

## Binary Search Trees

Directions: You are given a stack of cards, each card contains a number and a word. Insert the cards into a binary tree, in the order they are given, using the number as the sort key. Then read from your binary tree (in-order traversal), and write the words corresponding to each node in the tree. You may use scrap paper, but put your final tree in the space below.

100 list

95 able

50 must

200 from

150 terms

40 you

105 of

98 read

60 be

99 a

210 binary

205 a

96 to

220 tree

Binary Search Tree:

In-order Traversal

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|     |       |
|-----|-------|
| 150 | terms |
|-----|-------|

|     |      |
|-----|------|
| 220 | tree |
|-----|------|

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| 96 | to |
|----|----|

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| 105 | of |
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| 99 | a |
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|     |   |
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| 205 | a |
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| 95 | able |
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|    |      |
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| 50 | must |
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| 60 | be |
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| 98 | read |
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| 200 | from |
|-----|------|

|     |        |
|-----|--------|
| 210 | binary |
|-----|--------|

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|----|-----|
| 40 | you |
|----|-----|

|     |      |
|-----|------|
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