## ANAGHA ACHARYA 1BM19BTODS

## Classmate Date \_\_\_\_\_\_\_

## LAB PROGRAM-6

23.11.20	Singly linked list
	à Create linked list
	5) Insection of mode at 1st position, any position.
	end of list
	Deletion of 1st ele, specified element & last ele.
	Deletion of 1st ele, specified eliment & last ele.
	#include (stdio b)
	# include 2 St dlib b)
	void execte();
	roid displayer;
	noid insect begin();
	void insent end();
	void insect pos ()
	void delete legin():
	void delote end();
	void delete posc):
	į
	Struct node
	8
	int info;
	stand node * next;
	3;
	steuct mode * start = NULL;
	int main()
	3
	int choice;
	malale (1) &
	printl (4/n * XX MENUXXX /n")
	1 Lyfren 120   Create a firt 11) to all
	pende (" n 2. Display list");  pende (" n 3. Insect mode at leginning");  pende (" n 4. Insect mode at end");
	reuni (" \n3. Insect mode at lieginning");
	nemb (" In4. Inset mode at end");
	pearly ("In s. Inset made at specified position");

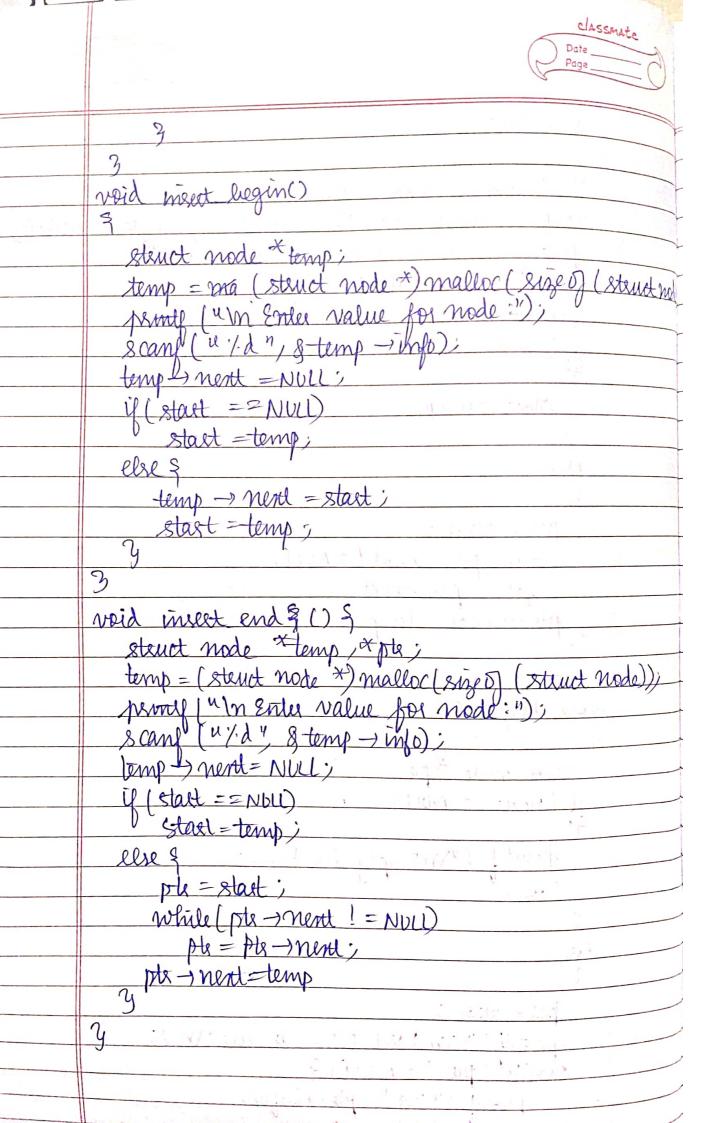
_	
	periody ("In 6. Delote node from beginning")
	nevall ("In 7. Delete from end");
	permy (" n 8. Delote from specified position").
_	penal (" (ng. Ent);
	peind 1 & Estle your choice");
	scanf ( " % de gelroice);
	switch (Choico)
	S Un mile to a high size
	Case 1: create ();
	break;
	Case 2: display();
	break;
	case 3: insert legin():
	belak; my man hala
	case 4: insert_end():
	beeak;
	case 5: insert pos();
	beeab.
	case 6: Antide legin();
	belak;
	case 7: detele_end();
-	Meak;
	case 8: delite-pos();
	belak;
	case 9: enit(0);
	break;
_	defaut : printp(" n wrong Choice");
	3
	Itun O;
	3
-	The state of the s
-	MARINE THE PROPERTY OF THE PRO

111

Miller

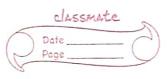
0.7

	word create()	
	37	
	struct node *temp, *pts;	
	temp = (struct node *) malloc (size of (struct node));	1.
	penty (" In Enter value for mode ");	
	scang ("1-d", 8 temp - info);	
	there is a second - Albert	1.
	U (start = = NULL)	
	3	
	Start = lemp;	
	y	
	else	
	S	
	Me = start;	
	while (ptx -) next (= NULD)	
	pote = pte - nent;	7
	pte ) next = temp; I i i have believe	
	3 - att politication	,
	3 Paris 1 10 a 2 a million to the the will all to	
	void display()	
	3 Calaba to Loute Can the Can the Land	
	stand node x pta;	
	if (start = = NULL)	)
	\$0 he = 11 he	
	peint ("\n Empty list!\n");	
	2 Millian;	
	else	
	fote = start;	
	perolf (" \n List elements are:\n"); while (pt != NUL) }	
	while (pt != NOLL)?	
	penall (4 / d"/ pts -) info);	
	gods = pts ment;	
1		- 1



void insert pos () 3
Struct male * pts, * temp;
Int I, pos;
temp= (struct node *) malke (sizet) (struct node)
petry ("wester position for new node:");
Scang (47.2, 8 pos);
pront (" In Entre value of mode")
scanf (" 1.d, & temp - info);
temp - next = NULL;
V (10S = =0)
temp - nent = start;
Start = temp
 else §
3 3000
temp=) hext = pts - next;
Ate -) next = temp;
3
3
void delote liegin () S
Stend node × pte;
is (start = = NULL)
be sould be use the Diet I so ?
provide (e Empty list! \n")
2 return;
else
5
pte = start;
Start = start - ment;
Start = start - ment;  pernel ("In Deleted element is: 1/2", pts - info);  zele (pts);
fell (pte);
1. y 9 1

=	noid delote end U ?
	3 stend node * pts , x temp;
1-	if (start = = NULL)
	B and
	peintl (" in Empty list");
-	enit (0);
<u></u>	7.
	else if (start-) ment ==NULL)
-	3 Inn a land to the
-	Ale = start;
	Start = NULL'
	nevall / " In Deloted element " 1.d", pte - into);
	fell (ple);
	30 -01-99
	else S
	ple = slast;
	While (pts -) next! = NULL)
	3 Charles and the second
	temp= pte;
	pte = pte -) neatt;
	3 '
	temp > next = NULL;  promy 14 Deleted element is: 1/d 4, pts -sinfo);  fele (pts);
	promy 14 Deleted element is: 1.d", pte -sinfo)
	feel (pts);
	3
	void delote pos() >
	int i, pos;
	struct node & temp, X Me;
	if (start == NULL)
	g (start == NO(C)  3 proof (" (n Empty list!"))  ent(o)
	ent(o)
	1 3
	else 9



heurth ( wenter the northing of mode \n");
pende ("venter the position of mode in"); scanf (" y.d", & pos);
if (pds == 0)
3
pts = start;
Start = Start -) Next;
herry In Doloted element is 1d. pte-info)
Jeel (He);
2
else 3
pt = start;
sas for (i-o; i < pos; i++)
3000
temp = pts;
 pts = pte - next;
If (Ple = = NULL)
 petul ("In Position not found ");
retuen;
 3
<u>y</u>
 penall (" Deleated element is 1.d", pti-info)
penall (" Deleated element is 1.d", pti-info)
 gee (ple)
   3 <sup>1</sup>   2
12.
9