

CC4 Laboratory Activity #8
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Topics Covered: Binary Search Trees

Estimated Completion Time: 3 meetings (6 hours)

Objectives:

1. To appreciate and understand how BSTs are represented using arrays.
2. To be able to simulate insertion and deletion of elements/nodes from a BST using Binary Search.

Problem: Create a running program that simulates how BSTs are represented using arrays by:

- a. Asking the user to input any series of integers in an array.
- b. Writing the appropriate algorithm to build a BST out of the given inputs.
- c. Displaying the array representation of the BST.
- d. Allowing the user to Insert and Delete elements/nodes as needed.
- e. Displaying the resulting changes in the BST.