```
IBM19CS143
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Miraulan Quelle program
# include < stdio.h)
# include < etdlib. h)
unt item, pront = 0, rear = -1, grave_SIZE],
vount = 0;
void murtical) ?
 if (count = = QUE_SIZE)
   printf (" Duene Onerflow, In");
 rear = (rear +1).1. QUE_SIZE;
  q [rear] = item;
  flount++;
   int delete front () ?
   if ( count == 0) Metru -1;
   item q [pont];
   front = (front +1) % OVE_SIZE;
    launt = count -1;
    vetum item;
   void display (1) }
    Unt 1, 1;

( Count ==0)?
     print (" Ducue is empty! In");
    2 views;
```

```
fr = front:
printf (" Mondents of queue : In");
for i = 1; i <= (ount; i++) ?
minty ( " olod In", q[f]);
 ft f = (f+1) olo QUE_SIZE;
int main () }
 unt choice;
 for (;;) ?
printf ("In 1. insutrear In 2. delete pront in 3. display in
A. enit In");
  print[ " Enter choice: m");
  scarf (" d. d", & choice);
   surtch (choice) {
  vase 1: print ("Enter item to be inserted!\n");
   chant ("lod", in item);
   wheet rear ();
    break;
    Mase 2: item = deletyront();
     if ( item = = -1)
     print ("Duene is empty (\n");
       print[ " Hem deleted = olod m", item);
     break;
      Mare 3: display Q();
      break;
      idefault: enit(0),
      return 0;
```