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#include <stdio.h>
#include <stdlib.h>
#define MAX 5
int front = 0;
int rear = -1;
int queue[MAX];
void Enque(int);
int Deque();
void Display();
int main()
{
        int option;
int item;
  do {
      printf("\n1. Insert to Queue");
      printf("\n2. Delete from Queue \n3. Display
       the content\n4. Exit\n");
      printf("Enter the option:");
      iscanf("%d", &option);
      switch(option)
        {
        case 1: printf("Enter the element\n");
                scanf("%d", &item);
                Enque(item);
                break;
        case 2: item = Deque();
                if(item == -1)
                  printf("Queue is empty\n");
                else
                  printf("Removed element from
                queue %d", item);
                break;
```

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        case 3: Display();
                break;
        case 4: exit(0);
    }
} while(option != 4);
    return 0;
}
void Enque(int ele)
{
    if(rear == MAX-1)
        printf("Queue is full\n");
    else
    { rear++;
      queue[rear] = ele;
    }
}
int Deque()
{int item;
    if(front == -1)
        return -1;
    else
    { item = queue[front];
      front++;
      if(front > rear)
      { front = -1;
        rear = -1;
      }return item; }}
void Display()
{ int i;
    if(front == -1)
        printf("Queue is empty\n");
    else { printf("Queue contains\n");
           for(i = front; i <= rear; i++) printf("%d", queue[i]);
```