**CSE 281: Data structures and Algorithms Lab**

**Lab Sheet 9**

**Binary Search Tree**

*Instructions: Write java programs and algorithms for question 1 and question 2.*

*Reference to java API is available at :* [*http://192.168.0.48/javadocs/api/index.html*](http://192.168.0.48/javadocs/api/index.html)*.*

1. Create a binary search tree by inserting following elements: 100, 50, 75, 300, 250, 20, 70, 400, 150 and 80.
2. Perform inorder, preorder and post order traversal of the above BST.
3. Search the following elements and display proper message: 20, 25,250.
4. Using search function, display minimum and maximum elements in the tree.
5. Delete nodes 20, 75, 300,100. Display the elements of the tree using inorder traversal after each deletion operation.