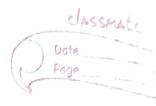
Dequine. # include (ctdio. h) #include Estalib.h #dufine quize 3. Int f=0, r=-1; int item, q[10]; int isfull () \$ return (8== qsize -1)? 1:0; int isempty () outwer (f77) ? 1:0; void insert rear () & if (isfull()) ? printf ("Quire overflow In")?, x= x+1; g[r] = item; void delete-front () if (isempty ()) print ("Que is empty In") outurn, printf ("Item deleted is /d/n", 9, [++1];

classmate

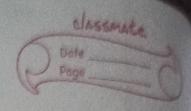
classmate if(f 7 x1) E f=0; 2 × =-1; void Insert front () it (+1=0) & f = f-1; act] = item; outurn; alse if (Cf == 0) && (r == -1)) q[++x] = item; outwin; ulse printf ("Insution at front und is not possible void delete-sear () if (isempty ()) printf (" Hem Quiu is empty lu"); printf ("Item deloted is/d In", q[r--]); (+7m) & 1=0; 4



void display () int i, if (isempty ()) & print ("Quie is empty (n")) ruturn; paintf ("Contents of the queue;"); for (i= f ", i < = x ', i + +) printf (4º%d4, g[i]); pointf ("\n"); void main () int choice; for ('j') printf (") n1. insutriar 2. insert front 3. delite-reas, 4. delete-front 5. display 6. exit \n "); pointf ("Enter choice""); scanf ("%d", & choice); ewitch (choice) case!: printf ("Enter the item: "); scarf (4 of da, & item);

breat;

classmate case 2: point ("Enter the Hem: "); scanf (" / d", & choice); insert - front (); bourt; case 3: delete-reas(1) bruak's case S: display (); break; default: exit (0); putput i insutrear 2. insert front 3. delete rear Enter choice ifem: 10. 1. injut-rear 2. injust-front 3. duleternas 4. delete front 5. display 6. exit Enter choice: 1 Enter the item! 20. I.IR 2. IF 3) DR 4) DF s. display 6. exit Enter Choice: 1 Enter the item! 30.



1. IR 2. IF 3. DR 4. DF 5. dupleyer Enter choice: 1 Enter the item: 40 Queue overflow.

Enter the item: 5

Insution at front end is not possible

1. JR 2. JF 3. DR 4. DF S-display 6 existentes choice: 5

Contents of the gume: 10 20 30

1. IR 2. IF 3. DR 4. DF S. display 6.ex Enter Choice: 4 Item deleted: 10

1.IR 2.IF 3. DR 4. DF S. display 6.00 Enter choice: 3 Item deletted is 30.

1. IR 2. IF 3. DR 4. DF 5. display c. evit Enter Choice: 2 Enter the item: 25.

08 ! mati with



, IR 2. IF 3. DR 4. DF 5. display 6 wit entu choice: 5. contents of the queue: 25 20. TR 2. IF 3. DR 4. DF 5. display 6 unit Enter choice: 3 I tem deleted is 20. I. IR 2. IF 3. DR 4. DF 5. diplay 6. exit Enter choice: 4 I tem deletted is 25 I.IR 2. IF 3. DR U. DF 5. display 6. exit Enter choice: 5 Quell i's empty. 1.IR 2.IF 3.DR 4.DF 5. display 6. exit enter choice: 6.