```
# include Zstdio. h)
 60+ max = 10;
 ent a [want : front = 1 ixear = -1;
 noid burent (but);
 Post delete (1)
 Moss gerban C);
 (1069 yosert (604 vom).
  ? (rear = = Max -!)
     Trentt. (" (noverflow");
   the =: + (troot == -1 && rear == -1)
    front = o'
                  Year = 0',
                 else
  rear ++
  q [ rear] = num;
                     int-delete
  it (front ==-1 | | front > rear)
  Prent + (" l'a Dunder How");
   it (front >rear) {
```

J Queve

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Mord display () 1-34 ((10 "); if (front - -- 1 (front > vear) Trendl("in Queue 15 emply") for (90 front; i/= rear; i+1) Trott ("\t 1.d", 2[.]). Rosd wood Frank ("In 1. Zossert in 2. Delete in 3. Desplay in 4. Eili") Front ("In Enter your choice") int - chi ant Vali 5 rant ("7. d"2014) while (ch;=) Case l' Trent f ('In Enter Value to be inserted: "]'
Scont (" Y. d", & val), insert (val) Cose 2: Prent t C'In the queue is! ") displa. carez: val = delete (); Prentflin Deleted number is vid, vall Core 3: Frent + ("In The gowe is ") distaley ();

det aulit : Trentf ("In whong option") out Put: JInsert 21' Delete 3] Display W Exil . Enter your choice: 1 Enter value to be inserted:10 Un Insert 2. Delete 3J. Display U. Exit Enter Choice : 2 Enter value to be inserted:12 1 iInsert 2. Detete 3. Display liverit Enter your chaice 3 U. Exit 1. Insert 2. Delet 3. Display Enter goor choice :2 Deteted number 15 10

> 1 - 1 The state of the state of

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2) Crecolar Drowe
                    II Poxivde < sidio. 17>
The Perchade Z Trocese. h)
# deline QUE_SIZE 3
ent item, tront = 0, rear=-1,2 [QUE-512E], count=0;
 Void Posert rar ()
  if (coon t == QUE-SIZE) :
  Point & C'aver Overflow (n').
  reform;
  2 [rear] - item;
   Count + +;
   Port delete front ()
   if (coon) + == 0) return-1',
   "item = 9 [front];
    Front = (front +1) /. QUE -5726'
    Count = count -1
    return item!
    Void disiday Q()
    iff i, f;
    it (count == 0)
    Prentfrauculis emply ln")
    reforn;
   f= front =
   Trent f' vontents of queue (n')
   tor (%=1; %= count; %++)
```

```
Port ("1.d 10",9[1])
 F=(Ft) 1. QUE - SIZE!
 (1) main ()
sint choice;
               for (:;)
                Print! ("In 11 insert rear In 2 idelete front In
         3: display la 4. exptin")
Reat & Coper the choice (n');
Scan + (" 1.d, 2 choèce)
Switch (choice).
 Con l'Prent f ("enter the êtem to be enserted in");
       Scanf (" /.d ", & ?tem);
       Prosert rear ();
       torcaki,
 Case D: item = delete front ();
        if ( ?tem = = -1)
       Prentt Ciquer is emply In")
        else
       Prentitem de lete d = ".dln", item)
        Sreak;
 (asi 3 : display Q();
       treak;
  default: exot()
```

OutPut 1. Prosent 2. delete 3. display 4. exit enter three item to be ingerted 23 1. incert 2. delate 3 alistoy Leexit enter the item to be inserted 34 1. insert 2. delete 3. display 4. exid enter the êtem to be inserted les. 1. Posset 2 delete 3 disploy Lecexit

Content of queue 23