Minebide KStdio. 12 Hindude (maure) Smet note int data; Struct node * next? 40 * start = NULL; node Struck * create 11 (Street node +); Struct node * display (street node +); nade Struct + insert beg (struct node *); Struct node * insert end (Stouct node #); Struct pale +PARcit before (Struct nose+); SHUCE node tringert-ofter (Stourt node +); start node -t delote beg (Struct note +); churt node A delete end (Stouct node t); gruct node * delete nede (Smuch mode 4)? Struct note of delak after (struct note +); Struct noch * delete 1884 (Street node to); Struct node A Sort list (Struct node +); Shurt Dade Ent main() int chorce; Prov. f (" 104++ menu+++) 11 1-create a litt 1+2.del

lay It solment begit 4 incert and It so investige

115

printy (" let. dol. big \t 8. dol end \t 9. Ad. note
16 10. dol-after \t 11. dol- big \t 8. dol end \t 9. Ad. note
\t 13. esat \n");

do

printf("Inenter the Choice:"); scanf ("y.d", &choice); switch (choice)

printf ("Inynked list created")

break

cace2: Start = desproy (Start);
breat;

cans: Start-Injert-beg (Start):

coses : start = inject end(start):

break?

break;

break?

can 8: Start = delete: end (Start): cang: start=duet soulstand Cax 10: Store = delete after (Grant). conell: Stort delete List (Story) break? Coyc12: Stout = Sort- 43+ (Stant) break : Grahite (charce 1=13)3 retween o; Struct node + creat_11 (Struct node # Stant) Street node + new nade, + ptr ? snot num? print+ ("Inenter -1 to end") 3 Point+ ("Inensor the data: "); scanf ("1d" frum)? while (nam 1 = -1) new-node = (chrust nod +) nouve (sque)

Struct node);

new-node -> data = num! (+ (Start = = NOLL) new-node -> next = NOLL; Start = new note; 2 elic. pto -stayt; white Epto -> nent IN = NOW pr=pr->nents ptrto nent: new-node: new node > never = NULL? 3 printf (" Intenter the data: "); scary ["/d", I num); 3 4 & return stout ? Struct node + display (Stouct node & start) Struct node & Pto3 ptr = Start; while CATTIENULU

·print (" It 1d", pri sdata); pro= ptr >nents Yetwen Stort ; 4. Struct node + injurit beg (Struct node + stood) Street node & new-node? int num: print (menter the douta "); scanf ("1d', (num)? new-node- (Struct node+) mallor (Syeof Chrust node); new_note > doto = num? new mode > next = start; Stort = new-node John Start? Street node timeset and Cotourt node to hast Struct node + new node, +prog int num; minto (" Inenter the data : ")? ant (" 1/2" | lnum);

new-node = (stouct nodet) maller (specy (source node))9 new rode ->data - num; new node -> new - NOW Pt - Start it (Start == NULL). Start - new-node; chre "notice Coto sment 1 = NUCC) pto = ptopent? por-> next = new-node? retwin Start? struct node & insert before (Struct node & Start) Struct node + new - node, * pto , toprepty; In num, voil; fort ("Inenter the data: "); sant (rd' & num): port ("Inenter the value before which data box to be invested ? ");

scarp ("xd" & val) new node = (Strut node +) mana (Specy) new-node >data= num? pr=start; While Cptr >data != val) preptr = pto pto = pto -> nento 4 prepar > nent = new-node; new node > next = px? return Start? Street node + insert after Cstruct nod + stoot Struct node there made & ptr, & preptos int num vali printf(" In enter the data :"); Scoure (" r. d' Sneem); points ("toenter the cealer afterwhich data how to be governed"); xant ("Vd", firel); new node = (Struct node &) native (Speet S ruct node !;

new node 5 data - rum? pty = start? mcpts = Pts; jobile [preprio) dara j= val Prepro = pto; pto = pro-snent; 21 prepto + nent = new-node rende so ment : pto; Viturn Staut; struct node 4 delete-beg (Struct node Astart) Struct node & poor; Pto= Start? Start= Stood Inent? fru (Ptr); Jeturn Start Stude node + delete ent (Smuch mode + start) Street node +pro, +prepris DN = Start; while (por > Nent : DOLL)

PILPIK PIKZ per: per-> runt prepr -> new = NULL tru (pr) return Start; Struct note # delete node (Struct node +stant) Struct node *pt, *prpm; ent ral: prints (" Inenter the value to be deleted: "); scary ("1d" & val); ptr = Start; it (pr >dara== me) Staut = Lelete big (Start) return Story while (pr >data : Nal DATE Date 3

DA= BUSUNT prepar -> nent par-> nent; free CPM) getuen sport? nade Adolete after (skuct note + start) soruct note * pto, * prepto; int rals pront (" In epter the traduc of the which the node has to be deleted ")? escant ("Yd", fral); ptr = starty prepor = por ; while (prepar > data = val) briby = bus pr-pr->nent? prepa - rent propert recepos!

return stant?

source to charte lest Connect mode to change Shuct node toping 1 CHAULT = NULL PAT = Start 3 while (ptr != NULL) printf (" 1.d 18 deleted in "), ptr - Note Start delote beg (pr) por-Start? Tetrem Start? Struct node + sort ligt (struct node + stant) Smut pod +pr/ *pr/23 Int temps propostant? while (ptris rent 1= DULU) DAS= DAI -> LOURS while Cpopy-NULL

if (ptr1 > data > pro > data)

funp = ptr1 -> data;

ptr1 > data = ptr2 > dota;

ptr2 > desta = temp;

y

Pto2 = Pto2 - nent?

pro1=pro1 > nest;

arsprony (stort);