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CS213 Q 1: Lecture 8: Consider an empty binary search tree (BST). The following integer values are inserted: 10, 15, 5, 3, 7, 12, 18. Now, evaluate the following statements and select the true and false options based on this tree:

The value 12 must be in the left subtree of the root

The root of the tree is 10.

If the tree is traversed in-order, the value 3 will appear before 15.

The root of the tree have exactly one child.

Answer

Note: please be careful before submitting the answer. You will not be able to change the answers.

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CS213 Q 1: Lecture 8: Consider an empty binary search tree (BST). The following integer values are inserted: 10, 15, 5, 3, 7, 12, 18. Now, evaluate the following statements and select the true and false options based on this tree:

You have answered the following:

The value 12 must be in the left subtree of the root. (You are correct)

The root of the tree is 10. (You are correct)

If the tree is traversed in-order, the value 3 will appear before 15. (You are incorrect)

The root of the tree have exactly one child. (You are correct)

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