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Development

Software Engineering

Coding Interview



Preview this course

Beat the Codility Coding Interview in Java

Learn and practice how to solve many coding puzzles from Codility using Java

4.6 ★★★★★ (366 ratings) 1,290 students

Created by [James Cutajar](#)

Last updated 7/2020

English

English [Auto]

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- ✓ Have a greater chance of passing the coding interview with codility, hackerrank and others
- ✓ Have a better chance of doing well in a face to face or phone coding interview

Course content

14 sections • 83 lectures • 5h 47m total length

[Expand all sections](#)

^ Introduction

- ▶ [Make most of this course](#)
- 📄 Useful links and resources

^ Time Complexity

- ▶ Quick recap on Complexity Theory
- ▶ Perm Missing Element Problem
- ▶ Perm Missing Element Hint 1
- ▶ Perm Missing Element Hint 2
- ▶ Perm Missing Element Solution
- ▶ Perm Missing Element Code Walkthrough
- ▶ Equilibrium Problem

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- ▶ Cyclic Rotation Solution
- ▶ Cyclic Rotation Code Walkthrough

^ Counting Elements

- ▶ What do we mean by Counting Elements?
- ▶ Max Counters Problem
- ▶ Max Counters Hint 1
- ▶ Max Counters Hint 2
- ▶ Max Counters Solution
- ▶ Max Counters Code Walkthrough

^ Stacks and Queues

- ▶ The basics around Stacks and Queues
- ▶ Brackets Problem
- ▶ Brackets Hint
- ▶ Brackets Solution
- ▶ Brackets Code Walkthrough
- ▶ Fish Problem
- ▶ Fish Hint

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^ **Maximum Slice Problem**

- ▶ Introduction to the Maximum Sub Array problem
- ▶ Max Profit Problem
- ▶ Max Profit Hint
- ▶ Max Profit Solution
- ▶ Max Profit Code Walkthrough

^ **Sorting**

- ▶ Overview of different Sorting Algorithms
- ▶ Disc Intersection Problem
- ▶ Disc Intersection Hint
- ▶ Disc Intersection Solution
- ▶ Disc Intersection Code Walkthrough

^ **Prefix Sums**

- ▶ How to generate prefix sums
- ▶ Passing Cars Problem
- ▶ Passing Cars Hint
- ▶ Passing Cars Solution

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- ▶ Flags Problem
- ▶ Flags Hint 1
- ▶ Flags Hint 2
- ▶ Flags Solution
- ▶ Flags Code Walkthrough

4 more sections

Requirements

- Java programming language
- Basic understanding of data structures and algorithms

Description

This course has been designed to help you pass your next coding interview. It focuses on puzzles from Codility's training lessons, so if you have an online coding test coming up, this course is perfect for you.

The key to passing coding interviews is to practice as much as possible by solving various types of coding puzzles. In doing so you sharpen your problem solving skills and eventually you will start to see patterns amongst the different coding solutions. You also increase your chances of being asked a problem you've already solved.

In this course you'll get to practice many of these coding puzzles. In every section we introduce the topic, explain the problem and later provide you with a few hints that help solve the puzzle. In the end we arrive at the solution together.

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