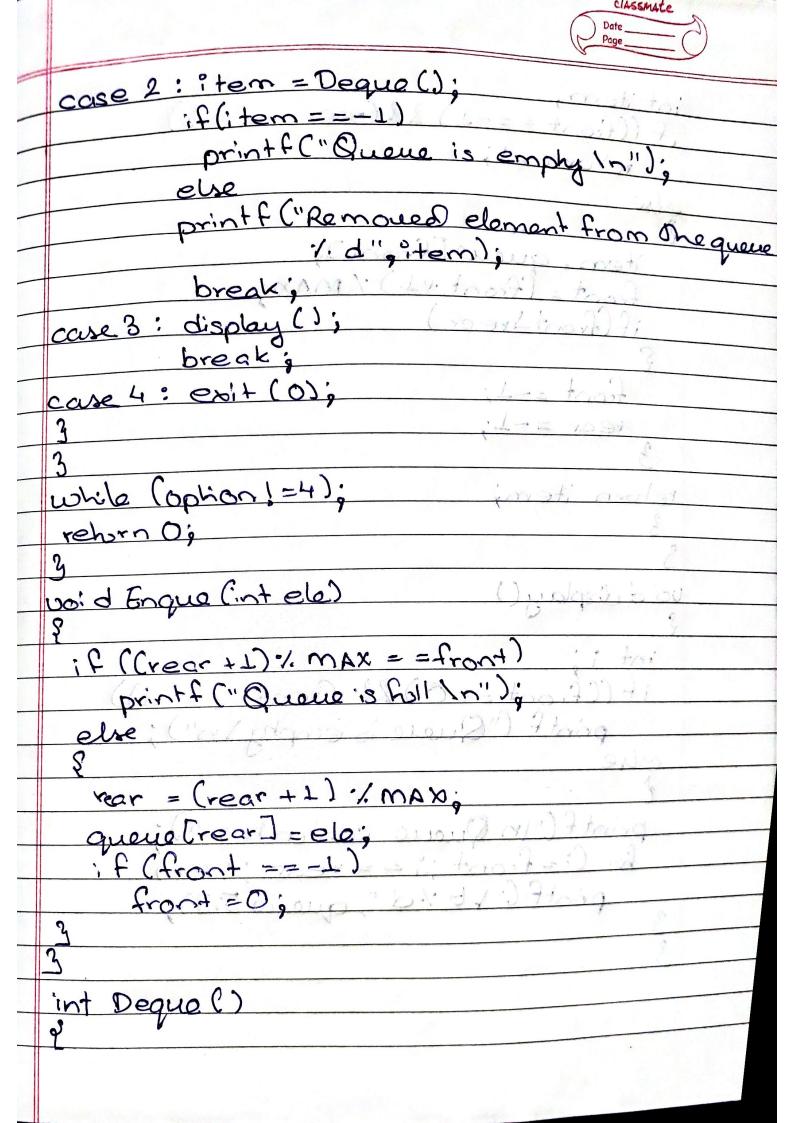
19/16/10/2020 Lab 5- Circular Queue Implementation. pseudocode: Queue [MAX] front <- -1 rear -1 enque (x) of rear = (rear +1) % max = front PRINT Queue is full elephit
rear = (rear+1):/MAX queue (rear) = x deque() of (front = 0) Al Crear =-1 PRINT Buene is Emply front = rear = -1 front = (front+1) 1/max

#include Catdio.hl #deline MAX 5 int front=-1, rear =-1; ant queue [MAX]; void Enque (int); int Deque (); void display ();
int main (int argo, char int option; int item; printf("\n - - - - - \n"); printf ("In Cradar Quare In"), printf ("In I.Insort to Queue "); printf ("In 2. delete from one Queue"); printf ("In 3. Display The content"); printf ("In 4. Exit In"); printf ("Enter the option:"); scanf ("/d", loption); Switch Coption) case 1: printf ("Enter the element In"); scanf ("/d", litem); Enqualitem); break;



; f ((front = = -1) & & (rear = = -1) rehorn -1; item - queue [front]; front = (front +1) 1/ MAX; if (front I rear) front =-1; return item: no; a display () if ((front ==0) ll Crean ==-1 printf ("Quece is empty In") printf ("In Queue contents: "); for (i= front : i = rear ; i++) printf (" t b v.d", queue [i]);