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CMSC 204

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**Assignment 5 Learning Experience**

The Morse Code Converter implementation had me pretty excited when we first had it assigned because military technology and military applications of innovations have always been a particular kind of interesting to me. Between the implementation of our first binary tree and the context of a decryption program, I could not wait to get started.

The two methods that gave me the most trouble were the addNode and the LNRTraversal method, both from the MorseCodeTree class of this assignment. Recursion is still a relatively new concept that we have not had a ton of practice with as a class. It was a matter of generifying the algorithm as much as possible in order to isolate the truly distinct cases; the base case, the initial case, the general case. I have a poor habit of trying to think of the whole solution all at once and that can make my coding messy with plenty of holes and contradictions. But breaking the method design down into understandable pieces helped me see the simplicity in the solutions.

Overall I think I learned a lot about my thought process when it comes to writing and designing programs. I know what my strengths are and what my weaknesses are so it makes the reflection process a lot easier.