```
*Untitled1 X ds lab test 1.c X ds labtest 1.c X
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#define MAX 3
int front=-1;
int rear -- 1;
int number [MAX];
char name [MAX] [20];
int id[MAX];
char *date[MAX][15];
void Enqueue (int, char*, int, char*);
void Dequeue();
void display();
int main (void)
     Enqueue (001, "Yins", 000, "13-11-2020");
   Enqueue (002, "Yineeth", 001, "13-11-2020");
   Enqueue (003, "Someone", 002, "12-11-2020");
   display();
   Enqueue (001, "Vins", 000, "13-11-2020");
   Dequeue();
   Enqueue (001, "Vins", 000, "13-11-2020");
 void Enqueue (int num, char 'Name, int ID, char 'Date)
```

```
as lab test1.c X ds labtest 1.c X
void Enqueue (int num, char *Name, int ID, char *Date)
     if ((front = 0 && rear = MAX - 1) || (front = rear + 1))
       printf("Call log is full\n");
       return;
      else [
        rear=(rear+1) %MAX;
        number[rear] = num;
        strcpy(name[rear], Name);
        id[rear] = ID;
        strcpy(date[rear], Date);
        if (front ==-1)
           front=0;
  void Dequeue ()
     int Number;
     if ((front == -1) && (rear == -1))
       printf("No remaining calls");
     else
                 nimharlfrant
```

```
*Untitled1 X ds lab test1.c X ds labtest 1.c X
  else
    Number = number[front];
    printf("You have attended customer with number %d", Number);
    if(front==rear) {
      front=-1;
      rear=-1;
    else {
       front=(front+1)%MAX;
void display()
    int i;
    if((front==-1) && (rear==-1))
      printf("No calls unattended.\n");
      return;
    else
      printf("\nCall logs:\n");
      i=front;
      do
         nrintfi"&din&din&din&dinid numberiil namelii
```

```
*Untitled1 X ds lab test1.c X ds labtest 1.c X
    else |
      front=(front+1) %MAX;
void display()
    int i:
    if((front=-1)&& (rear=-1))
      printf("No calls unattended.\n");
      return;
    else
      printf("\nCall logs:\n");
      i=front;
      do
        printf("%d\n%s\n%d\n%s\n\n", number[i], name[i], id[i], date[i]);
        if(i=rear)
          break:
       i=(i+1) %MAX:
      | while (i!=front);
```