Department of Statistics & Computer Science

University of Kelaniya

ACADEMIC YEAR -2023/2024 (Semester I)

COSC 21063 / BECS 21223 / COST 44233 / COST 44303

Data Structures and Algorithms

Practical Tutorial 06

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1. Consider the following sequence.

    i. 69,25,62,88,10,37,99

    ii. 32,24,6,2,39,41,30,145

    iii. 120,46,7,2,31,39,23,40

    iv. S, K, R, B, C, M, W, A, Z, X, D

    v. Mary, Tom, Bob, Wily, John, Mike, Harry, Kate, Sam, Sue

a. Build the binary search trees for the given sequences.

b. Write a program to check the preorder, inorder, and postorder traversals for the binary search trees built in part (a).