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CS213 Q 1: Lecture 9: Imagine a Binary Search Tree (BST) initialized with the following integer values: 15, 10, 20, 5, 12, 18, 25. Now, perform the following operations: Insert the value 17. Delete the value 20. After these operations, evaluate the following statements:

The tree contains the value 17.

The value 12 will be a direct child of the value 5 after the operations.

The left child of the value 18 will be 17 after inserting 17

The value 5 is a right child of the value 10.

Answer

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

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You have answered the following:

- The tree contains the value 17. (You are correct)
- The value 12 will be a direct child of the value 5 after the operations. (You are correct)
- The left child of the value 18 will be 17 after inserting 17 (You are incorrect)
- The value 5 is a right child of the value 10. (You are correct)

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