Create a tree class.  You can use my examples as the initial guideline.

Review:

https://www.cise.ufl.edu/~nemo/cop3530/AVL-Tree-Rotations.pdf

http://www.cs.usfca.edu/~galles/visualization/AVLtree.html

http://www.cs.usfca.edu/~galles/visualization/BST.html

Functions to include:

1. insert,
2. delete,
3. balance,
4. print with the 4 types of traversals.

Show that it works by randomly filling the tree, and selectively deleting elements and then traversing the tree.