

CS 140A - Homework 4  
Due Friday, November 7

1. Insert the integers 7, 2, 9, 0, 5, 6, 8, 1 into an initially empty binary search tree. Show the final tree.
2. Show the result of deleting 7 from the above tree.

Do the following exercises from the book:

3. 13.1 – 1
4. 13.2 – 1
5. 13.2 – 6
6. 13.3 – 2
7. 14.1 – 1
8. 14.2 – 1
9. 14.3 – 3
10. 14.4 – 4
  
11. Show each step of the 2-3 tree if we insert the elements 5, 2, 7, 0, 3, 4, 6, 1, 8, 9 into an initially empty tree.
12. Show the result of removing 3 from the 2-3 tree that results from the problem above.