**Task 5: Debugging**

Test 1 pushFront

For the pushFront test I created a list, then inserted the integers 1, 2 and 3(in that order) into the list. I then checked if the first item in the list is equal to ‘1’ by using my ‘begin()’ function which returns the first element of the list.

Test 2 popFront

For the popFront test I created a list, then inserted the integers 3, 2 and 1(in that order) into the list. Finally, I call the ‘popFront()’ function on the current list. I then checked if the FIRST item in the list is NOT equal to ‘3’ by using my ‘begin()’ function to check the first element and make sure it is removed.

Test 3 pushBack

For the pushBack test I created a list, then inserted the integers 3, 2 and 1(in that order) into the list. I then checked if the last item in the list is equal to ‘1’ by using my ‘end()’ function which returns the last element of the list.

Test 4 popBack

For the popBack test I created a list, then inserted the integers 3, 2 and 1(in that order) into the list. Finally, I call the ‘popBack()’ function on the current list. I then checked if the LAST item in the list is NOT equal to ‘1’ by using my ‘end()’ function to check the last element and make sure it is removed.

Test 5 countList

For the countList test I created a list, then inserted the integers 3, 2 and 1(in that order) into the list. I then check if the number of elements in the list is equal to ‘3’ by using my ‘count()’ function which returns the total number of elements of the list.

Test 6 insertAtLocation

For the insertAtLocation test I created a list, then inserted the integers 3, 2 and 1(in that order) into the list. I proceed to insert ‘4’ at node 2 in the list. I then checked if the element at node 2 in the list is equal to ‘4’ by using my ‘getAtPos()’ function which returns the element at a desired position in the list.