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CS213 Q 1: Lecture 5: Consider a binary tree with the following inorder and preorder traversals: Inorder: D B E A F C Preorder: A B D E C F Select all the true statements regarding the given traversals and the tree structure.

The left subtree of the root includes the nodes 'D', 'B', and 'E' The left child of A is B, and the right child of A is C.

The root of the tree is 'A'.

The node F is the right child of C in the binary tree.

The subtree rooted at C has F as its left child and B as its right 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 5: Consider a binary tree with the following inorder and preorder traversals: Inorder: D B E A F C Preorder: A B D E C F Select all the true statements regarding the given traversals and the tree structure.

You have answered the following:

✓ The left subtree of the root includes the nodes 'D', 'B', and 'E' The left child of A is B, and the right child of A is C. (You are correct)
✓ The root of the tree is 'A'. (You are correct)
✗ The node F is the right child of C in the binary tree. (You are correct)
✗ The subtree rooted at C has F as its left child and B as its right child. (You are correct)

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