Lab 8:-Hindude < Stdio-h> # include < stdlib.h> stewet node int info; Struct node. * link; typedel stewet mode *NODE; NODE getnode () NODE X; x = (NODE) malloc (size of (stewart note)); if (x== NULL) printf ("memory full"); exit (o); seturn vi NODE insert-front (NODE first, int item temp = get node (); temp - into = item; temp - link = NULL; if (first == NULL) return temp;

temp - link 2 first; first = femp; return forst; NODE delete- rear (NODE forit) NODE cur, prens if (first = NULL) points (" list is empty cannot delete (n"); return frut; if (first > link == NULL) paint (4 item deleted is % d/n 4 farit -> info free (first) return NVILI New = NULL; Cur = fort while (cur -) link /2 0 NULL) May = cur; Cur = Cur - link; print (" i tem deted at vegs end is 1.", free (car);

prev- link = NULLY octurn ford; NODE Order-list (NODE first) int swapped, ij NODE ptr1, lptr=NULL;

if (first == NULL)

return first; do Swapped = 0; while (ptrs - link != |ptr) int temp = ptr 1 - info; ptr1 - info = ptr 1 - link -> ptr 1=ptr 1 - link lpte = ptr 1; seturn filet;

Void count (NODE funt) } while (temp) = NUI /a Number of elements: "Id m", c arcy(NODE first jint key) temp = forit, fort C=0, f=0: while (temp) = NULL) temp tinfo == > search succenful, element position of diff, c). 4 Search Unsuccenful (n4); void display (NODE first)

NODE temp; if (first == NULL) print (" list empty commet display (n")"

for (temp = first; temp! = Nul; temps temp printf (4% d/n , temp - info); int item, choice, posici, n NODE first = NULL point (4 1. invert - front la 2 delete _ rear /n 3. display In 5. Draerch (n 6- Order (n 4) print f b' Enter choice (n4). Sconf ("1.d", & choice); Case 1: printf (H Enter item at front end in); Scanf (4%, d4, litem), first = intfront (first, item);

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Care 2: first = delete - rear (first); Care 4: de count (forit); Care 5: print (* Flement to be Sconf ("/d", Sitem);
list_rearch (tiret, item); Care 6: Miller Wort (first); default : enit (0);