

In Node.cpp, set Node() elem to 0 and prev and next to NULL. set Node(int) elem to the parameter value and prev and next to NULL. In IQueue.cpp, write a program so IQueue will make a queue with no node. For enqueue, if it is empty, head and tail are the same node. Otherwise, put the new node behind tail, and change the new node to tail. For dequeue, if it only has one node, delete the only node. Change its head and tail to null. Otherwise, change head to the next head. Delete the original node. For headElem, return the head element. In isEmpty, check whether the queue is empty. For getsize, count the size of the queue. If the current node is not NULL, then keep counting. For getHead, get the head pointer of the queue. In getTail, get the tail pointer of the queue. In printHeadToTail, print the entire queue from head to tail. Print the element 20 in a row. If there are no more nodes change the row. In IQueueMain.cpp, use srand so the number will be different every time. Make trial into random number between 1 to 10. Make enNum random numbers between 1 to 99. Enqueue enNum times and numbers between 1 to 99. Make deNum random numbers between 1 to the size of the queue. Dequeue deNum times.