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| Benchmarking |
| CS2852 – Lab 1 |
|  |
| [Type your name here]  [Type the date here]  [Type something like Winter 2014-2015 here]  Milwaukee School of Engineering (MSOE)  Electrical Engineering and Computer Science (EECS)  Instructor: Dr. Josiah Yoder |
|  |

# Introduction

[In one or two sentences, in your own words, start from the broad and work toward the specific, describing what your report/project is about.]

# Testing Parameters

[Describe the parameters used in your tests – size, number of runs, etc. Reference the figures in the Results section]

# Results



Figure : Add N (random valued) positive integers to an empty ArrayList (add to back) [You may optionally add more here.]

[You may optionally put some text here. Be sure to reference any figures with something like “Fig 1.” somewhere in your text.



Figure : Add N (random valued) positive integers to an empty SortedArrayList (add to back) [You may optionally add more here.]

[You may optionally put some text here. Be sure to reference any figures with something like “Fig 1.” somewhere in your text.



Figure : Add N (random valued) positive integers to an empty LinkedList (add to back) [You may optionally add more here.]

[You may optionally put some text here. Be sure to reference any figures with something like “Fig 1.” somewhere in your text.



Figure : Add N (random valued) positive integers to an ArrayList where each new item is added to the front. [You may optionally add more here.]

[You may optionally put some text here. Be sure to reference any figures with something like “Fig 1.” somewhere in your text.



Figure : Add N (random valued) positive integers to a LinkedList where each new item is added to the front. [You may optionally add more here.]

[You may optionally put some text here. Be sure to reference any figures with something like “Fig 1.” somewhere in your text.



Figure : Determine whether a given integer value is in an ArrayList of size N. [You may optionally add more here.]

[You may optionally put some text here. Be sure to reference any figures with something like “Fig 1.” somewhere in your text.



Figure : Determine whether a given integer value is in a SortedArrayList of size N. [You may optionally add more here.]

[You may optionally put some text here. Be sure to reference any figures with something like “Fig 1.” somewhere in your text.



Figure : Determine whether a given integer value is in a LinkedList of size N. [You may optionally add more here.]

[You may optionally put some text here. Be sure to reference any figures with something like “Fig 1.” somewhere in your text.



Figure : Access the ith element of an ArrayList of size N where i is between 0 and N. [You may optionally add more here.]

[You may optionally put some text here. Be sure to reference any figures with something like “Fig 1.” somewhere in your text.



Figure : Access the ith element of a SortedArrayList of size N where i is between 0 and N. [You may optionally add more here.]

[You may optionally put some text here. Be sure to reference any figures with something like “Fig 1.” somewhere in your text.



Figure : Access the ith element of a LinkedList of size N where i is between 0 and N. [You may optionally add more here.]

[You may optionally put some text here. Be sure to reference any figures with something like “Fig 1.” somewhere in your text.



Figure : Access the (N/2)th element of an ArrayList of size N. [You may optionally add more here.]

[You may optionally put some text here. Be sure to reference any figures with something like “Fig 1.” somewhere in your text.



Figure : Access the (N/2)th element of a SortedArrayList of size N. [You may optionally add more here.]

[You may optionally put some text here. Be sure to reference any figures with something like “Fig 1.” somewhere in your text.



Figure : Access the (N/2)th element of a LinkedList of size N. [You may optionally add more here.]

[You may optionally put some text here. Be sure to reference any figures with something like “Fig 1.” somewhere in your text.

# Final Summary of Results

[Final summary of results. Any surprises? Be sure to point out and attempt to explain anything unusual/unexpected in the plots.]

# Analysis and Conclusions

[Analysis and conclusions based on your results. Did you gather enough data to support your conclusions? (If not, loop back and run more experiments.)]

# Comments on the Lab

[This is required. Enter anything you liked or could be improved about the lab.]