SoulShift

# 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.*

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