

**Tutorial #8**

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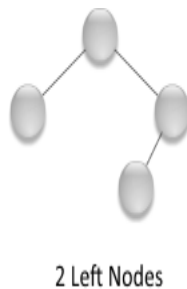
**Important:** This tutorial has an online part, which you should complete on LMS (tutorial section). The deadline for online task is Monday 21 November at 8:00 A.M

## Problem 1

Write the method **LeafNodes** part of the Binary Tree ADT. It should return the number of leaf nodes in the tree.

**Method:** *public int LeafNodes()*

**Examples:**

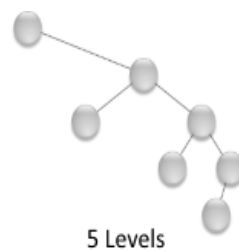
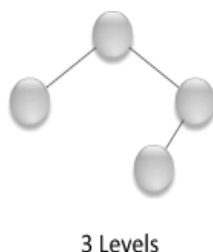


## Problem 2

Write the method **TreeHeight** part of the Binary Tree ADT. It should return the height of the tree. The height of the tree is the longest path from the root to a leaf node.

**Method:** *public int TreeHeight()*

**Example:**



### Problem 3

Write the static method **SwapMost** that takes a Binary tree **bt** and swaps the data of the left most node with the right most node.

*Method: public static <T> void SwapMost(BinaryTree<T> bt)*

**Example:**

