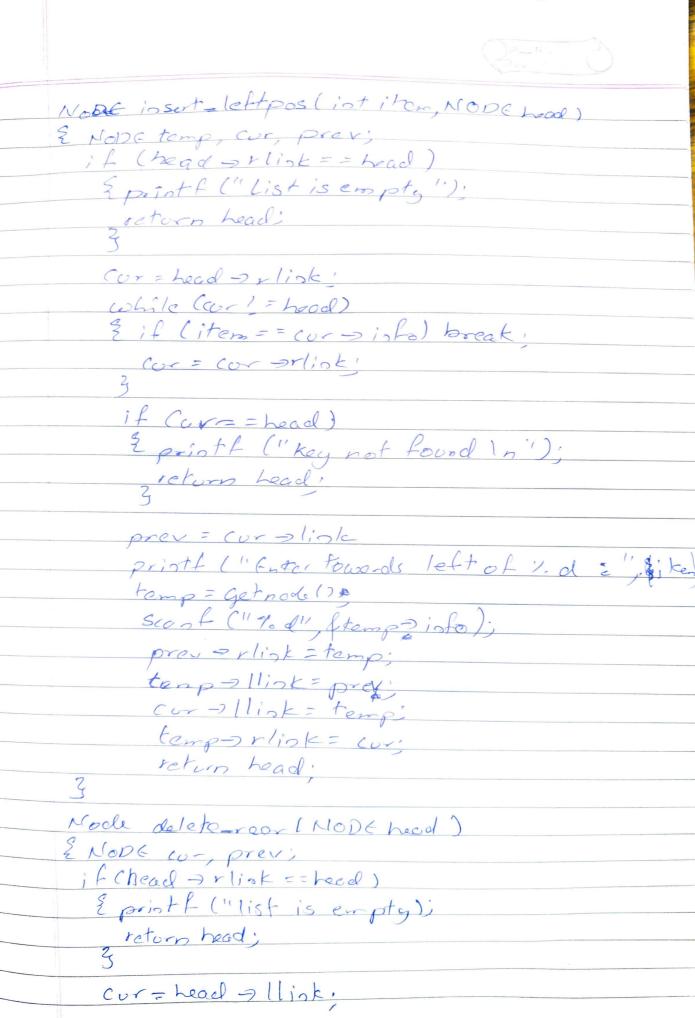
Date - 14/12/2020 None: S Skorda USN : IBMIGCS137 # includes stdio.h # include cstallib.h #include eprocess.h> struct rock Eint info! Struct node +rlink, *Tlink; typedot stoud no de *NODE. NODE getnode () E MODER! x = (NODE) malloc (Size (Struct node)); if (== = MULL). E print [I'memory full\n"); Mode insert-rear (NODE head, int item) NODE temp, cor; temp = getrode (); Europ Drlink = temp - Mink = NULL temp Disto - item; cor= head - link! head-link - temp temporlink = hood; hood - info = head - info+1; return head;



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Prex = curollink
head - link = prey;
 prev rlink = head;
 printh ("The nacle deleted is "od In", corriota);
 Localetan);
  Free (corl'
 return head;
MODE delete all key (int item, NODE head)
E NODE prex, cor, next!
  int coust.
   if (head = rlisk = = Lead)
    { printf ("list is empty");
    return head;
(Bunt = 0)
(or = head Drlink;
while (cor! = head)
Sif (ikem!=(or ) into)
 Cor= Cor > rlink'
Ecount ++'
prev= cur ollinki
 next = (ur -orlink)
 prev - rlink - next;
  next Ilink = prex;
  Free (vor);
Cor=next
 if (count = = 0)
   printf ("key not found");
```



printf (key found at % of position and is deleted In", (ount); void display (MODE head) ENODE temp; if (head - orlist = head) { printf ("list dent empty"); for (temp=head rlink; temp=head; temp=temp=rlink) print f ("%d In", temp > infod; void mais () int item, choice, key; MODE head - items Load = getnocle (); hoad orlink = hoad ollink = head; for (;;) Eprint f ("In Linsort 20 insert left 3 display fackletekey

5 delete 6 exit ("); printf ("Enter your choice"); Scanf ("%d", & choice); Switch (choice) ? case 1: printf("Entor the item :"); sconf (" Y.d", fitem); head = insert_rear (head, item); break case 2; printf ("Forter the key item); 3canf ("% d", &itam); head = insert-left polhecol, item); break;

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Case 3: clisplay (head);
break;
(ase 4: printf(" Enter the key item:");
         Scanf ("". d', fitem);
head = deleke-all-key (item, head);
         brook;
Case 5: head = delete-reor (head);
          break;
 default: exit (0)
         break;
```