



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

## **General Questions**

Practice Questions



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**Q1. What is the primary goal of dynamic programming?**

- A. To minimize space usage
- B. To find the optimal solution
- C. To sort data efficiently
- D. To traverse graphs

*Solution: The primary goal of dynamic programming is to find the optimal solution to problems by breaking them down into simpler subproblems.*

**Q2. Which of the following is a common application of dynamic programming in numerical applications?**

- A. Matrix multiplication
- B. Finding the shortest path
- C. Sorting algorithms
- D. Binary search

*Solution: Finding the shortest path in a graph is a common application of dynamic programming.*



