if (em > info == key)? Cur = cur > r link; if (f==144 z==0) { print f ("Search successful, found at index %-d 10", c); return head) what I from them deleted if (f==144 ===1) { prer = cur > llink; printf ("Enter towards left of "od = ", key); temp = get node (); Scanfo(1/1 d'if temp -> info), prev - Alink = temp, temp -> llink = prev; Cu -> llink - temp; temp > rlink = cur; return head; if (f==1 4 & z==2) {

Double linked list # include Zstalio.h> # include < Stalibity Struct node int info; Strict node * rlink; strict node * llink; type def struct node * NODE; DNODE get node () { MODEX, X = (NODE) malloc (size of (smuct # if (z== NULL) printf (" Memory full \n"); Nope dinsert - rear (int item, No DE head) a NODE temp, cur;

while (temp! = head) printf ("% d", temp > info); temp = temp => rlink; gprintf("\n"); Yord main () & NODE head, last; int item, choice; head = getnode (); head - rlink = head; head > llink = head; for (';') & paint ("Enter choice: In1. Insert & front In 2. Delete front In 3. Insurt rear 174. Delete real In 5. Simple search In 6. Insert left of key In 8. Delease all occurences
of key In 9. Display In -Any other key to ext -- In")

(Sulskha)

switch (choice) {

case 1: print f ("Enter the item at

front end in"):

Scan f ("1.d", 6:tem);

head = dinsert-front (item, head); case 3: printf ("enter the item at rear end in"); scanf (".1.d", fiten);
head = dinsert - real (sitem, head);
break;
case 2:
head = d delete - front (head);
break; break;

case 4:

head = d deletete - rare (head);

break

case 5: print f ("Enter Key In");

Scan f (!d", fitem);

head = Isearch (head, item 1);

break;

case 7: print f ("Enter Ley In");

Scanf ("% d", 4 item);

head = Gode T scarch (head, item; 2);

head = Gode T scarch (head, item; 2); break;

next = cus > r link; prex -> & link = next; next > link = prev; free (aur); cur (cur), cur = next; if (count == 0) printf ("key not found in"); printf ("Key found at 10 d post" & delebed (1111; count); return head; troid display (NODE head). NODE temp; if Chead -> r link == head) printf ("dq empty \n"); refurn; printf (" confents of dg 10"); temp = head -> r link;

prev = cur, cur = cur > link; printf ("Enter towards right of ". d= ray); temp = get no de (); Scanf ("1/.d", & temp > info); Prex > rlink = temp; temp > llink = per prer; Cur -> llink = temp; return head; printf (" sealch unsuccessful 10"); NODE delete-all-key (int. item, NODE head NODE prev, cur, next; if (head > rlink = = head) printf ("list Empty \n");
return head; count ++ + prev = cur -> llink;

NODE cur, prev; if (head > slink == head) print f (" dq empty \n")
retur head; Cur = head > llink; prev = cur -> (link; head >> I link = prev; prev > rlink = bead; print f ("The Ptem deleted is "od In", cur > info); free (cur); return head; NODE Olsearch (NODE head, int key, int z) (NODE cur, prev, temp; int f=0, c=1; if (head -> xlink = = head) printf (" list empty 1n"); return head; (Sulckhill)

temp -> info = item, Cur = head -> Alink; head -> rlink = temp, temp > llink = head; temp - & link = cur, cur -> llink - temp; return head; NODE ddelete-front (NODE head) NODE cur, next; If (head > rlink == head) printf("dg empty In"); return head; cur = head -> slink; next = cur > & link; head > rlink = next; next -> llink = head; printf (" the item deleted is 4.dm")
to free (cur); 3 return head; NODE ddelete- rear (NODE head)