Assignment - 8

(10 Oct to 15 Oct)

Q1. Write Programs to create an AVL tree for the following input.

13, 3, 4, 12, 14, 10, 5, 1, 8, 2, 7, 9, 11, 6, 18

Q2. Perform following traversals on the above AVL Tree

1. Display the height of the AVL tree formed
2. Traverse and display the AVL by doing InOrder Traversal.
3. Traverse and display the AVL by doing LrvelOrder Traversal.

Q3. Search for a particular (kth) value in given AVL tree and return its depth and position, if it exists; or return a NULL if the value is not present in the AVL tree.

Q4. Delete a particular element from the given AVL tree and then display the AVL tree and write a function to merge two given AVL Trees into a single AVL Tree.