

Programming Assignment One Commentary

Linked List Line Editor

The computational complexity of insertEnd is $O(n)$ since at most the Linked List will need to be traversed once. In fact, this is true for all of the methods in the Linked List class. Each method in my implementation contains one while loop. One drawback of using a Linked List for a Line editor is the fact that you need to traverse the entire list to get to a specified line number, unlike with an array. This may be an issue since with line editors quick access to specific lines is a good feature. Before going into this assignment, I felt that I had a strong understanding of Linked Lists, but this exercise really helped me to fiscally solidify that understanding of Linked Lists and how they work.