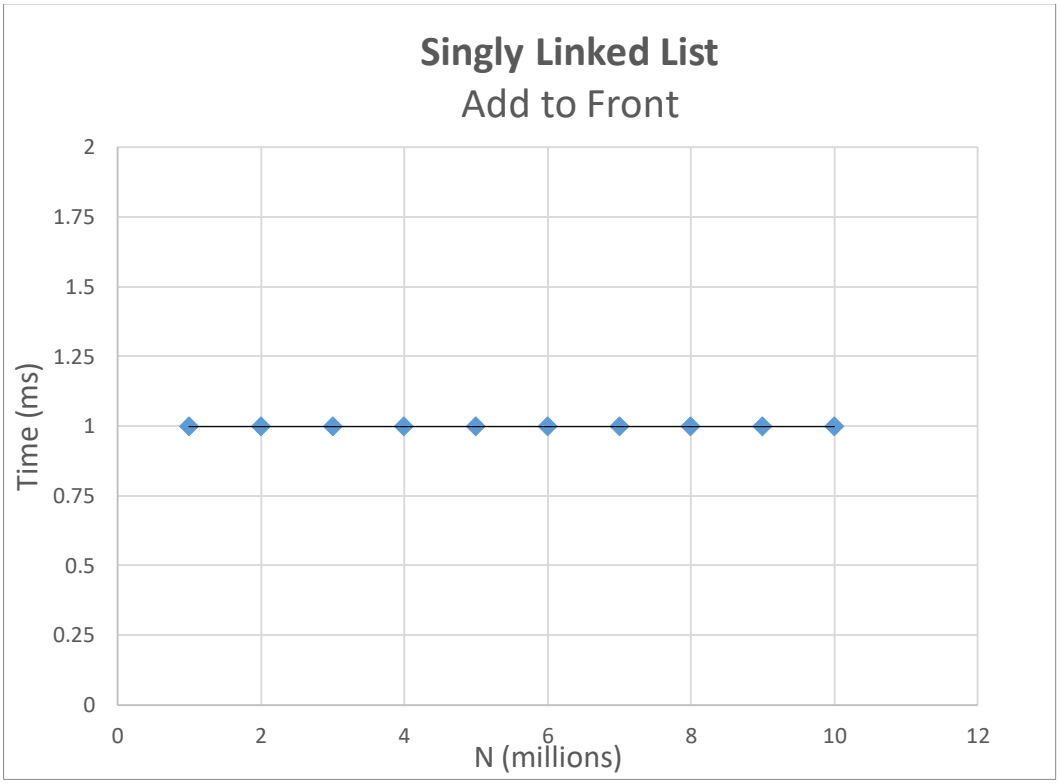
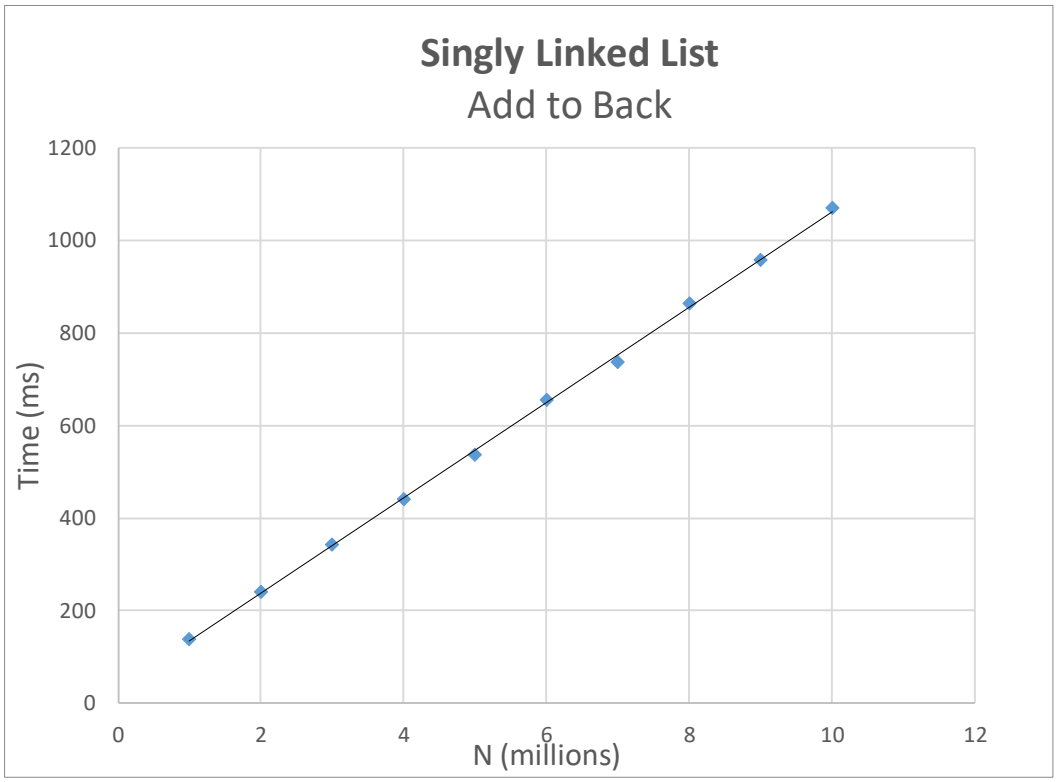
# Project 3

1. Singly Linked List
    a. Add to Front
    This method has a theoretical big-O efficiency class of O(1).




    Our results were conclusive with the theoretical run time of O(1).

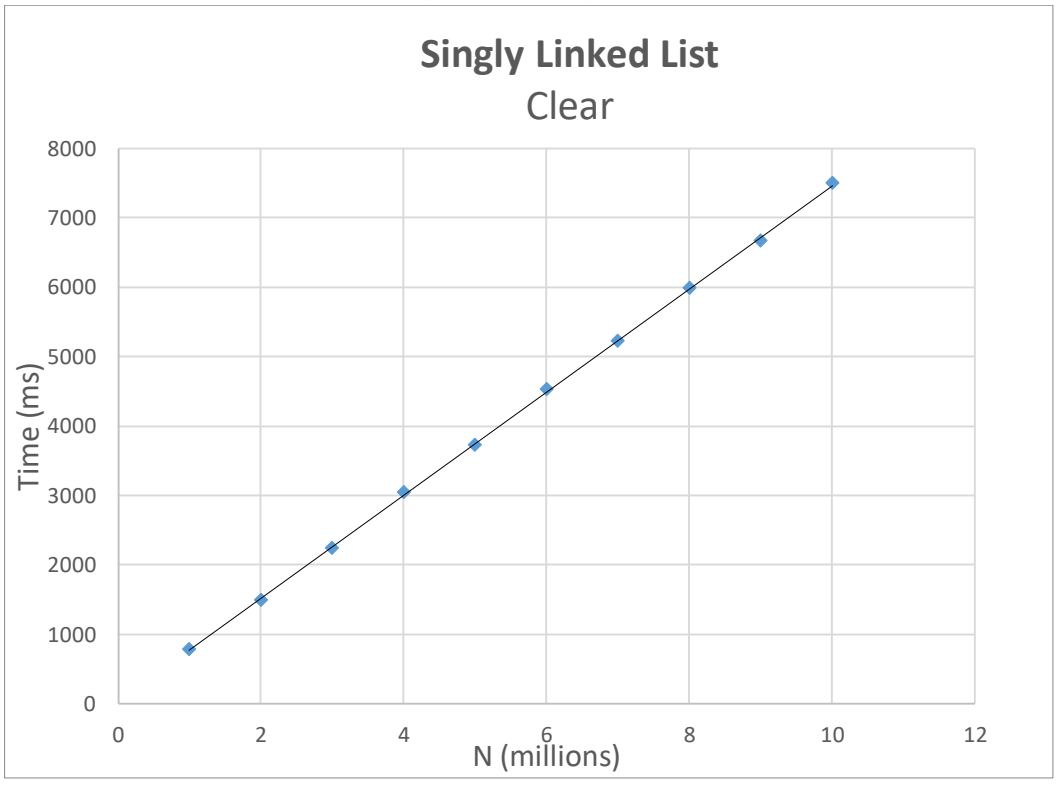
    b. Add to Back
    This method has a theoretical big-O efficiency class of O(n).




Our results were conclusive with the theoretical run time of O(n).

c. Clear

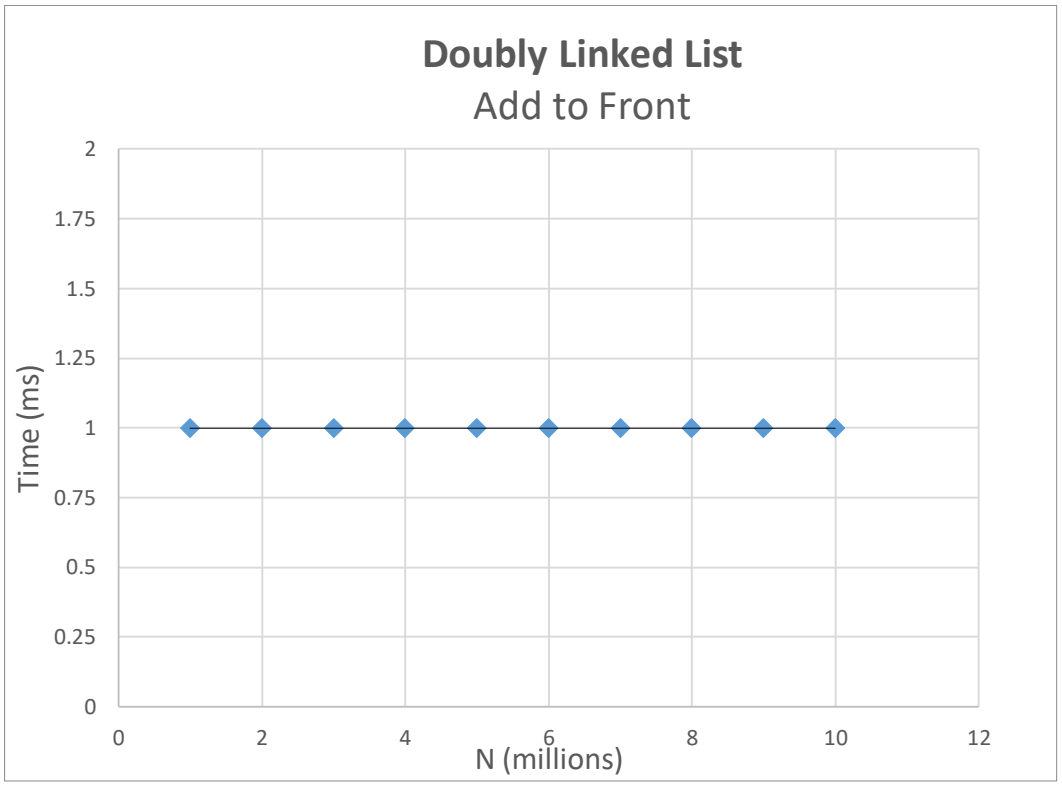
This method has a theoretical big-O efficiency class of O(n).



Our results were conclusive with the theoretical run time of O(n).

2. Doubly Linked List
    a. Add to Front

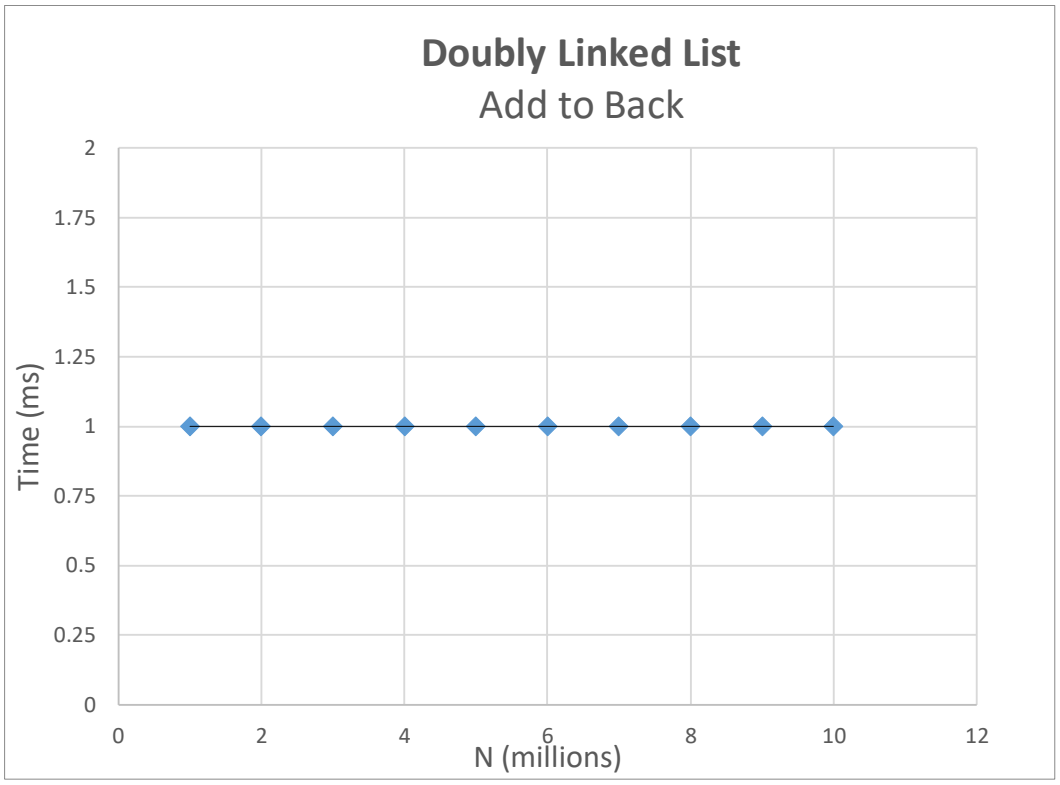
    This method has a theoretical big-O efficiency class of O(1).




    Our results were conclusive with the theoretical run time of O(1).

    b. Add to Back

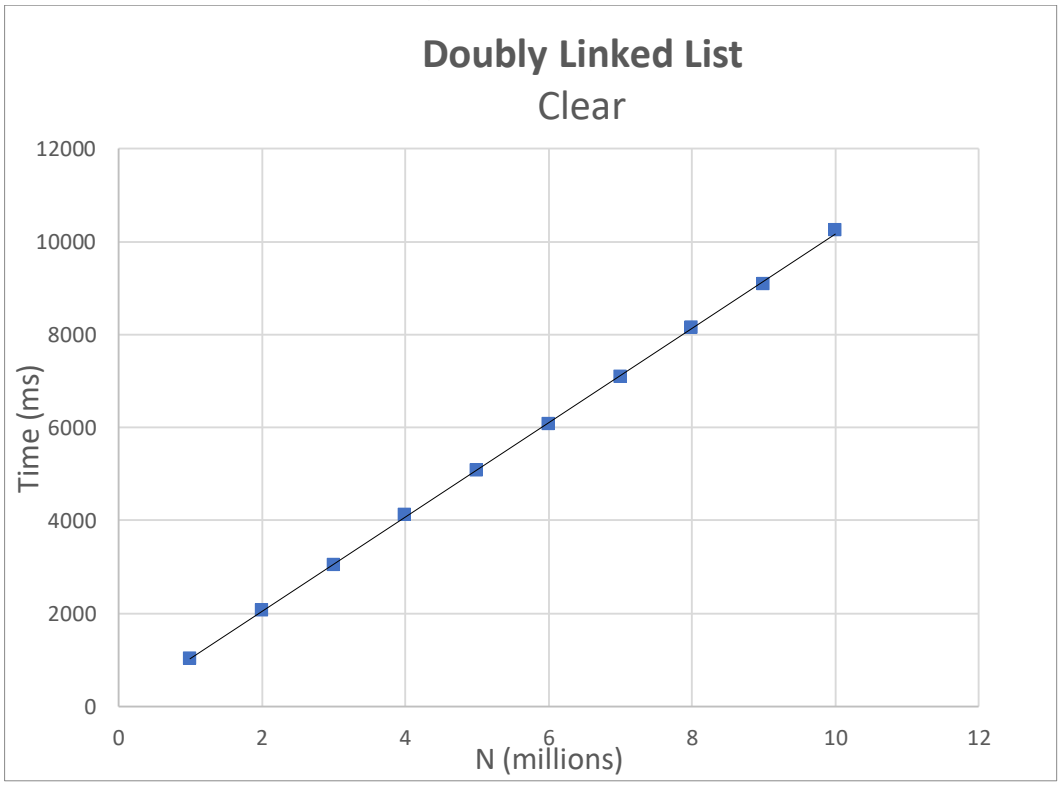
    This method has a theoretical big-O efficiency class of O(1).




Our results were conclusive with the theoretical run time of O(1).

c. Clear

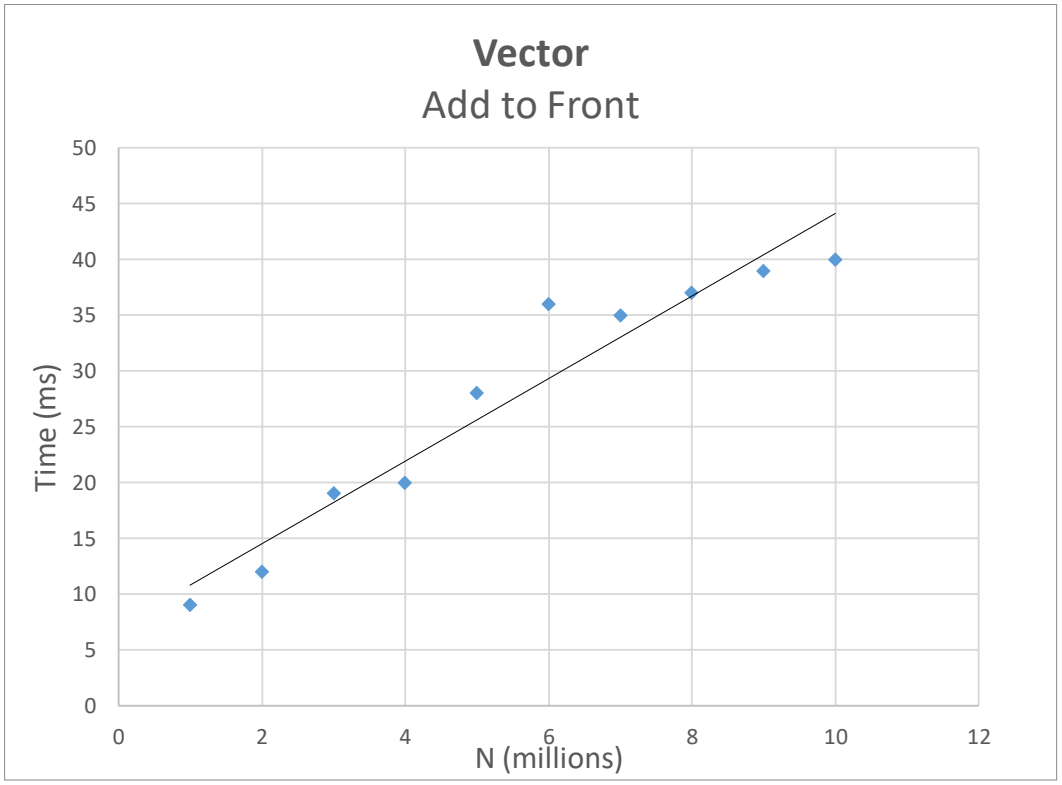
This method has a theoretical big-O efficiency class of O(n).



Our results were conclusive with the theoretical run time of O(n).

3. Vector
    a. Add to Front

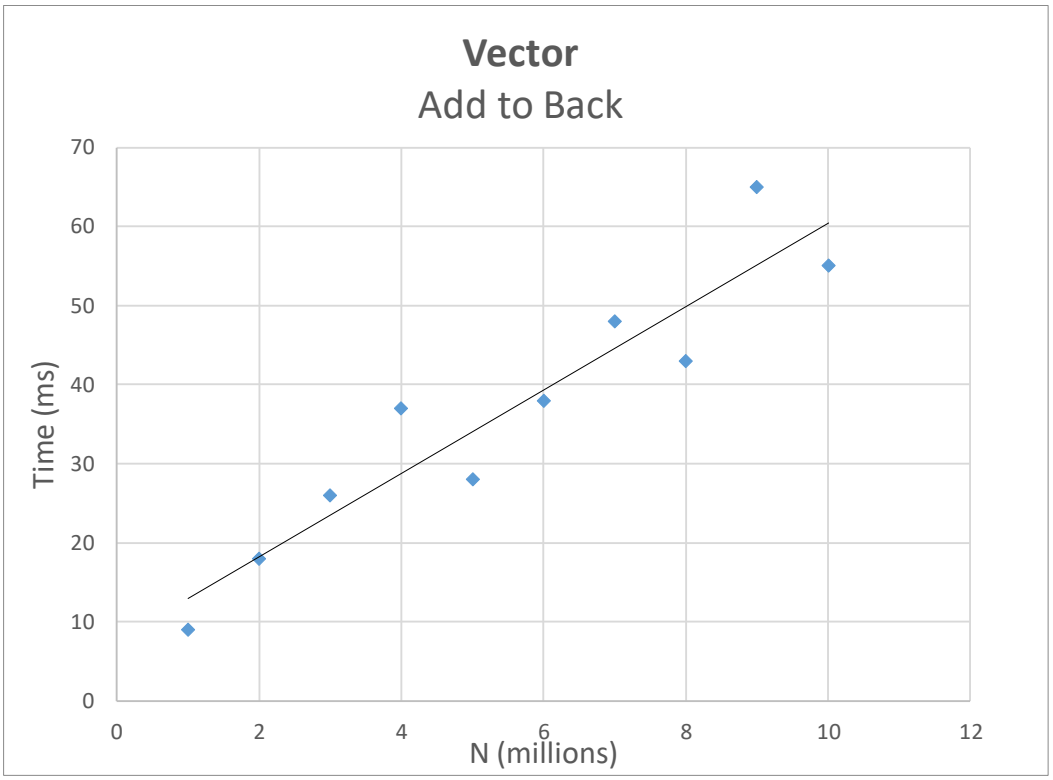
    This method has a theoretical big-O efficiency class of O(n).




    Our results were conclusive with the theoretical run time of O(n).

    b. Add to Back

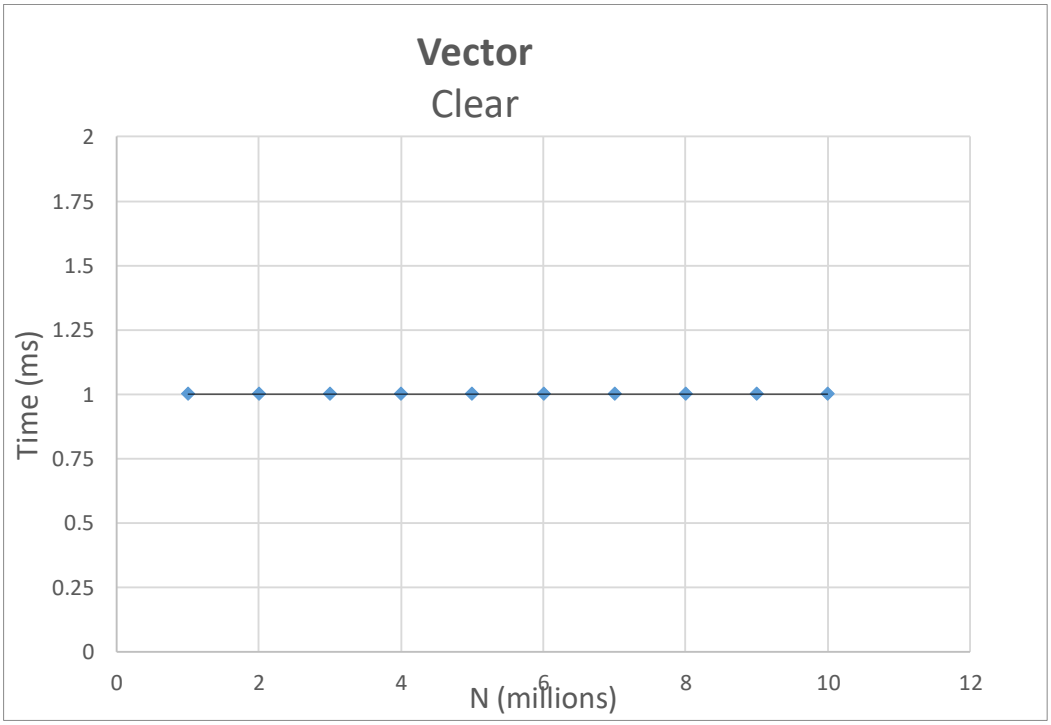
    This method has a theoretical big-O efficiency class of O(n).




Our results were conclusive with the theoretical run time of O(n).

c. Clear

This method has a theoretical big-O efficiency class of O(1).




Our results were conclusive with the theoretical run time of O(1).