

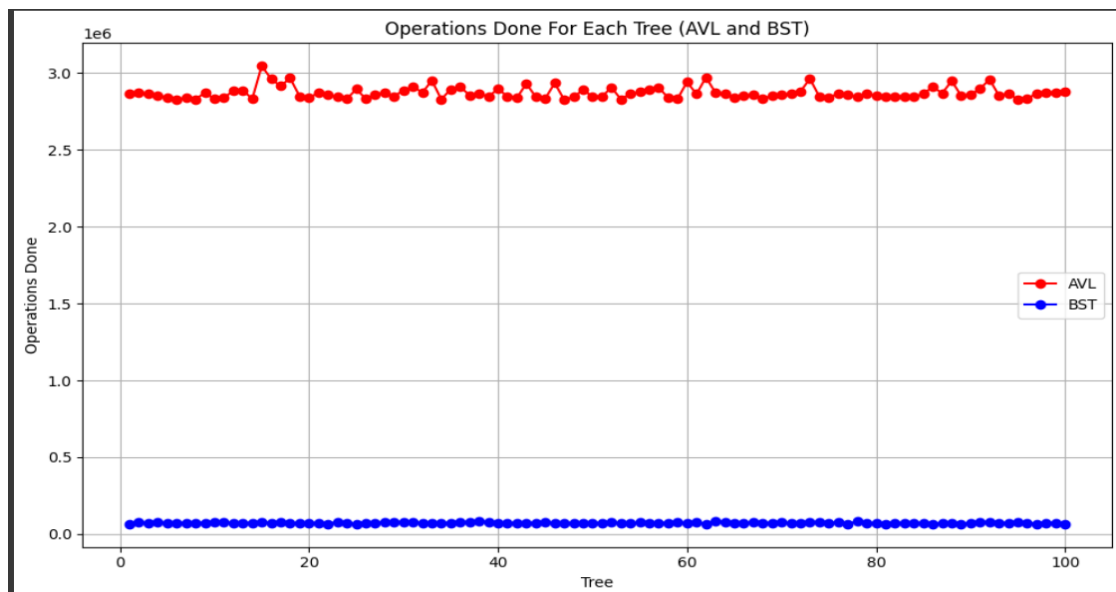
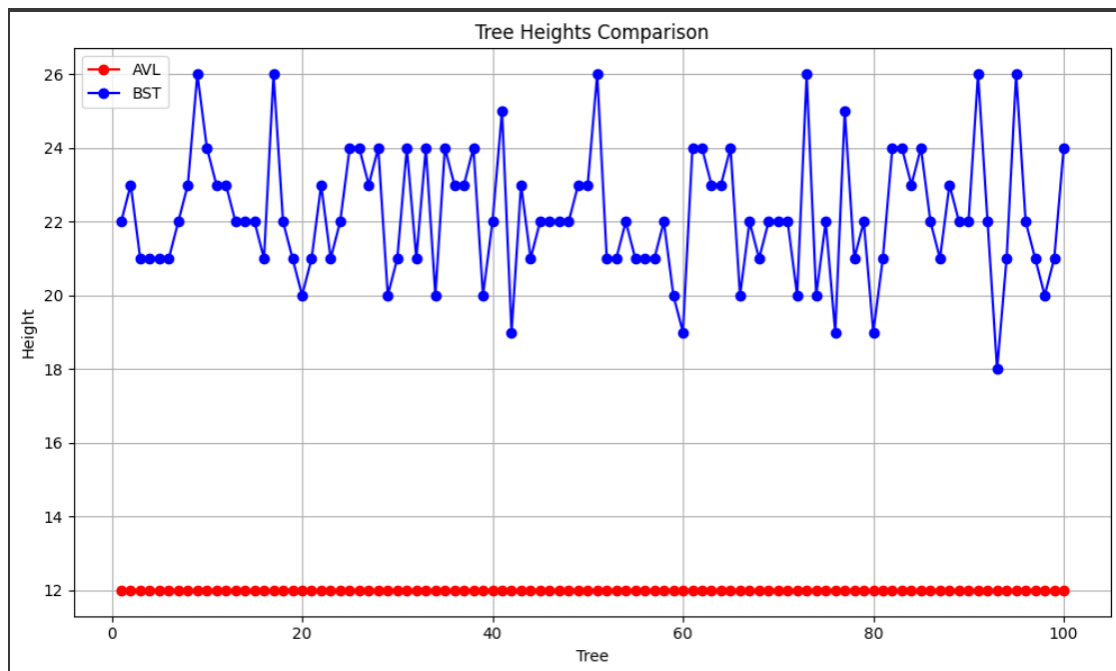
DATA STRUCTURE AND APPLICATION

ABHISHEK RAJE

BINARY AND AVL TREE

PLOTTING THE GRAPH

HEIGHT COMPARISON BETWEEN BINARY AND AVL TREE



CONCLUSION

- Since AVL Trees are self Balancing in Nature The observed is almost half of the height of non balancing Binary Tree.
- Due to the Self Balancing of AVL .More Number of Pointer operations and iterations have to be done on AVL Tree than BST.
- The Advantage of Using a AVL Tree is that we can be sure than the time complexity of Search is $O(\log n)$