Balanced tree lab

Bingying Jiang

A close up of text on a white background

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A screenshot of a cell phone

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After completing this assignment, I deeply realized that the AVL tree is much more complicated than BST tree. AVL requires us to know how to identify and rotate the tree to make it balanced in addition to the foundation of BST tree. It’s fairly easy for me when drawing a BST tree, comparing each new added number to its upper node, if it’s smaller than the upper node, then it goes to the left side, otherwise, it goes to the right side, vice versa. The comparison of BST trees confirms my views. While working in the AVL tree, beside using the knowledge of BST tree, I have to calculate each node’s balance factor, if one of the brs is 2, I have to rotate the tree to make it balanced. This practice does benefit me and I am getting more familiar with doing AVL tree.