Assignment - 6
(1) Civular Queue
Cal Insertion (b) pulition
Col Display.
#ineluole 2staliobs
# include Estaio.h.
Hayin mars musmo trive trots: Explis
int front=1, rear=-1:
int Came [max]. The wife with them is said
Corn resert (),
(wid display ()
( Int maine)
int w, no;
for (::)

```
2 print+f" In 2. Innoct");
 point + (" Inz. odete");
 print + (" Ins. Display ");
 print + ("In4. EW+");
 print + ("In Ender what you want: ");
  Scond (" 1 d!", 2 w);
  Switch (w)
   6. 1: trans of remain a retail of the
      insort (1)
      prot;
   (av 2:
      no=delete U',
       break;
   (an 3:
     display ()
      broks
                           come man was
    Can H:
      evit(1-1)
    default:
        printt(" |n Invalid Choice !! In");
```

```
Void insert()
   int no;
     If 10 front == 0 & 2 near == max-1) || front == reary
        print !"In Circular Queue is full ! In");
       return,
      printfc" In Exter a number to Insut: ""
     (cant (" ! d", & ro))
      it (front == -1)
                                       11 States on
         front = front +1);
       it (front=max-1)
           rear-o;
        Ohr rear = rear + 1;
              C Queun [ recor ] = 20.
                                               thurst
                      ( 1/1/ + 121) Francy ( ) 1/1/4
         int delete ()
```

Scanned with CamScanner

```
H (-1 vont == -1)
Eprint + (" In The Circular Queue is Empty 11/n")
 c= cQueu [front];
 H (front == max - 1)
   front = 0',
 elm it (front = = xear)
     year = -1;
                 ((Cont) wing) : "(Conto (Ha)))
  Un front=front+1;
    printt-(" In. (, d was debted ! ! r", e);
     retwine;
   woid displaye)
    inti;
   i+ (front ==-1)
     print f (" In the (irular Queue is Empty ! Nothing to Display !!/n)
```

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```
i=tvont;
it (front 1 = sucor)
 & 12-111 14-12 of 17-12 of 18-12-11 31 1/2/2
    print+ ("Inln")
    print+(".1.d;" cause (i++));
   while like man)
     print (" | h")")
                            ( to a = = troot) hi
   print + c" InIn"
  while (icmax-1)
    print ("1d", (Queue [i+4]))
     1=0',
                             ( Litror) strong a
    while (ic=rear)
                   i blub cow bit of " they
     print+1".1.d", (Queue [i++])
     print + ("In");
```

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push operation;

\_\_\_ It stack is Empty " .

- push an element init and set min 2 top point to it.

- elv

- push element on the top (its next min will be Null)

- If (element innerted in lendon element at my)

- top -> rout min = min

- min=top)

popoperation;

- If top dement is also min dement

-min= min-) rentmin

- popthe climent at top

- of Ecros in each of the numbers and simultaneously delete the zero in that number
- and a count variable with the number of Ecross in every number.

- . The counting is done by using divide (1) and measuring with loop is using loops conainly while loop is usy
- · finally multiple the numbers, with no training zeros and using a loop print: feros ( as Such or the number in lount Variable) at the end.

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