



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

### **General Questions**

Practice Questions



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**Q1. Which algorithm is typically used to find the shortest path in a weighted graph?**

- A. BFS
- B. DFS
- C. Dijkstra's Algorithm
- D. Prim's Algorithm

*Solution: Dijkstra's Algorithm is used to find the shortest path in a weighted graph.*

**Q2. What is the primary difference between BFS and DFS?**

- A. BFS uses a stack, DFS uses a queue
- B. BFS explores nodes level by level, DFS explores as far as possible along a branch
- C. BFS is faster than DFS
- D. DFS is always more memory efficient than BFS

*Solution: The primary difference is that BFS explores nodes level by level, while DFS explores as far as possible along a branch before backtracking.*



