

Exam Prep Strategy DSA



I have a mid term exam on Data Structures and Algorithm course tomorrow. The syllabus includes basics of Data Structures, Arrays and LinkedLists. I don't know how to get started with preparations. I have the previous year's exam questions as well and we will have to study Definitions of concepts and write algorithms for given problems. Suggest me a solution

Here's a structured way to prepare efficiently:

Step 1: Review Key Concepts (2-3 hours)

- Go through **definitions** of fundamental data structures (arrays, linked lists, stacks, queues, etc.).
- Understand their **advantages, disadvantages, and use cases**.
- Revise **basic operations** (insertion, deletion, searching, traversal) for arrays and linked lists.
- Focus on **time and space complexities** of these operations.

Step 2: Study Algorithms (2-3 hours)

- Learn how to write algorithms for **insertion, deletion, searching, and traversal** for arrays and linked lists.
- Practice **dry-running** these algorithms on paper.

Step 3: Solve Previous Year's Questions (2 hours)

- Go through past exam papers and try answering them **without looking at solutions first**.
- Compare with correct answers and note where you went wrong.

Step 4: Flashcards & Revision (1-2 hours)

- Create short notes or flashcards for quick revision of definitions and key points.
- Recap commonly asked algorithms before sleeping.

Would you like help with any specific topic or past exam question?

ChatGPT can make mistakes. Check important info.