Data Structures and Algorithms

CURTIN UNIVERSITY (CRICOS number: 00301J) Faculty of Engineering and Science Department of Computing Data Structures and Algorithms

Practical 9

Aims:

To implement a Binary Tree.

Before the Practical:

· Read this practical sheet fully before starting.

Activity 1: Creating TreeNode

Use the lecture notes - this has already been written for you.

Activity 2: Create BinarySearchTree

Use the following template from the lecture notes.

Use the pseudo code from the lectures to guide you here. find() has already been implemented for you. The methods must all use the recursive pseudo-code from the lecture slides.

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As usual, when done, write a suitable test harness to test everything thoroughly. You can use the data from RandomNames7000.csv

Submission Deliverable:

Your completed BinarySearchTree.java class is <u>due at the beginning of your next</u> tutorial.

SUBMIT ELECTRONICALLY VIA BLACKBOARD, under the *Assessments* section.

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