First we filled in the Node class. Each node has a data field and a link to the next Node (one way link).

Then we filled out the code for ListQueue. We made the constructors, enqueue, dequeue, and the front methods. For each we figured out the types of cases there would be like an empty queue, a queue with one element, and the regular case.

We have testEmpty() and testOne() to work. And we are now working on the remaining test: testMany().

For each test, we test the front(), then dequeue(), then enqueue(), in the order of how those methods impact the queue’s original state. For example, when we want to test the methods for an empty queue, if we enqueue() before front(), then the queue is no longer empty.