



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

### **General Questions**

Practice Questions



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**Q1. What is the output of the following Python code for a binary tree traversal: 'preorder\_traversal(root)'?**

- A. Left, Root, Right
- B. Root, Left, Right
- C. Left, Right, Root
- D. Right, Left, Root

*Solution: Preorder traversal visits the root node first, followed by the left subtree and then the right subtree, resulting in 'Root, Left, Right'.*

**Q2. What is the primary purpose of a binary tree?**

- A. To store data in a linear fashion
- B. To facilitate quick searching and sorting
- C. To represent hierarchical data
- D. To implement stacks and queues

*Solution: Binary trees are primarily used to represent hierarchical data structures, such as file systems or organizational structures.*



