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General Questions

Practice Questions

Q1. What is the result of a level-order traversal of a binary tree?

A. Nodes are visited from top to bottom and left to right
B. Nodes are visited from bottom to top and right to left
C. Nodes are visited in sorted order
D. Nodes are visited in reverse order

Solution: Level-order traversal visits nodes level by level, starting from the root and moving from left to right.

Q2. Which algorithm is used to find the height of a binary tree?

A. Depth-first search
B. Breadth-first search
C. Dynamic programming
D. Greedy algorithm

Solution: Depth-first search (DFS) is commonly used to calculate the height of a binary tree by recursively exploring each branch.

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