4. # include List dio. h> # include (stall b. h) # define MAX5 ist front = 0; int rear = -1: int queue [MAX]; void Enque(it); int Deque (); void Display (); int main of. intoption; int item; do { print[("In 1. Insert to Queue); print ("In2. Delete from Quene. In 3. Displa the Contentin & . (xit in") print ("Enter the option:"); switch (option) case 1: print["Enter the element (n')
scanf ("ofod', fitem); Enque(item); preak; case 2: ifem = Deque (); if (item = = -1) print["Queue is empty n"); queue l'ed " item); break;

lase 3: Display (). case 4: exit(0); while (option) = 4) retion D; void Enque (intele) if ((front = = D&f rear == MAX-1)) (front == rear+1) else rear = (rear +1) % MAX; grene (rear] = ele; if (front == -1) | front = 0; 3} oit Deque () if ((front == -1) & (rear == -1)) 1 Leturn (-9a9); else s ifem - quene (front; if (front == rear)

{ front = -1;

rear = -1; Grant = (grant + 1) % MAX; Stetron item; 33 void Display () if ! (front == -1) & & (hear == -1) | (front == near) ? print (" Puene is emptyln"); he hurn } else ? Printy (Queue contents: (n'); Print("plod", quene (i7): }?