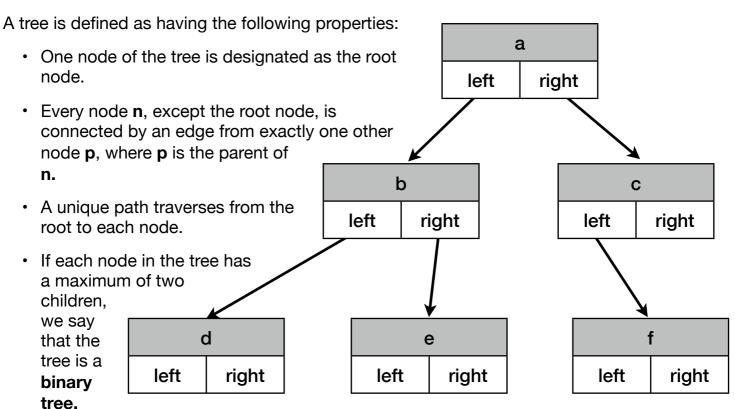
Trees



BinaryTree

root left right

getLeftChild getRightChild setRootVal getRootVal insertLeft insertRight getLeftChild() - returns the binary tree corresponding to the left child of the current node.

getRightChild() - returns the binary tree corresponding to the right child of the current node.

setRootVal(val) - stores the object in parameter val in the current node.

getRootVal() - returns the object stored in the current node.
insertLeft(val) - creates a new binary tree and installs it as
the left child of the current node. If an existing tree is present the
existing tree becomes the left node of the new tree.

insertRight(val) - creates a new binary tree and installs it as the right child of the current node. If an existing tree is present the existing tree becomes the right node of the new tree.

Implementation

Use the above class definition and method descriptions to help you produce a simple implementation of a binary tree. You may want to investigate the __str__() method that is available in Python to generate more useful messages when printing out objects.