Elementary Symbol Tables

The **hard deadline** for this quiz is **Sat 5 Dec 2015 8:59 PM PST (UTC -0800)**.

To specify an array or sequence of values in an answer, you must separate the values by a single space character (with no punctuation and with no leading or trailing whitespace). For example, if the question asks for the first ten powers of two (starting at 1), the only accepted answer is:

1 2 4 8 16 32 64 128 256 512

If you wish to discuss a particular question and answer in the forums, please post the entire question and answer, including the seed (which is used by the course staff to uniquely identify the question) and the explanation (which contains the correct answer).

☐ **In accordance with the Coursera Honor Code, I (Atul Gupta) certify that the answers here are my own work.**

Question 1

```
(seed = 172012)
Given a BST whose level order traversal is:

    39 20 40 25 71 52 78 53 74 96

Suppose that you search for the key 69. What is the sequence of keys
in the BST that are compared with 69 during the search miss?
```

Question 2

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(seed = 398999)
Give the level order traversal of the BST that results after inserting
the following sequence of keys into an initially empty BST:

    30 58 57 89 38 10 49 42 29 90
```

Question 3

```
(seed = 821215)
Given a BST whose level order traversal is:

    27 12 41 26 34 57 13 28 93 68 71 86

What is the level order traversal of the resulting BST after Hibbard deleting
the following three keys?

    13 93 41
```

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Submit Answers   Save Answers

You cannot submit your work until you agree to the Honor Code. Thanks!

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