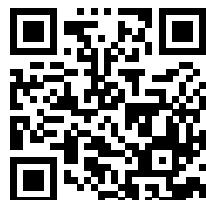




## **SoulShift - Educational Q&A Platform**

### **General Questions**

Practice Questions



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**Q1. What is the time complexity of inserting an element into a max-heap?**

- A.  $O(1)$
- B.  $O(\log n)$
- C.  $O(n)$
- D.  $O(n \log n)$

*Solution: Inserting an element into a max-heap requires maintaining the heap property, which takes  $O(\log n)$  time.*



