

LINEAR QUEUE

IBM19C5045
Derek Stanley

```
void insert (int n, int q[], int ele)
{
    if (rear == n-1)
    { printf ("Queue overflow\n"); }
    else
    {
        rear++;
        q[rear] = ele;
    }
}
```

```
int delete (int q[])
{
    int ele;
    if (front == -1)
    { printf ("Stack Queue Underflow\n"); }
    else
    {
        ele = q[front];
        front++;
        if (front > rear)
        {
            front = 1;
            rear = -1;
        }
        return ele;
    }
    return -999;
}
```

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