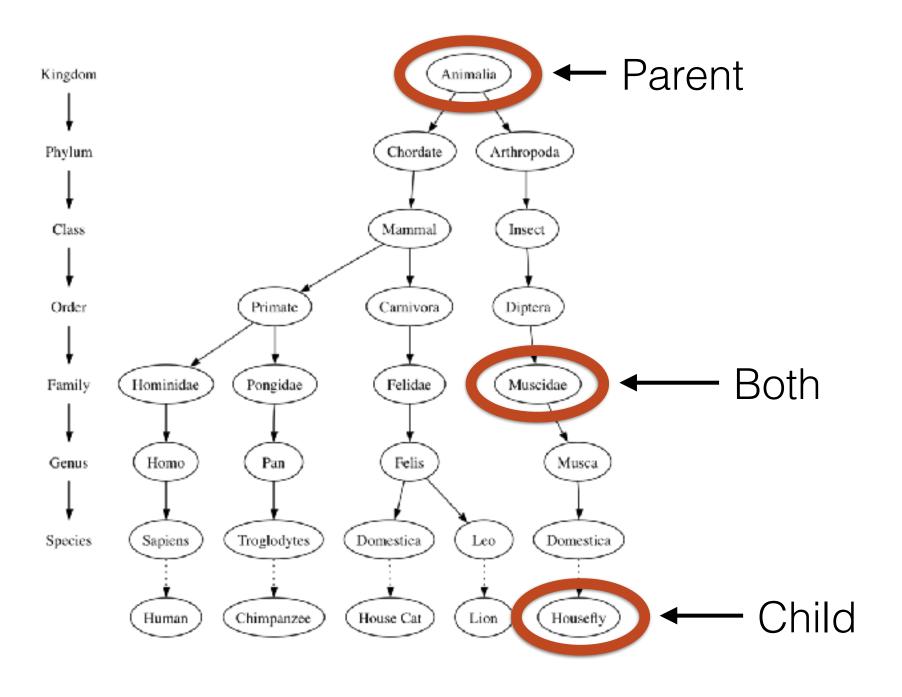
Trees



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What Is a Tree?

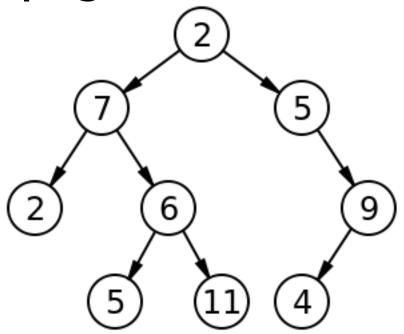


Family trees

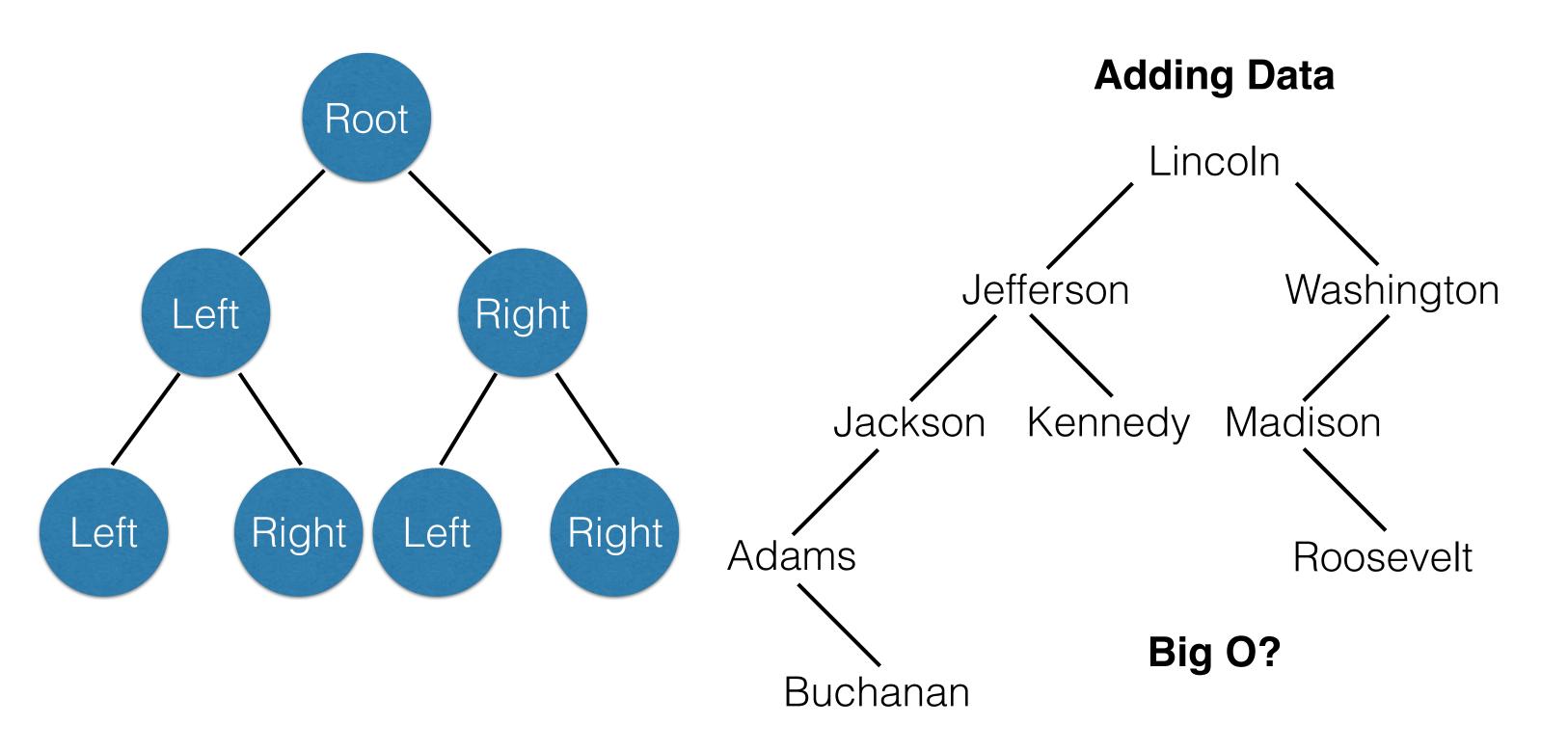
Org charts

File systems

DOM browser page



Binary Tree Characteristics



Create binary tree class

Underlying tree node structure and root

Create size method

Create add method

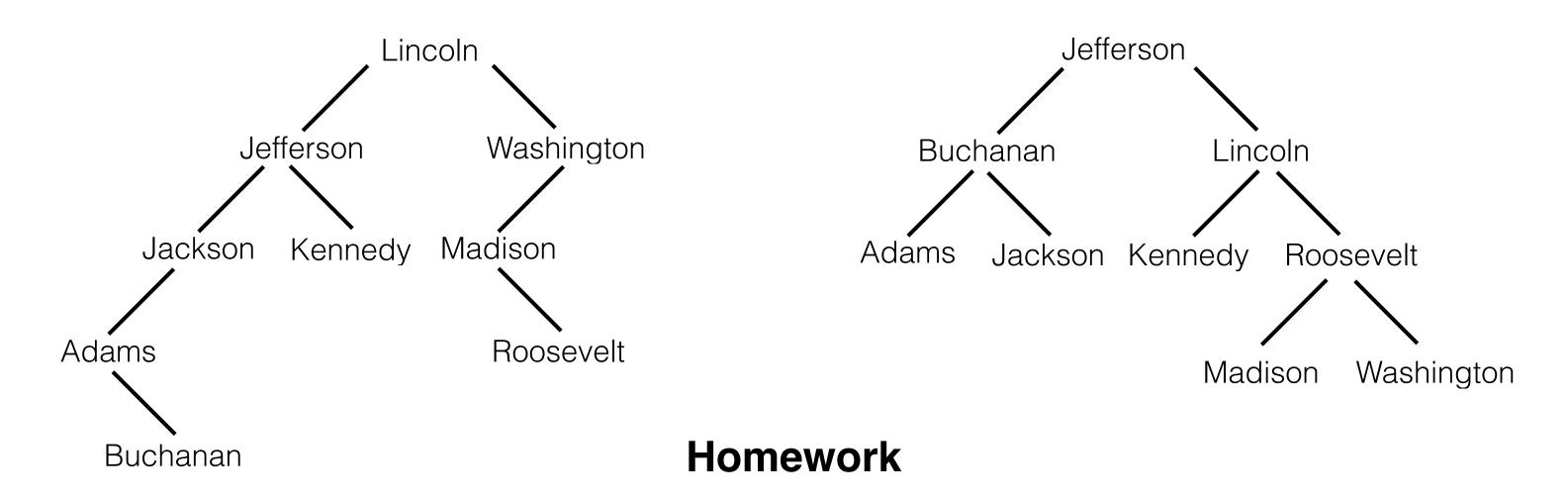
Create contains method

Create delete method

Contact Manager Test



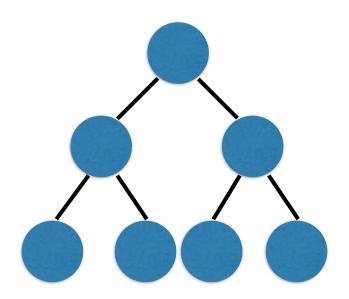
Binary Tree Extra Credit



Create a rebalance method (https://en.wikipedia.org/wiki/Tree_rotation)

Create a print() or toString() method

Core Java Trees



TreeMap<K,V>

 https://docs.oracle.com/javase/8/ docs/api/java/util/TreeMap.html

https://en.wikipedia.org/wiki/Red-black_tree

Summary

What are trees?

How binary trees work

Built the tree node and tree class

Built the add operation

Built the contains operation

Built the delete operation

Binary tree extra credit

Core Java trees