ADITHI GIRIMAJI 1BM19 C3005 Lab - program-4. Hinducle (stdio h) # include < stdlib. h> int front =-1' jut gear =-1; int queue CroJ, int MAX; word Enque (int); void Deque(); int main() int choice, item; point ("Enter the maximum number of elements in the queue (n"); scanf (" of d", & MAX); print (1. Insert into the queue \n"); print (" 2. Delete from the quare for "); print (" 3. Display the contents of the print[(" h. Exit [n "]. print (" enter your choice:\n") scanf (" 7.d" schoole); E case 1: v/ ((( front=0 & 6 seas=: MAX-1)) // (front = rear+1)) general ("Enter the element \n");

Enque (item);

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(asc 2: Dequel); break;
   (ase 3: display();
3 while (choice 1 = 4);
void Enque (int de)
    trear = (great +1) % MAX;
    queller reer = de:
      of (front == -1)
void Deque ()
      if (c front == -1) & & (rear = = -1))

S print (" Queue is empty )n"), return;
      E item = queue Gront ];
          E) (front == rier)

2 front = -1',
           & pront = ( front + 1) -/ MAX;
       3 print ("Removed element from the queue is
```

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