Lab-pergram-4 #include astdio h) # include < stdlib. h> int front =-1; lut gear = -1; Int queue Cro]; Int MAX; void Engue (int) void Dequeld; void display() int main() E int choice item: print (" Enter the maximum number of elements in the queue \n") scant (" o/. d", & MAX); printf (1. Insert into the queue \n"); print (" 2. Delete from the queue jn") print (" 3. Display the contents of the print (" h. Exit In ").

print (" Enter your choice: \n"); Stant (" 7.d", Ichoere) buritch (choice E care 1: if ((c front=0 & 6 sear== MAX-1)) // (front == rear+1))

E prints ("Queue is fullyn"); & print ("Enter the element in");
Scarf ("% d" & item); Engul (item) }

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```
(asc 2: Dequel); break;
  (ase 3; display();
     briak
  case Li exitios.
3 while (choice 1 = 4);
Void Enque (int de)
   ther= (ner+1) % MAX;
   queller zete:
     of (front 22-1)
       front = 0;
void Deque ()
   int item!
     if ((feront==-1) & & (rear= z-1))

& print ("aneue is empty \n"), returni,
     2 item = queue Gront ];
         if (front == reen)
         { front = -1',
             'reer: 1'
          & front - (front + 1) % MAX;
      3 print ("Removed element from the queue is
```