



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

### **General Questions**

Practice Questions



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**Q1. What is the maximum number of nodes at level 'h' of a binary tree?**

- A. h
- B.  $2^h$
- C.  $2^{h+1} - 1$
- D.  $h^2$

*Solution: The maximum number of nodes at level 'h' in a binary tree is  $2^h$ , where h is the level number starting from 0.*

**Q2. In a binary tree, what does it mean if a node has two children?**

- A. It is a leaf node
- B. It is a full node
- C. It is a parent node
- D. It is a root node

*Solution: A node with two children is referred to as a full node, as it has both left and right children.*



