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Project8 Documentation

The purpose of this program was to learn more about nodes and linked lists. The purpose of this program was to learn about how the linked lists worked together and how we need to allocate the memory for the nodes. In my program the array list has the usual default, copy, and parameterized constrictors. They will set as many objects to the original data. Along with the operator = , it acts the same as the copy ctor. The first and last just return the value that are in the first and last points of the object. Find finds the target and returns it. InsertAfter and InsertBefore, I made a new temp Node that stored it original data. Depending on the after and before, I would set increase the objects size and move the data to the correct locations. To erase the data I would find the location that it wasnts to erase and then delete it. The empty function just checked if the object had a size greater than 0. For the NodeList, everything was around the same, but you had to jump through some loops to get to where you would need to be. So I used the arrow operator to traverse the nodes.

Some of the problems that I had were definitely about the memory allocation and the how to print out the data that I wanted. In the NodeList, I wanted to print the data to the termial, but I couldn’t because I didn’t know how to. So for the rest of my NodeList functions I didn’t know if they worked properly because I couldn’t tell what they were outputting. IF I had more time, I would definitely, like to try to figure out how to print the data to the terminal, and continue trying to finish my Node List, with me knowing what the problems would be.