



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

### **General Questions**

Practice Questions



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**Q1. In a binary search tree, what is the maximum number of nodes at depth 'd'?**

- A.  $2^d$
- B.  $2^{(d+1)} - 1$
- C.  $d^2$
- D.  $d!$

*Solution: In a binary search tree, the maximum number of nodes at depth 'd' is  $2^d$ , as each node can have two children.*



