Problem Set 8

1. Find an element in Binary Search Tree
2. Find the minimum element in a BST.
3. Find the maximum element in a BST.
4. Insert an element in a BST.
5. Delete an element in a BST.
6. Give an algorithm to find the shortest path between two nodes in a BST.
7. Find Least Common Ancestor of two nodes in a BST.
8. Check if a given tree is a BST or not.
9. Convert a BST into a doubly linked list.
10. Convert a sorted doubly linked list into a balanced BST.
11. Convert a sorted array into a BST.
12. Find kth smallest element in a BST.
13. Given an integer, find max element in BST <= integer and min element in BST > integer.
14. Find union and intersection of two BST.
15. Print all elements in BST in range [a, b] where a and b are integers.
16. Check if two BST(s) have the same set of data (not necessarily in the same order).