

Deepu.k

Enqueue function

Void enqueue (int num)

{

```

if ( front == 0 && rear == MAX - 1 )
    if ( front == rear + 1 )

```

```

        printf ("Queue is full");

```

else

{

```

    rear = (rear + 1) % MAX;

```

```

    queue[rear] = num;

```

```

    if ( front == -1 )

```

```

        front = 0;

```

}

}

int Dequeue()

{

int dequeue()

{

int ele;

```

if ( front == -1 && rear == -1 )

```

```

    return 0;

```

else

{

{

ele = queue[front]

if (front == rear)

{

front = -1;

rear = -1;

}

else

{

front = (front + 1) % MAX;

}

return ele;

}

}

Void display()

{

int i;

if (front == -1 || rear == -1 || (front == rear))

printf("Queue is empty");

else

{

printf("Elements in queue");

for (i = front; i <= rear; i++)

{

printf("%d", queue[i]);

}

printf("\n");