Courses   Practice   Roadmap   Pro

Algorithms and Data Structures for Beginners

5 / 35

About

0   **Introduction**   FREE

Arrays

1   RAM   FREE

2   Static Arrays

3   Dynamic Arrays

4   Stacks

Linked Lists

0 - Introduction

00:49

☐   Mark Lesson Complete   Prev   **Next**

| 5 | **Singly Linked Lists** | FREE |

Introduction

About

Before starting the course, let's go a little bit over what will be taught, who it is for and what you will need to succeed.

This course covers all of the fundamental data structures and algorithms required to succeed in technical interviews.

Who is this course for?

If you are someone who is a beginner, this course is for you. If you need a refresher, or are trying to switch careers, this course is also for you.

Content of the course

In technical interviews, you will be expected to code up an efficient algorithm, talk comfortably about the design, analysis and tradeoffs of a specific algorithm. Being able to succinctly perform these tasks in a timely fashion and communicate your ideas in a coherent manner is what can make the difference in thousands of dollars of compensation.

Topics Covered

1. Arrays

2. Linked Lists

3. Recursion

4. Sorting

5. Binary Search

6. Trees

7. Backtracking

8. Heap/Priority Queue

9. Hashing

10. Graphs

11. Dynamic Programming

12. Bit Manipulation

Let's get started when you are ready.

Github   **Privacy**   **Terms**