

CS 131 Lesson 9  
Binary Trees

- Binary trees are made up of nodes.
- Each node can only have up to two branches or child nodes.
- Each node holds a value and two pointers.
- One pointer has the address of the child node on the left and the other points to the location of the child on the right of the tree.
  - Node A has two child nodes which makes up a tree ABC.
  - The rule is nodes on the left of a parent must have lower values and those on the right must have greater values than the parent node. See figure 2.

Figure 1: Basic Binary Tree Structure

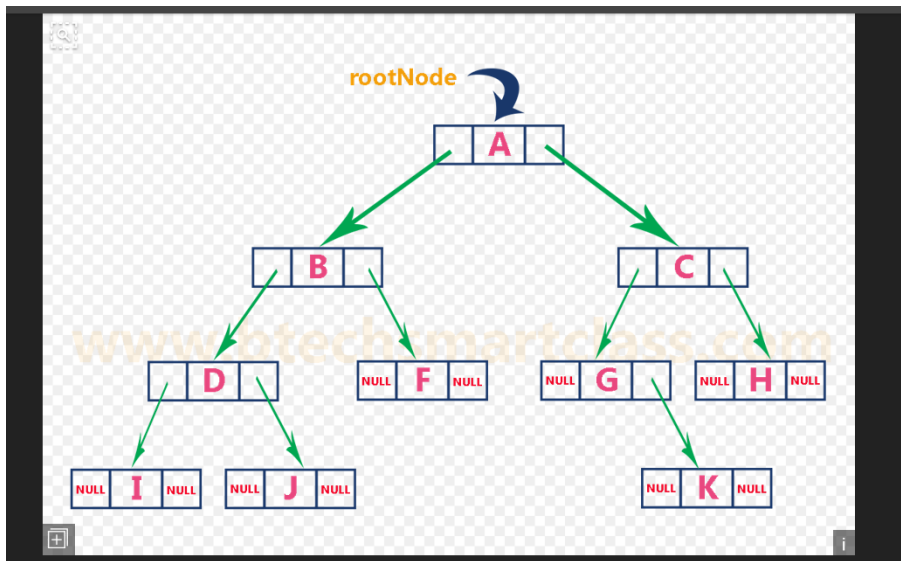


Figure 2: Values shown in each node

