Tree class

We create a class that will contain all methods pertaining the tree

private variable

    TNode root

constructors

public Tree() sets the root to **null**
public Tree(TreeNode r) sets the root to **r**

access methods

get and set for every private variable

methods

public void insertNode(TreeNode p) inserts in the tree the node pointed by **p**
use the algorithm in slide 7 of the file **Course Notes Unit 5 1 Data Structures II.pdf**

public void printTree() performs a depth-first printing of the tree.
use the algorithm in slide 8 of the file **Course Notes Unit 5 1 Data Structures II.pdf**

public TNode findNode(String id) returns a pointer to the node that contains **id**. If not such node is found then the method returns **null.**
use the algorithm in slide 8 of the file **Course Notes Unit 5 1 Data Structures II.pdf**

toString() method
returns the identification of the root if the root is not **null;** otherwise the method
returns the word "null"

Testing
Exercises 1, 2 of slides 10, 11 of the file **Course Notes Unit 5 1 Data Structures II.pdf**