

```
int queue[MAX];  
int rear = -1;  
int front = -1;  
#define MAX 50
```

```
void insert()  
{
```

```
    int add;
```

```
    if (rear == MAX-1)
```

```
        printf("Queue Overflow\n\n");
```

```
    else
```

```
    {
```

```
        if (front == -1)
```

```
            front = 0;
```

```
            printf("Enter element: ");
```

```
            scanf("%d", &add);
```

```
            printf("\n");
```

```
            rear = rear + 1;
```

```
            queue[rear] = add;
```

```
    }
```

```
}
```

```
void delete()
```

```
{
```

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

```
    {
```

```
        printf("Queue Underflow\n\n");
```

```
        return;
```

```
    }
```

```
    else
```

```
{  
    printf("Deleted element: %d\n\n", queue[front]);  
    front = front + 1;  
}  
}  
  
void display ()  
{  
    int i;  
    if (front == -1)  
        printf("Queue is empty\n\n");  
    else  
    {  
        printf("Queue is: \n");  
        for (i = front; i <= rear; i++)  
            printf("%d\n", queue[i]);  
        printf("\n");  
    }  
}
```