College of San Mateo

Data Abstraction and Algorithms Assignment #3-A: Binary Trees and AVL Trees

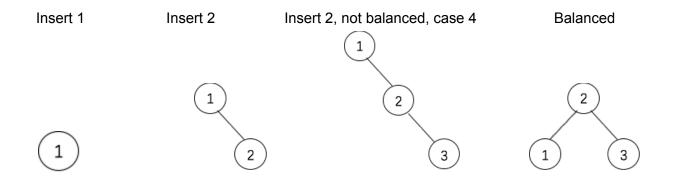
Exercise 1:

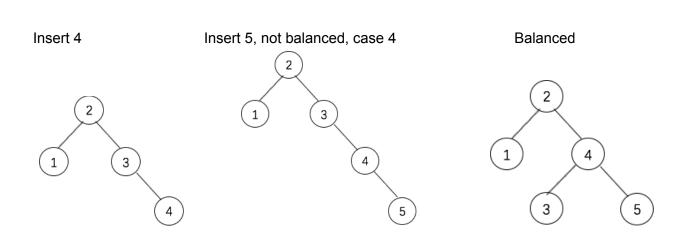
List the elements of the following binary tree in *pre-order*, *in-order* and *post-order* traversals:

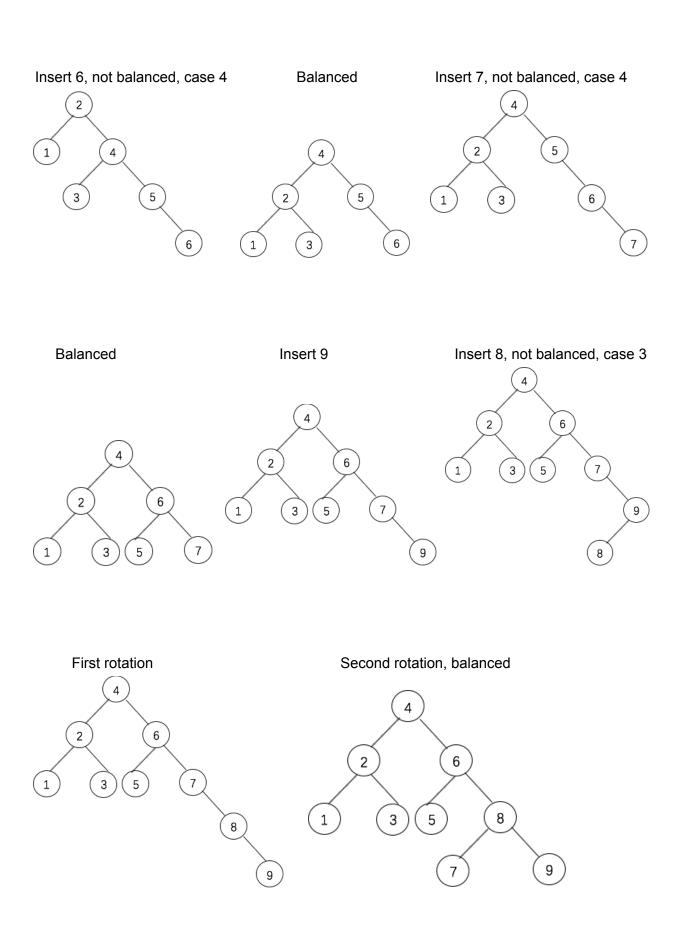
Pre-order: A H G I F E B C D In-order: G H F I E A B D C Post-order: G F E I H D C B A

Exercise 2:

Consider insertion of the following sequence of integers into an empty AVL Tree:







Exercise 3: Draw the AVL tree that would result after deleting V and then deleting F from the following AVL tree.

