*This is the output of the test run of the DLLQueue class. There are two parts to the output. The first uses the Student class from the StudentData4 project. The program creates a DLLQueue of Student objects. It then invokes showAll to output the DLLQueue. Finally, it dequeues the entries one at a time and outputs them as well. All three outputs should be in the same order. (If it were a stack the last would be reversed.)*

*The second test uses a DLLQueue of Character objects, it is a simple alteration of the "Palindrome" class from a few weeks back. It uses the DLLQueue<Character> to check for palindromes. It's not really useful to use the "showAll" method for this queue since it prints one character per line.*

*This program was simple. All I did was encapsulate the code from the Palindrome class that implemented the queue and set up an iterator for showAll().*

*Here is the program output: Program output is* BLACK*.*

First get some random Students and enqueue them.

Marie s34785463 3.75

Silas s62565309 2.89

London s41247287 2.28

Isaac s69544573 2.93

Sincere s87262540 2.9

Now do showAll, should show Students in the same order.

Marie s34785463 3.75

Silas s62565309 2.89

London s41247287 2.28

Isaac s69544573 2.93

Sincere s87262540 2.9

Now dequeue them and print them again. They should be in the same order

Marie s34785463 3.75

Silas s62565309 2.89

London s41247287 2.28

Isaac s69544573 2.93

Sincere s87262540 2.9

Now look at some Palindromes using the DLLQueue

The input String is: Madam, I'm Adam

It is a Palindrome.

The input String is: This is not a Palindrome

It is not a Palindrome.

The input String is: Able was I ere I saw Elba

It is a Palindrome.

The input String is: Redrum, sir, is Murder

It is a Palindrome.

The input String is: Was it a cat I saw?

It is a Palindrome.

The input String is: In girum imus nocte et consumimur igni

It is a Palindrome.

*If any of these had failed it would have been an indication of problems with the DLLQueue.*