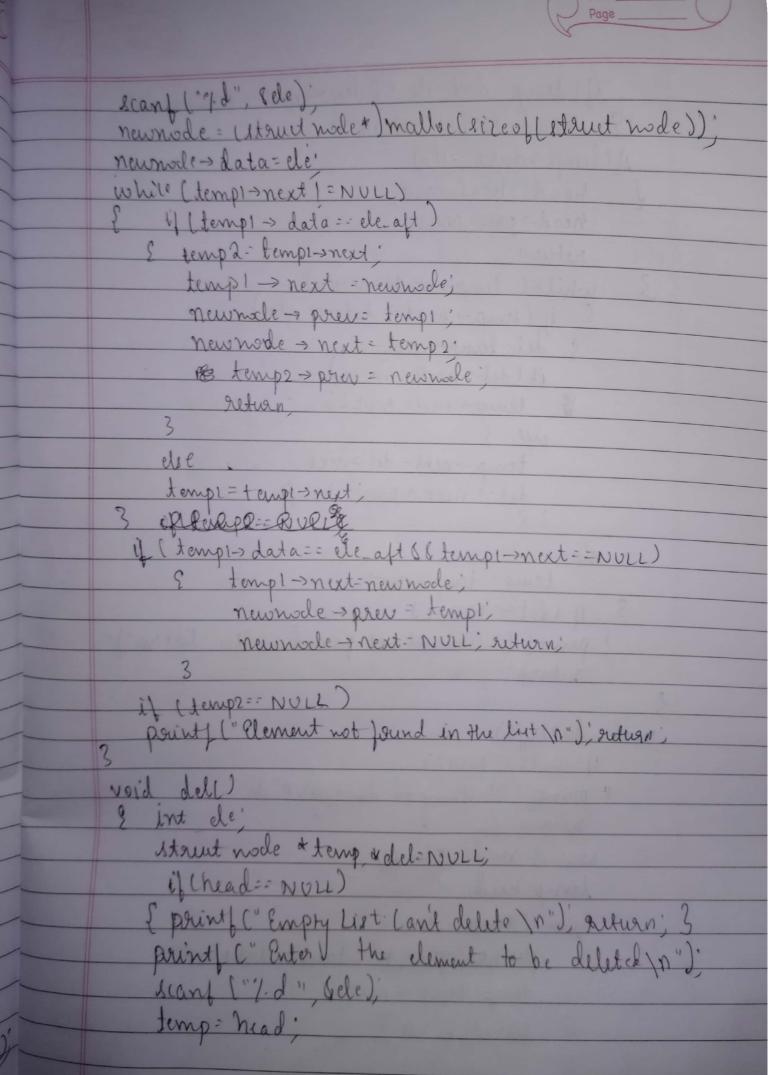
ADITHI GURMAJI 1BM19C8005 Lab-9. #indude/stdio.h) #include & Adlib. h) Struct mode E int data; Wrut node Anext; Struct mode * prev; 3: Staut node & head= NULL; void creater) street node *new-node, * temp; new mode = (Struct mode *) mallo e(size of (struct mode)) point (" Enter the istem m") Scanf ("of. d", & new-node data); newnode mext=NULL New-wode -> prev: NULL; if Chead = 2 NULL) head : new node; else E temp: head while (temp = next |= NULL) temp-temp-snext; temp=>next=neumode; neumde - prev = temp; void linsent left (Struct mode & newwoode, & temp! * temp?= NVLL; tempi=ned; int de de bef; paint (" Enter the dement before which data has to be inverted \n"] scampliof.d", belesel); parint (" Enter the element which has to be inserted)n'

sland ("of.d" & ele);
if tempt data fele bef y tempt - perex = new sole; new york = next neumde = (struct node *) mallo (size of (struct node)). newnode > data = ele; if (templ > data == ele-bef) { templ=> Prev: newwode; newhode > next = temp1; new mode > prev = NULL; head= newwode; 3 while (templ-s next 1= NULL) 9 if [templ -> next -> data == ele_bef) temp2= temp1 > next; tempi - next = newnode; newwode -> prev=tempi; newnode = next = temp2; temp2 - prev=newmode. return' - tempi = tempi > next; if (temp2==NULL) printfl "Element is not found in the list m"); seturn vood inscraight () stand Insde *now usde, * temp! * temp2 = NULL temp1 = head; int de, ele-aft printf ("Enter the element after which the data has to be inserted: "); scantlifed, Sele-aft); print ! " Enter the element which has to be inverted in



i) (temp > dat= ele 88 temp > next == NULL & head-NULL; return; 5 if I temp -> data == ele) head - head next! head > prev= NULL; return; while (temp=>next1=NULL) & i) (temp -> next -> data == ele) & del- temp-next; it ldel-> next == NULL) & temp=> next= NVLL' temp = next = del = next; del -> next -> prev - temp. temp= temp> next; 1) (del= NULL) E print f (" Element not found in the list in"). void display() of Cheed == NULL 2 prints ("Nothing to diplay \n"); stand mode + temp temp= head; while (temp 1= NVL L) E print] ("/d) +", temps data) temp: temp > next; 3 print ("In")

int maine) int chrice ; while (1) Print ("1. Create \1") print (" J. Insert to the left of an element \n").

Print (" J. Insert to the left of an element \n").

Print (" 4. Delete \n") print (" 6. Exit (n") print ("Enter your chaice \n").

scanf ("/, d" & durice).

switch (choice) case !! create(); brusk; case 2! insert left (); briak; case 3: insert_right(); break; case 4: del C'hrak case 5: displayer; break; default: print ("Warng choice \n") Scanned with CamScanner