The program written is designed to create a double ended queue (deque). I have used sample input and expected outputs to test the design of the KothradeDeque class, which implements the deque interface.

To start, I call the size() method, which prints a "0" as there are no elements in the deque yet. Following this up, I use an if statement that references the Boolean isEmpty() method to print out a message declaring that the deque does not contain any elements. While the deque is still empty, I call the last() method, which throws an error, since there was no

element to return. (see pic)

To begin filling the deque, I place the integer 9 using the enqueueBack() method. Now, using the first() and last() methods, I check to see that both my head and tail nodes are working as intended by printing the #9 twice. To test the first() and last() methods again, I add the integer 5 to the front using the enqueueFront() method, and then proceed to print out both elements.

Finally, I begin to close up my testing with the creation of a new deque which contains
String objects. I print the size() method again to ensure the deque is indeed empty, and then use the enqueue methods to enter "Hello" and "There" to the deque. To finish I utitlize an if statement that prints the toString() method as long as the deque is not empty.

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