Lab-8 # include cstdio.h> # include cstring.h) # include < malloc, h> # include < stable by Struct node int item; struct node *next; type def struct node * Node; Node get Moder Node x; X = (Node) malloc (sige of C Struct node)) Node & insert front (Node first int data)
X Z CN6 de mallor (Node new rode; new node = get Node (); new - nodo -) next = NULL. 2 return new noto.

Count + +;

frintf (66 / d \n2), temp 2 item);

Frintf (66 \n Number of Nodes

in the list circ

/ d \n 13, Count); vaid search (Nøde first, intdata) int fros=0

Nodo temp,

int i,

if (first == NULC)

Frintf (GList is ampty \n 2);

return;

3 for (temp = first, i = 0; lemp! = NCLL;
temp = temp > next / i+1) if (temp - tem = = data) printf (" Search Successfull (n"))

printf (" Element is found at

fosition V.d (n" post;

break; pos = 0;

aprinte (66 \n Search Unruccerrfull \n3)) vord Sort (Node first) prints (66 List is Emply 102); for Chode i = first; 1-1= NULL: i-i

Nend ofar Chodo j=1-) resol j | Null j=j if ((i) item) > (j-item)) t=i-) item;
i > item;
j > item=t;
y frients (66 to List jo assending order

int main () Node first = NULL; Node a = New LL; Node b = NULL; Node ans = NGL; int choice jual pos, o; hrint (" * * * Actions * * xx 10 3). print (66 1. Tosent front 100)

print (66 2. Delete end 10")

frint (66 3: Sort the lis A33) prints (64 Search for an element 1031). prints (65. Display the Count and list (p3-) frint (" In which action do yo warner furform ? In "). Scanf ("6 %. d ") d choire). frist (66 Enter the value to be inserted In ??). Scarf (%. do 2 d val)

first = insert front (first, val). first = delete end (first);

Sort (first) display (first); break; Care 4: frint ("Enter the number Searched (0)). Scant (66 % d 32, d 1); Search (first, n); break; frintp Cool of The elements are 100). while (choice 1 = 6);