Tree

(For the below tasks, you may want to create a binary tree manually and use the same tree for all of these tasks. However, for task 6, you need two trees; hence, prepare another)

1. **RECURSIVELY** calculate the height of a tree.

2. **RECURSIVELY** calculate the level of a Node in a tree.

3. Print elements of all the Nodes of a tree using **Pre-order Traversal**.

4. Print elements of all the Nodes of a tree using **In-order Traversal**.

5. Print elements of all the Nodes of a tree using **Post-order Traversal**.

6. Write a method which will evaluate whether two trees are **exactly same** or **not**.

7. Write a method which will return a **copy (new tree) of a given tree**.

See the pages 94~98 of “all-notes.pdf”