


```

        }
    } while (option!=4);
    return 0;
}

void Enque(int ele)
{
    if(((front == 0 && rear == MAX - 1)) || (front == rear + 1) )
    {
        printf("Queue is full\n");return;

    }
    else
    {
        rear=(rear+1)%MAX;
        queue[rear]=ele;
        if(front ==-1)
            front=0;

    }
}

int Deque()
{
    int item;
    if((front == -1)&&(rear == -1))
    {

        return(-999);
    }
    else
    {
        item=queue[front];

        if(front==rear)
        {
            front=-1;
            rear=-1;
        }
        else

```

```

        {
            front=(front+1)%MAX;
        }
        return item;
    }

}

void display()
{
    int i;
    if(((front==-1)&& (rear==-1)) || (front==rear))
    {

        printf("Queue is empty\n");return;

    }
    else
    {
        printf("\n Queue contents:\n");
        for(i=front; i<=rear; i++)
            printf("%d", queue[i]);
    }
}

```