Lab Exercise-4(Part-2)

Lab exercise (C/C++):

1. Implement AVL Tree using linked data structure and perform Insertion, Deletion, Search operations. And also display the tree on the console after every operation.

2. Generate a random permutation [1…n] and construct a AVL tree and perform In-order traversal for sorting a large sequence and compare with insertion sort to find out the smallest n_0 for which AVL tree-based sorting is faster than insertion sort using clock time. Do not use a parallel program for tree recursion.