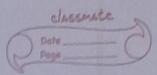
classmate week y 11/24 Il circular quene. #Include stdio. hs #include <adltb. h> #define max 10 int reas = -1; int fecont = -1; int glmaxz ont right 1) 8/ (front = a east) // fuont == 0 && seas == max - 1)
action 1; int is empty 1) 2 1 facent == -1 28 geor == -1) void enqueue (int x) 27 (icful()) print ("overflow \t"); else of (feront == -128 accor == -1) feront=0; acaa = (acaa +1) /max; gtaeaa]=x;

int dequeue () Int ralue -- 1; if (is empty ()) Printf ("undorflowert") althorn-1; Chent = account 11 facut of & realul = g [faont]; front=Coferent + 1)? max; seturn value; reoid display() printf ("underflore tt"); paint ("dements ane:")"

for (2= favont; c) = gener; 2= (2+1); max)



word main () Ent C, no, x; 20hile (1) Prents I" enter I for Encert 2 for delete 3 for deplay & for exit in"); paintf " enter the choice !!!); search (10% d11, &c); Sweitch (c) enter the court of the new 2 for colore 3 for 18 pic case 1's printf 1" enter the no: "); Sant 1"%d", Lnoi; enquene (no) bacak; Care 2: 2= dequeque 1); if (or | = -1) printf ("/d is papped in', x) bacak; case 3: display (); break; Case of: exit (0); default: paintf (" invalid \ui'); break; it was about to the

autput enter I for inscrit afour delite 3 for display of for exit enter the choice:1 enter the no:10 enter 1 for ineart 2 for delete 3 for display of for exit enter the diace of enter the noiso enter I for insent 2 for delete 3 for display 4 for exit enter the thoice: 3
elements are: 10 20 enter 1 for Erect & for delete 3 for display of free to enter the Unoice: 3 enter the Choice: 2 10 is popped enter i for enert 2 for delete 3 for display of for exit enser the charce: 2 20 is papped. enter 1 for inevert 2 for delete 3 for display of for exct enter the choice: 2 underflow enter 1 for insert I for delete 3 for display of for exct enter the choice: A nlinked list (2N) MAN ON ON #include <stdio.n> #include <stdleb. hs # define max 10 Int a (max); LANGE int front = +; use 3: displant! int near struct noole 2 int data; is men " Hijar it made Steuct node *next; 3 * first = NULL; good ensent (sterrect node ** p, int pos, int no)

```
Struct node * t , "temp;
     2 = (struct node *) malloc (sixe of (struct node)),
     t -> data=no;
      Sternet node * temp = * p;
      for Coint 2°=1; 1° < pos 22 (p)=NULL); i++)

lemp= lemp->next;
      to next = semp -> next,
      tamp > next = ?
lead display (struct male * p)
   paints (" elements are: ");
    perint (" >d) t", p > data );
roid main D. His E words & there I was to
            Pennembe age 15 11 12 man 1200
   int (,n,P)
     printf ("enter 1. insent & display 3. exit");
```

painty ("enter the choice!"); scanf (" /d ", d c); Switch(1) scary (" " sed sed", &p, &n); inelat (& fixet p, n) break, case 8: display (first); break, case 3: exition; default: printf ("invalid input;").
break enter 1 - insert a display 3. exit enter the choice!) enter the pos and number: 0 11 enter 1 insert 2. display 3 exit enter the choice: 1 Engly the pos and number: 1 12 enter 1. insert 2. display 3. exit enter the choice: 8 Clements are: 11 12 enter tinsert & display 3. exit enter the choice; enter the pos and number: 0 13 enter 1. insert 2. display 3. exit exta the choice; 2 elements are: 13 11 12 enter Tinsert 2 display 3 exit anter the choice; 3.