DS-Lab-8 linked list 7/12/12 # include < stdio. h> # include < stalib. h> int info;

struct node * link*;

3; type def Struct node * NODE;

NODE getrode C) NODE :x; X = (NODE) malloc (Size of (Struct node)); il fx = NULL exit (o);

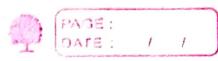
2 betsless met [" Living sehun x;

NODE insert-front (NODE first, int item) NODE temp; temp = get node (); Sulchin

```
temp = info = îtem;
     temp -> link = NULL;
if (first == NULL)
     return temp;

temp -> link = first;

first = temp;
     return first;
     NOOE delete rear (NODE first)
     if (first == NULL)
return first;
     if (first = link) == NULL)
     printf ("Fitem deleted is "od in";"
     free (first);
      return NULLing - Line 1
    prev = NULL;
Cur = first;
```



while (cur -> link] = NULL) prev 2 curi > link june printf (" item deleted at rearend is ".d", cur > "rfo); free (air); prev > link = NULL) return first; NODE order-list (NODE first) dint swapped ; i No DE ptr 1, 1ptr = NULL;

if (first == NULL = 1) return first do (JUM = Jumb) slide swapped = 0;

ptr = first;

while (ptr 1 -> link | 2 i ptr if (ptr2 -) info = ptr1 - link -> info

int temp = ptr 2 => info; ptr 1 -> info = ptr 1 -> link -> info; ptr 1 -> link -> info = temp. Swapped = 1; ptr 1 = ptr 1 > link is mal, cus + into); per - Tike - Albili while (swapped) return first) 1908 1 tone order-list (NEDE FROM) Void count (NODE fixt) Le l'interismapped l'éges étails NODE A temps 1 1 1 1 1 20 0 1 temp = first / == + 1/1 int c=0 Horizon where I while (tenp 1 = NULL) temp = temp -> link ; your control of the state of the st void list-search (NODE first, int key){ MODE templini - Provident temp = first;



int c=0, 1=0;) () niom but while (temp! = NULL) C++; 11011 111 1 3 9011 if (temp > info = = key) (print f ("searched unsuccessful, element post" /d 10", c) (t==0)
print f ("Search Unsuccessful!" word display (NODE first) NODE temp : 6 1. 11) of (first == NUCL) print f (" list empty cannot display for (temp = first; temp ! = NULL; temp = printf (" 1 d \n", temp > info);

int main () () - 5 to int item, choice, posti, ny wer NODE FIRST = NULL; ++0 for (isi) afair quest) printf ("1. insert-front 102. deleter rear 10 3. display 10 4 count items 105 search printf ("enter the choice 10"); Scan't (" 1/. d", 4 choice In"); sean of the (0-1) Switch (choice) 1 case 1: print flikinter the ? tem at front end in "); Scanf ("1.d" it item) in first = inscart = front (first item); tombreaking toil with case?! first = delete-rear first 1 Ulbreak ginst : text = anot 1 vo case 4: count (first); and case 5 inprint f ("Finter element to be searched: "); Scanf (" 1.d", 4 item);

	PAGE: 1 1
	break;
	Case C!
	first=order-list(first)
	breale:
	default ! exit (o);
	2
	2
	2
1	WHITE THE THE PROPERTY OF THE
1	
73-	* Visconia State of the Control of t
Ser :	The second of th
-	
7	La tenta de la constanta de la
	(Sulokhe)