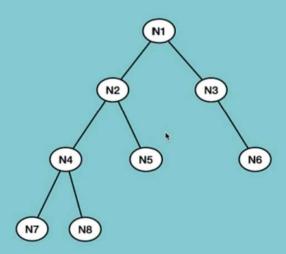
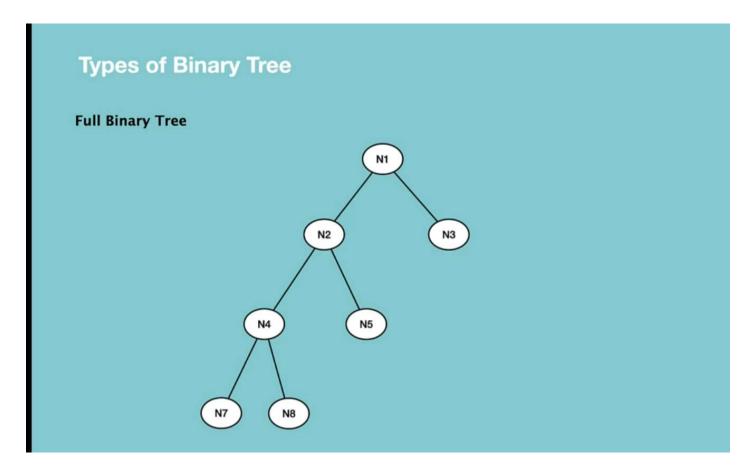
Binary Tree

- Binary trees are the data structures in which each node has at most two children, often referred to as the left and right children

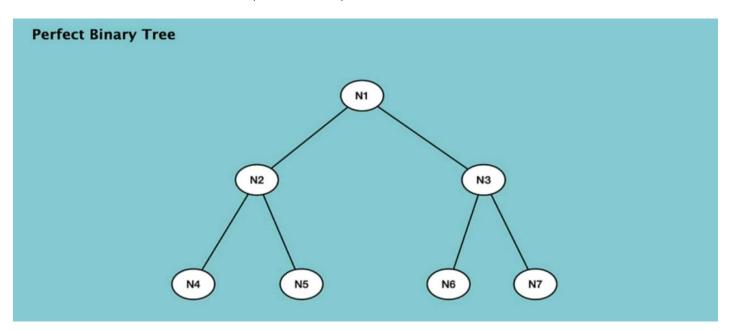


Why Binary Tree?

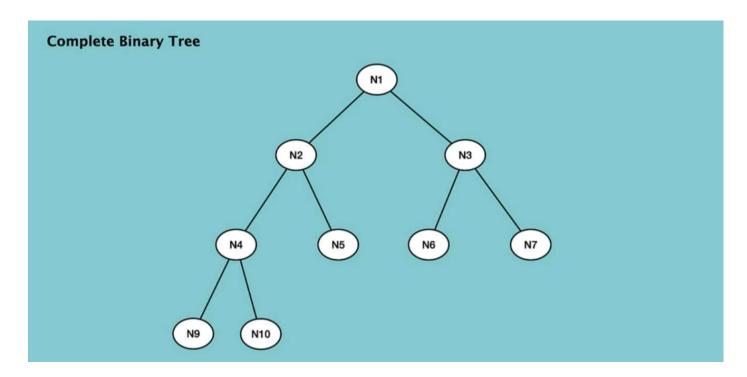
- Binary trees are a prerequisite for mode advanced trees like BST, AVL, Red Black Trees
- Huffman coding problem , heap priority problem and expression parsing problems can be solved efficiently using binary trees,



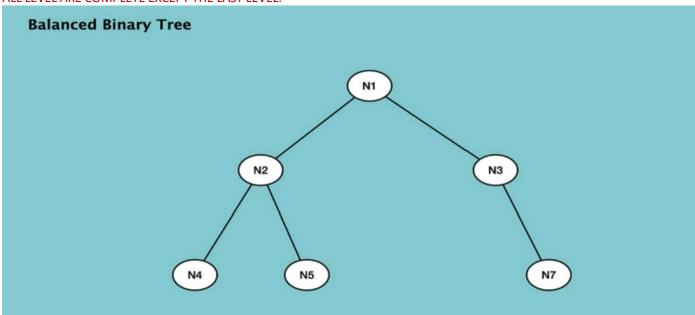
EVERY NODES HAVE EVER O OR 2 CHILDS - (NOT ONLY ONE)



ALL NON-LEAVE NODES HAVE TWO CHILDS AND ALL LEAVE-NODES ARE AT THE SAME LEVEL



ALL LEVEL ARE COMPLETE EXCEPT THE LAST LEVEL.



ALL LEAVE NODES ARE AT THE SAME DISTANCE AS THE ROOT NODE