Hinchide Letdio hs #include Letring. ht #inched & Lmath. h} #include & etclib-h) smuch node { typedef struct nede & NODE; NODE gethade() { return ~ ?? return 21, 3 NODE insert (NODE first, but settlen) { NODE no : n= gethocle() n => item = data; n => nest = NULL; if Chiret = = NULL) & return n;] n = ? next = first; firet = n; return first;?

NODE del (Node first) { Nedl prev, cur if (first : : PULL) { Printf(" & mpty m"); return first)} air : first while (cur -> nest! = NULC) { prev = cur; cur = ar -> noch; } Prev + nesot = NV LL; free (cor); return first; 3 void display (pode first) {
int count = 0; rode temp;
if (first = 2 NULL) { Prints (" Empty in"); } dor (temp = firet; femp! = NULL! temp: temp -> next) { Count ++; Printf ("De"), of In", temp ->item); }} Void search (Made first, int datass Int pos - 0; woode temp; int i if CHIRT == NULLS { printf (" Empty m"); return; ? for (temp = first, i=0; temp! =NULL; temp=temp= next, i++ [{ if (bend > ; tem = = datal { Pas = i+1; Prints (" Fount @ 1, d In", pas); break; 3 elee { por =0', 33 if (pos = = od & printf(" Dot found in"); 33 reaid sout (nede firets { int t; Dode temp; if (first = : NULL) & Privil ("Empty in"); greturn; for (Nade is first; i) = WILL; is i munt) { for (Node i = i-ruled; i! = Hull; i= j-> nearl) { 1 ((c-7) +em) 7 (5 -> i +en)) } t=i-ritem! t-riten: 3-riten; J-ritem = t; 333 points ("Ordered in"); }

int main () { Node firet = NULL; Made a : NUII; pade b: NULL, Noode aus: NULL' int ch, val, pos, n; Prints ("1. Insert In 2. Del In 3. Sout In 4. Search In G. Disp In 6. Call 8conf("1.d", 4 ch); First wall switch (ch) { Case 1: Prints ("Enter value 2"); Scanf(".1.d. + val); first= insert (first, val); break; (ose 2: first = deleber first); break! Case 3: sort (first); break; Cosen! prints!" No. tre search (h")'
search (h")'
search (first, h); break; Case 5: display (first); break; 33 while (chaire! - 6).]