Date Shown Murch dharan 18M19(5152 # include L staro.h) Finchede (tdhish) Struct node (int into; struct node & slink; struct node " llinh; } typedef & truct node * podE) NODE X; X = (NODE) malloc(size of (struct node)) if ar = NOLLSE printf(" Men full In"); esuit (of, 3 return st; 3 NODE ix (int ten, NODE head) [NODE tent, Cur tenp = getnodels temp->info=iten; (wr = head -> ltiuh! tem > think = (wr Cur -> rhints tamp; head & Wint = temp tenp > Think = head? return head ; ? NODE if (Int i ten, NODE head) { NODE temp, wit; temp or getwodely; temp-sinforiton an = head > logethinh; head -> phink = temp; temp > think = head; temp > think = (ur; cur) think - temp; return head; 3 NODE of (NODE head) NODE cur, west; if (head -> thinks = head) { prints (" emply in"); return head; } nest - Cur >phinte, head ->Think = nest; nest - think = head; (we head of r hinh MODE dr (NODE head) { NODE CW, PRV) if (head & rhink = head) { prints ("Empty") return head; }
(wr = head > Hink; prev = arrillink; head > ellink = prev; prev > 1 hink = head; Printfl"deleted 1. d m", cor->info); free (wirl return head)

NODE sear (NODE head, jut kg, lut I) { NODE eur, Preu, temp, int t=0, (=1) if (head + i link = head) & Protett supply "I return head 3 - Eur = head -> rloub; while (cur! = head) (if (my + info=z key) { f=1', break;} (wr=(wr-> flink; C++; } 1/(f==1 + + E==0){ . Prints (" falund at it d ", c); return head;] 1/ (+==) +4 7==1) { Prev= ar > Wink Printf(" left g il d = , kg); return head 3 NODE del-sim (intiten, PODE head) { NODE PROJUNT, next; but count; If I heard of & high : 2 head } & Drivite (" Empty"); between head jes (or con : head or link; while (cur! = head) { if (item! = cur-ringo) (ur = (ur -> rhink) C++; prev: cur > llinh; healt = llor - Thinky prev-> rlinh = hex next-> Physic = Prev fra (wrb) (we = next; 1) if ((==0) print("About"); return head; 3

void disp (NODE head) { NODE temp of (heading hint= = head) { Prints("empty"); return ;] tend = head > rlink; white (temp!: head) { Prints (" "Id", tempsingo; temp= temp= temp= 16" uh;) S void main () { head = getnodely, hed re live = head; head -> Wint = head? Printf("1. Tf 802. IR 3. DF n. DR 5. Search 6: IL 7. IR BDispa, Adams 10.0 Scarf (1.0 ; feb) switch (ch) ? Case I printf ("Iten"); scarof ("Ind" & itens); head = if (item, head); break; Case 2: prints (" Iten"), scort ("1.d", \$ itens) head > ir Citan, head); break; (ose 3: detter head = olf (head); break; Cose 4' head = dr (head); break; code 6; prints ('Search iten'); scoraf ("Id", fiten) head = sear (head, iten, o); break; Cose b: dieplay (head); break; default = esuit (0); 333