

void Enque (int no)

DHRUVA M
IBM19CS044

```
{  
    if (rear == MAX-1)  
        printf ("Queue is full \n");  
    else  
    {  
        rear++;  
        queue[rear] = no;  
    }  
}
```

int Dequeue ()

```
{  
    int item;  
    if (front == -1)  
        return -1;  
    else  
    {  
        item = queue[front];  
        front++;  
        if (front > rear)  
        {  
            front = -1;  
            rear = -1;  
        }  
        return item;  
    }  
}
```

void display ()

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{

int i;

if (front == -1) { // queue is empty }

printf ("Queue is empty \n");

else

{

printf ("\n Queue contents : ");

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

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

}

}