

```
37 // Utility function to add an item to the queue
38 void queue::enqueue(int item)
39 {
40     // check for queue overflow
41     if (isFull())
42     {
43         cout << "OverFlow\nProgram Terminated\n";
44         return;
45     }
46
47     cout << "Inserting " << item << '\n';
48
49     rear = (rear + 1) % capacity;
50     arr[rear] = item;
51     count++;
52 }
```