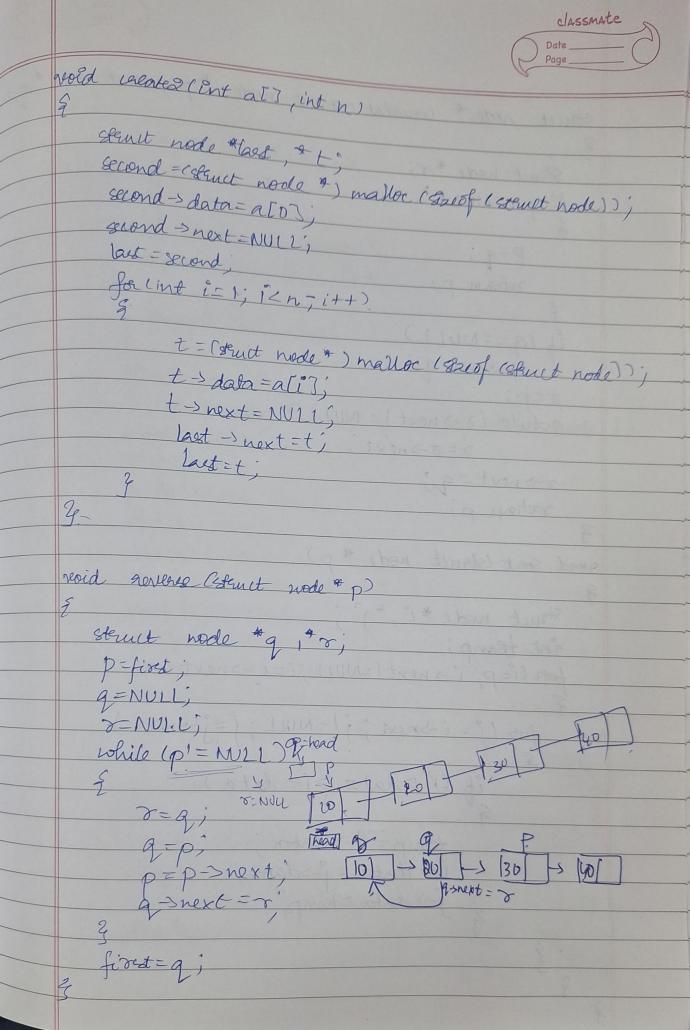
25/1/24 LAB-6 #include stato. h> #inlude (stalib.h) Struct mode int data; Struct node * next; 3 feort = NULL, *second=NULL) roid digslay (struct node * s) | 2 rint (" % of) t" (s -> data); word caenter (int a [], int n) Struct node * last, *to, first = (sternet node *) maller (size of (sternet node)) first > data = a [0]; first > next = NULL; Kast = first, for lint i=1; (<n; i7+) 2=(struct node *) mallor (sixe of (struct node)) t->data=a[i] to next = NULL; Last -> noxt = t; Cast = t;



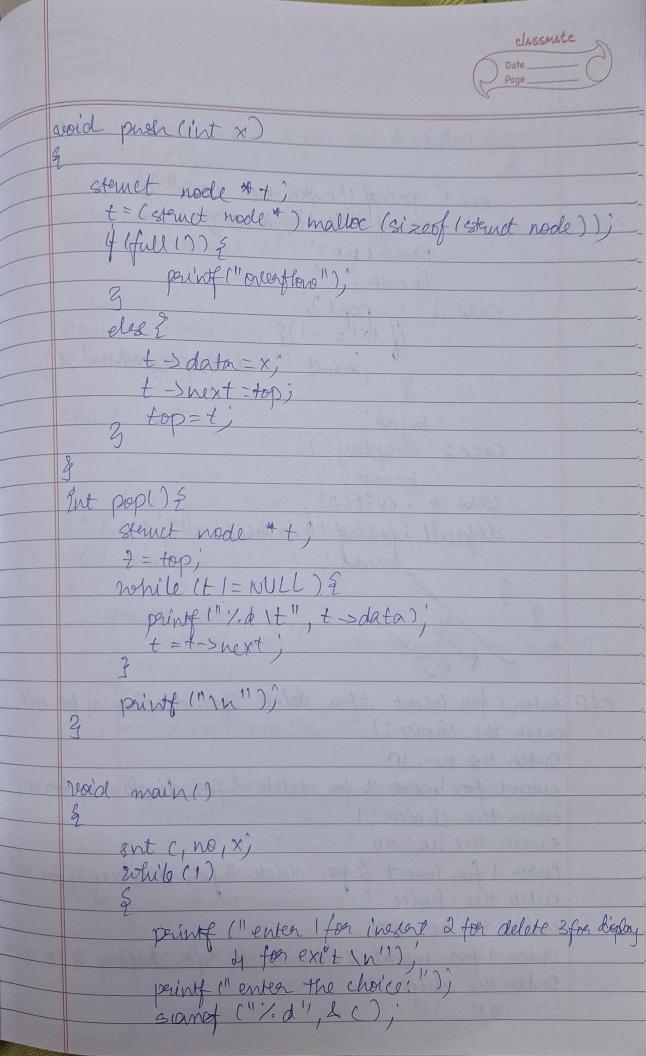
Struct node * concalat extend node * p, struct node . Stant node + Ti if (P == NULL) refran pi Ef (q==NULL) velva gi while (or > next | = NULL) 2= 2-> next; r-> next=q; roid sort (struct node # p) Struct nøde * i, * j"; for (i=p; i-> next |= NUII; i=i-> next) for 1 = i >next; jl-NULL; j=j-snext) if (i > data > j > data) temp=i->data; 2 j-> data = temp

classmate gold main () int a[107, b[10], nl, na; gaint ("enter n:"); paint ("enter the values"); for lint i=0; i < n1; i++) Scanf ("Tod", &a[i]) Stemet node of Si S=(struct node *) malloc (size of Cotant node)) create (a, n1); Sort (first); printf ("sorted list"); Lisplay (first), reverse (first) printf I'' n reversed list"); display (first); print ("I'nenter n: "); seary (" (od", & na); paint (renter the values')); for lint i=0; (<n2;i++) Seant [" 2. d" fb []) Created (b,n 2) display/second); S= concatat (first, second) display(S),

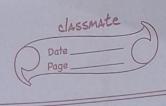
Openter n:5 enter the realnes 9 5 73 1 Sorted list 13 5 79 newersed list 9753 enter n: dy enter the valeurs 3 2 6 5 3 2 6 5 concatebed. 9 7 5 3 13 2 6 5 . 11Stack #include <stdio. h #include <stdlib. h) struct mode int dator) Efenct node * Next; int empty 1) { 2+ (top==NULL) getnern 1) gent full () stemet mode * t f= (stemet node *) malloc (size of (stemet node)) if (t=NVLL)

setnem 1;

setnem 0;



Sneitch (c) case! print["enter the no! "] Seant (11/2 d1, 2 no) pushing x = pop() balak; enter 1 for insert afor delete 3 for display of for exit enter the choice;) Enter the no: 10 enten 1 for insent 2 for delete 3 for display of for exit enter the shorice: enter the no : 20 Enter I for insert 2 for dolete 3 for display of for ext enter the choice! enter the no. 30 enten I for insert & for delete 3 for display of foren's



enter I for insent a for delete 3 for display of exit enter the choice: 3 30 is popped enter 1 for insert 2 for delete 3 for display of for exit 3 Manere #Include Stdio. h> # include <Stalib. h> struct node int data; struct wedle *next; 3 * front = NULL, * nova = NULL, roid enquellint x) exauct node * t ' t = (struct hode *) mallor (size of (struct node)) if (t==NULL) print ("oreenflow "); t->next=BULL; front = geagn = t; else 5 geagn -> next=t;

ent degnerre() printe ("underflow");
action x) int (, no, x)
while (1)

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perint ("enter 1 for insert 2 for delete 3 for displan of for exit m') paint (" enter the shoice! "); scand 111/rd1, 40); smitch(c) Call 1' perint ("enter the no! ") sant 1"/00", 2 no) enqueque (no); (are 2 x = degreere ()) if (x1=-1){ q printf (" 1. d is popped. In", x break; case 3: display () caes of exit(0); default paint ("Frealid \h") balak; enten 1 for insent 2 for delete 3 for display of for exit enter the choice! enter the no: 10 enter I for insert & for delete 3 for display of for exit enter the choice: 1 enter I for insert 2 for delete 3 for display of for ext enter the choice:

enter the no: 30 enter 1 for insert 2 for delete 3 for display 4 fore Enter 1 for inexert & for delete 3 for display by for ex 10 is popped enter I for insent a for delete 3 for display of for exit