DATE	
DS LAB Rakshitta.	6
1BM17CS0	4
7/12/202	0
#include (stdlib.h)	
#include Letting.h>	
struct node	
of the state of th	
int sem;	_
Steuct node *nent;	
4.	_
Ateust and the sale	
struct node + head = NULL; struct node + head 2 = NULL;	
int (=0;	
void Insect ()	
d.	
struct node * newnode:	
Steuct node + temp;	_
ent s.	_
peint ("Enter integer:");	_
sean(("1.d", &D);	
neunode = (struct node *) mallor (sized	_
(struct mode);	
newnode = sem = s;	
if Chead == NULL)	
 e e e e e e e e e e e e e e e e e e e	
newnode -> nest = NULL;	
head = newnode;	
prints C"first mode of linked list created	
n"):	
6++·	
9 /	_
else	_
d'	
temp=head;	
classmate PAGE PAGE	

while (temp-7 next!=NULL) temp-temp-neut; temp-Inent = newnode; newnode-Inent = NULL; print ("Node reated \n"); void Insert 2() steut node * neunode; steut node * temp; prints Contracte elements to create list print ("Enterinteges:\n"); scanf ("1.d", &s. newnode = (struct node +) malloc (Size of (struct node)). newhode - Jem 58. if Chead 2 = = NULL) newnode -> next = NVLL; bead 2 - new node; printl C'first node of linked list created (n") else temp=head 2;

	DATE	
	while (temp) nest!=NULL)	
	1	
	temp=temp-nent;	
	4	
	temp -> nent = newnode; newnode -> nent = NULL,	_
	newnode -> nent = NULL,	_
	C++	_
	prints ("Node created (n");	_
		_
	prints ("do you want to continue adding:	_
	Owl (n").	_
	Scan ("1.d", Ry); Juhile (y!=0);	_
	9 while (7!=0);	
	void bubbleSort ()	
	f Curdent (C)	
-	int swapped, ij	
	struct mode + ptil;	
d	steut node * 1 pti = NULL;	
	if (head = = NULL)	
	seturn;	_
	do	_
-	C	_
	swapped =0;	_
	ptil=head.	_
	while (pts/ -> nest! (pts)	_
	if (atri-) sem > sem > ptil-) neut ->	_
	if Cptil-) sem 7 Sem > ftil-) neut -)	_
	(sem	
	int to a a = atil-> Nem'	
	ptil - sem - ptil - sem;	
	etyl-) neut -) sem = temp;	
	swapped =1;	
	3 11 /	
	classmate PAGE	

boid leverse () sterret node + ruesent = head; Sterret mode * neut = NULL; while (wesent! = NULL) & nent = werent - nent; ruseent -) nent = peer; prev = weent; wellent = nent; head = plev; word concat() Struct node * pti. head = head 2; if Chead 2 == NVLI) head 2 - head; pti = head; nohile (pti-ment!=NVU)
pti=pti-ment:
pti-ment = head 2; Void display!() Stent node *pti; if (ptd==NULL) PAGE

DATE TO THE TOTAL
DATE
peint (C" Linked list in empty! \n");
.0.
alse.
while (pti ! = NVLL)
June of the second
peint(["./.d", ptr->sem);
1++
pti=pti-nest;
7
129
5
void display 2()
to the standart stre
struct node + pti; ptr = head 2;
int i = 1
il (pt/= = NVLL)
90.01
 peints ("Linked list is empty! \n");
y y
 else
P-la (otal = NVII)
6
print ("1.d", et -7 sem);
printh ("\n")
1++
pti = ptr -) nent;
2
1
i t a a i ()
int main ()
classmate PAGE
CIASSMALE

	DATE	
	int Maire and	
	int choice, pos;	
	p H (11) ml. genest node n2.	Sout
_	my. I made n4. ce	neat
	Prints ("\n1. Insert node\n2. node\n3. severse node\n4. ce	
·	2 lists \n5-exit \n");	;");
	scan ("In Enteryour choice);	
	scan ("I.d", & Mones,	
ī	switch (choice)	
÷		
-	casel;	
ī	Insert ();	-
:	beeak;	
-		
	Lose 2;	
	buldleSort ();	
-		
-	display ();	
	case3;	1
	severse ();	
	display(C);	
	beeak:	
	liseak: Case 4. Insert 20;	
	Insert 20;	
	Longat ();	
	display(O;	
	lacak:	
	The state of the s	
	ause 5	
	deedk.	
	default;	
	pint ("wlong choice!\n");	
	heeak.	
	1 /	
	3 while (choice!=5)	
	interest of	
	y classmate	
	4 classmate	PAGE