

Emma Perez
Assignment 2 part 2

When I was running the program "ArraylistVSLinkedlists" (which was adding to the end of the lists) the first thing that I noticed was that the linked list took longer to execute than the arraylist. But what I thought was interesting about it was that at first it seems like the linkedlist was executing faster. In my run, for the first and second "100,000th" elements the linked list ran at 0 and 9 milliseconds while arraylists were at 0 and 18 milliseconds. So the arraylist was taking double the amount of time as the linkedlist was. As soon as the linked list gets to the 1,000,000 element or the 10th 100,000th element, it gets exceedingly slower.

When I was running the program "AddToBeginning" Linkedlists run a lot faster when adding to the beginning rather than the end. On my first run, the total time for the arraylist was 1553 while the linkedlist's total time was only 22. Big difference!