

CENG 218 HW5 Report

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I can't see execution time in my compiler and i didn't want to use chrono library, but i know that bst is faster than linkedlist because when we want to search in linkedlist we need to visit every node but in bst everytime we eliminate half of tree in every step. Because we know that bigger values stay in right of the root and smaller values are stay in left of the root. For example if i have 10 root for both bst and linkedlist and my searching data in be a last root. In linked list i need visit every 10 root but in bst i need to visit just 4 root in in the best case. In concluison, bst is faster than linkedlist.