Singly linked list (insent delen) at include estdionsh # include < mallor. 45 Desuct node stend node \* NODE: NODE getnodel) NODE femp; Jemp = (NODE) malloc (Dizerg (Struct node)); if (temp == NULL) Return NULL; node (NODE void from node (NODE some) 3 pao (temp). NODE insest from ( NODE first) print ( " Ender number \ n4).

Scarf ( "1.d(4, knew).

NOBE temp;

Jump. = getnode();

temp + info = num' semp - next = NULL; (first==NUCL) sefan temp; temp -> next = first return first NODE insert seas ( NO 05 /18st) Print (" Enter the number In"). scanf (U-1 dly knum) NOBE CUM, temp; Jemp - got node 1); temp->, hope= num; temp -> next = vall. if (first==NULL) return temp CUBS = fixed; while (coep-) next 1= NULL) CULL = CUSE > next; return first. NODE inscripos (NO PE first, int los) Camin Page

ist nom. print (ugues num n"). scarf (4.1 of1) beguns, WODE temp cuss, pres, temp = get nodel); temps in 10 = Nom Jemp? next = NULL if (pos== 100 pt) seturn semp; prev= NULL while Gurs! = NULL) if ( coost == pos) ( break; Prev= cus; CUM = CUM -> next. court ++; ( (USS = = NULL) pf ("Entered pos > length \n").

setwa first; Jemp > rest = prev -> next.

prev -> next = temp;

return first; clisplay ( NUDE filst) if (fist == NUCC). Camlin Page

E of ("List is empty In").

seturn. Print (4-1-d4, cuss-) info) NODE deletiport (NODE (1801) NODE CORP. (STORE - LANGE S) if (fixot == NULL) Print ("(ist is empty Inu), setum first if ( frost -> next == NULL) print ("Del element = 1 di first - Dife) Jacenode (jirst). CUSS - first. protect (" Deletement = 1.d in ", first =) ings) seturn curry Samlin Page

NODE deleteres (NODE jisst) NODE CUHS; of ( n List empty In 11). of (first-sneet=- NUECC)

E of (1) Deleted element = 1. d in 4, first-single). CUM = finst CUAS = CUAS-) NPICT. of Capel elements of d 1 nu, first > info); greenoide Gilst). wode deleterar ( NODE first) NODE CUST, PREV - NULL. if ( 1/1/1/2 = 2 NULC) scturn first. if (first -> next = wull) free node (jist).

geturn NULL. Samlin Page

CUM = filest while (cuss->nex-1 1 = NULL) of (4 Deleted ele= /d/s/gcuss sife) frænode (corr).

geturn first. NODE delete pos (NODE first, int pos) NODE OUR, PREN. y (first== NOUS setus gisst. int (ourt = 1) Pf ("Del glement = 1.d/n"/ fint >1/go), COBS = CUST > Next. while ( curs! = NULL) if (cost ==pos) prev = curr Camlin Page

count ++ if ( COSS==NULL) sestion first; prev-> neut = coss-> next.

of Cupel element = 1. d ln ", coss > 1/50);

Jasanodo (coss); int manh () I this store I int ch; int pos; While (1) M(" 1-> insertpening - insert seas to 3 insertpers In 4. deletessour 1 n 5. delete geas In 6. delete pos (n 7- disp | n 8- Px1+ 1) Scarf (4.1. d4, A(h)) (ase 1: first = insest port (first) Mann stand break; case 2: first = inserts eas (first) (ase 3: pf (" Fater pos to insert (a);

Scanf ("-1.d", be pos);

firs. += insert pos (first, pos) Samlin Page

break;

ape 4: first = deleterear (first);

ane 5: first = deleterear (first); Cose 6: of (" Fotos pos"); Scang ("1.d", b pos (1); first = delete pos Cfirst, pos). (ose 7: display (first); Case 8: setuan 0; break, - 3000 x show have phospic of the E.