```c
Q#include<stdio.h>
#define size 5

int arr[size];
int front=-1,rear=-1;

void enqueue(int val)
{
    if((rear+1)%size==front)
    {
        printf("Queue is overflow..!\n");
    }

    else if(front==-1 && rear == -1)
    {
        front=rear=0;
        arr[rear]=val;
    }

    else
    {
        rear=(rear+1)%size;
        arr[rear]=val;
    }
}

void dequeue()
{
    if(front==-1)
    {
        printf("Queue is underflow..!\n");
    }
    else if(front == rear)
    {
        front=rear=-1;
    }
    else
    {
        printf("%d",arr[front]);
        front=(front+1)%size;
    }
}

void display()
{
    int i;
    if(front==-1 && rear == -1)
    {
        printf("Queue is underflow..!\n");
    }
    else
    {
        for(i=front;i!=rear;i=(i+1)%size)
        {
            printf("%d\t",arr[i]);
        }
        printf("%d\t",arr[rear]);
    }
}

int main(){
    int x,data;

    while(1)
    {
```

```c
    {
        printf("\nQueue operations\n1) Enqueue\n2) Dequeue\n3) Display\n4) Exit\nEnter the
Queue operations:");
        scanf("%d",&x);
        switch(x)
        {
        case 1:
                printf("Enter the inserting element:");
                scanf("%d",&data);
                enqueue(data);
                break;
        case 2:
                dequeue();
                break;
        case 3:
                display();
                break;
        case 4:
                printf("Exited...!");
                printf("--------------------------------------------");
                exit(0);
        default:
            printf("Invalid choice.Please enter 1 to 5");
            break;

        }
    }

}
```