Lecture 11 Exercise Solutions

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Exercise 1

- Nodes visited when searching for 7: 10, 5, 7

- Nodes visited when searching for 20: 10, 20

- Nodes visited when searching for 23: 10, 20, 42, 23

- 9 would be inserted as the right child of 7

- 17 would be inserted as the right child of 15

- 21 would be inserted as the left child of 23

- 3 would be inserted as the right child of 2

- 42 would be inserted as the left child of 64

For the remaining coding solutions, see OrderedSimpleTree280.java.