SoulShift

SoulShift – Educational Q&A Platform

General Questions

Practice Questions

Q1. Which of the following operations is performed to maintain the balance of an AVL tree after insertion?

A. Rotation
B. Traversal
C. Rearrangement
D. Deletion

Solution: After an insertion in an AVL tree, rotations (single or double) are performed to maintain the balance property.

Q2. Which of the following applications is best suited for AVL trees?

A. Database indexing.
B. Memory management.
C. Real-time applications.
D. Static data storage.

Solution: AVL trees are well-suited for database indexing where frequent searches are required due to their balanced nature.

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