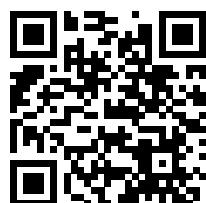




SoulShift - Educational Q&A Platform

General Questions

Practice Questions



Q1. How does a Red-Black tree ensure balance after deletion?

- A. By performing rotations and recoloring.
- B. By deleting the node and not balancing.
- C. By merging nodes.
- D. By increasing the height of the tree.

Solution: After deletion in a Red-Black tree, balance is restored through a combination of rotations and recoloring.

Q2. Which traversal method can be used to obtain a sorted order of elements in an AVL tree?

- A. In-order traversal
- B. Pre-order traversal
- C. Post-order traversal
- D. Level-order traversal

Solution: In-order traversal of an AVL tree will yield the elements in sorted order.



