will point to null we connot print
	Own linked list again since our head
	is & lost in one traversal.
-	
	what Should be clone -?
S- 0n3 f	I grids now you to to do of
<u> </u>	Ideally, we Should Create a Copy
	of head pointer into a temporary
	variable and use that variable
	in place of head this well not disturb
	the address of first Node in head.
	Rechfied Code for traversal
	Varidochional Jana Land Le 200
	Void print 1 1000 - need)?
	C- LALVA
- 2	Node * temp = head;
	6 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	while (temp != NULL) &
	Cout << head > data << ee >";
	Levels - lovels & novel:
	temp = temp > next;
	The state of the s
	In the day of the second of the day of the
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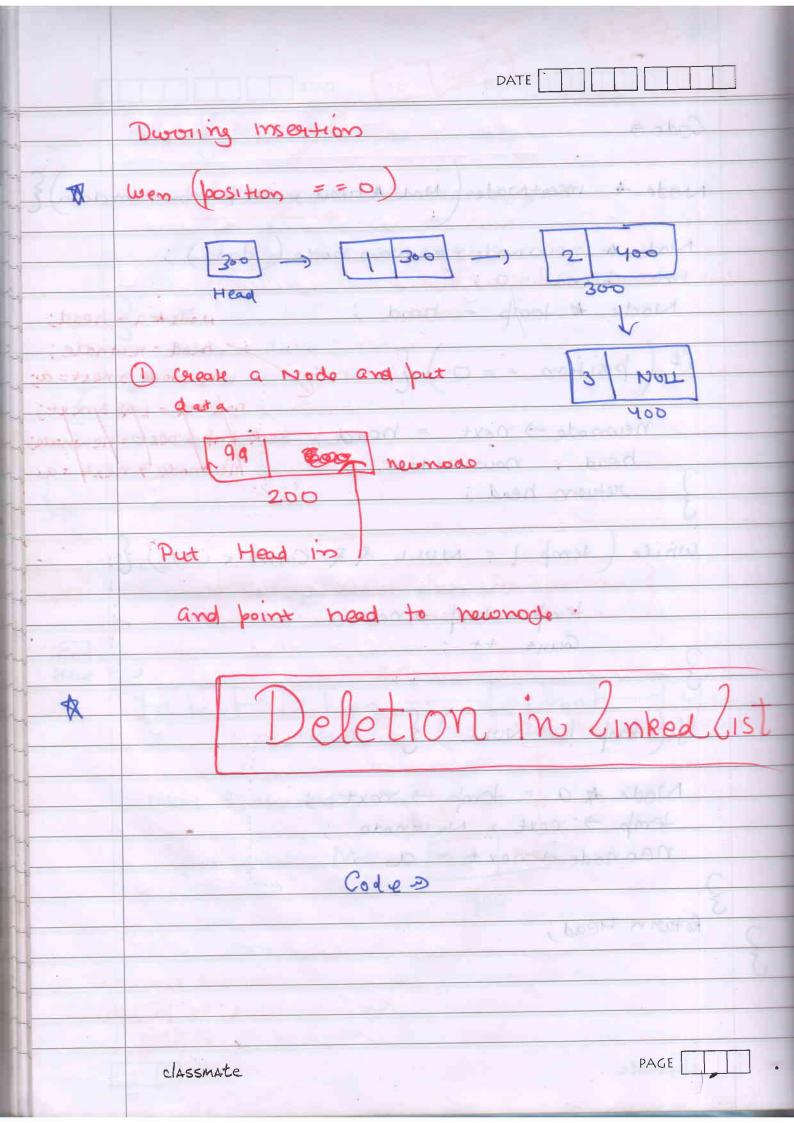




DATE DATE
3, Musich, 2022
Note > Our previous and the tres complexity o(n) which is a bad complexity
- The state of the
while (data) = -1) { > furt loop
ebe > while (temp > next! = Null) + Second look
$O(n \times n) = O(n)^2$
Taking Input In Better Way
Node & takeinput better {
Int data; Cin >> data;
Node * hoad = NULL; Node + tail = NULL;
whiee (data!=-1) {
Node * rewnode = new node (data);
Pf (head = = NULL) {
head = New node;) till and had will point to fast Memory
PAGE PAGE







31 March , 2021 Delete - node (node + head , int position) Node * temp = head; && Gunt < position-1 while (temp) = NULL) if position exceed temp = temp > noxt; & loopte of linked Count thosal = s & distage well +mp > noxt! = NULL Come out and if temps = NOLLE) Protto anything Node & a = temp + next; / temps next Node & b = a > next; (= temp > not temp -> next = b ; (= temp > not Because temp -> next = b i inside it delete (a) is a void of the Iam beging MORE & DOOR & HEAD! to access INT COUNT = 0; O = + MUO) +NI While Grow = MUCE & & position < GUNTO I He kow head 3 July = Vous DRY RUN + 1/19, 62,00 3, 104, 5, 6 GUNTY+ delete clement at 6-18 Position after while loop temp will point to 5 them will wrote = +x0x a = 5+ Next ie a = 6 bz a + noxt ie 6 = NOLL timp > nort = NOLL PAGE classmate This will do belo Part element.

Maich 202
DATE
Another way -> Two pointers
Pulling I sandy when I plant is a good in shall in a
Node + delox Node + head , int position
if (Position ==0) &
July Jayes S. Juny S. amos S. amos
Nado de a = head;
head = head > roxt; dollab (a);
creat ()
return hoad
2
Made to a town of growth of the last
the state of the s
ten else
Node at forev = NULL;
Noce of Cur = Head; Int Count = 0;
while (Court = Moule & & position < Count
Chile (abort - reoct and positions
Porev = Curon;
Curi & Curi & rokt
Count++
1 / 2 notices and to strong to state to
il (con 1 2 NULL)
C
frev > next = Curi > next
7
D = D = 1 MANN IE D = 6
retur 400)
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