DATE 6/11/20

NAME : CHIRAG

LABS - CIRCULAR QUEUE

USN: IBMIACS039

#indudecstatio.h>

define MAX 5

int gueve_age[MAX]; int front = -1;

int ever = -1;

void insert (int item)

if ((front == 0 && sear == MAX-1) | (front == rear +1))

printf. (" Queue everflow \n1);

if (front ==-1)& rear ==-1)

if (year == MAx -1)

evar =0;

else

rear = Year+1;

Crueve_arr [rear] = item;

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	void del()
-	V Comment of the second of the
	if (front == -1)& Rear == -1)
	\sim
	Print ("Queve Industrois \n!)
1	return;
1	2
	print (" Flement deleked from greve is glod", carere are [front])
-	if (front == veax)
	Je rain is any trad which
-	front = -1'
-	The same and the same of the same
_	3
	else
	if (front == MAX-1)
of decision has	front = 0;
	it are hedselver many interior
	front = front +1;
	3 Trom - From 19
	7
- 1	<u> </u>
- 1	Carl Spirit
	void display ()
- 1	4
	int front-pus = front, reas pox = rou;
	if (from == -1)
	Virginia de la compania del compania del compania de la compania del compania del compania de la compania del
	print ("Queve is Empty \0");
	ereturn;
	Con there is their

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print (" aveve elements: \n")
(front pre == Year pos)
while (front pose=rear-pro)
€
Print (" 10 d" coner sent front pos)
fort post+
}
else is and but here
while (front_pos <= MAX-1)
1- 1- 1
proof ("/od", care an Chort pust)
front pos ++;
3
frontpos =0
while (front pus == rear post)
S (11 free)
print 1"010d", cause are [front pus D;
front pist + +;
3
3
print ("\a")
}
int maio ()
✓
int whoice, item
do
₹
Drintf ("1. Incut \ a")

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print (" 3. Display h"); print ("4. Ruit \n");

print ("Fatur your choice:");

Scoonf ("010d", 4 choice); switch (choig) print ("Input the element for insertion in queue:") Sount (" old", & item) insert (item); breaki cose 2 : display(); Case 4: defeudt: print (" wrong choice \a").] while (choice 1=4); return D',