Have functions for adding nodes, printing the tree in order, handling balances properly via shifting left or right, calculates height, balance, multiplicity, where the nodes are pointing too (left or right… to what names), search balancing, and tabular formatting.

Have a structure composed of left and right child pointers, string type of the names, and integer values of height, balance, and multiplicity.

Ask for user input from a file, and

while it isn’t end of file

then read in the string values.

Set a structure of tree to the add node function

Endwhile

Close the file and balance the search with a function

Print out the table the result with the in order formatting function

End program