LAB-4- Queue Implementation

NAME : CHIRAG I

#include Stolio.h>

#include < process.h>

define limit 5

int front = -1, reate = -1, queue [limit], flag = 1;

void insert();
int del();

void display ();

Void main ()

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int choice, x; clrscr();

while (1)

while ()

print ("In 1: Insut In 2: Display In 3: Delete In 4: Exit In");

printf (" In Enter your choice: ");

Stanf ("90d", 4 choice); Switch (choice) {

(ase 1: insert ();

break,

Case 2: display (),

(ax 3: x = del();

if (flag == 0)

printf ("In Flement counnor be deleted");

cke

printf("In Deleted element is god", x); break; (are 4: exit(0);

brook:

detailed: print (" In Invalid choice !!! ");

void insut ()

int item;

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if (rear == limit -1)

Printf (" In Quare averflow \n");

meturn;

ele

printf("In Enter element to be inented: ");

Sconf ("olod", 4 item);

if (front==-1 4 + rea == 1)

front=ron=0;

elce marti,

queus[rear] = item; queturn;

int del ()

int item:

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if (front == -1 && ercar == -1)
      printf ("In Queve 15 empty In");
     flag = 0;
      ceturn -1;
  else
     item = queve (front);
     if (front == rear)
      front=rear = 1;
     else front ++;
     ection item;
Void display ()
 inti:
if (front == -1 &4 ever == -1)
   print ("In avene is Empty In");
   getwen;
  clse
   printf ("1,");
    for (i = front; i <= ever; i++)
     printf ("god", queue [];
```

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