



# **SoulShift - Educational Q&A Platform**

## **General Questions**

Practice Questions



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**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.*



