

Coding Interview Questions 1st Edition Narasimha Karumanchi

We present 240 challenging data structures, algorithm, code optimization, java, database and C programming interview questions and answers for IT professionals to practice. This book will help you crack any programming interview. The reader is encouraged to solve the problem himself/herself before checking the answers. Sample "Coding Interview Questions and Answers" can be downloaded from the website crackingthecodinginterview.in

"Coding Interview Questions" is a book that presents interview questions in simple and straightforward manner with a clear-cut explanation. This book will provide an introduction to the basics. It comes handy as an interview and exam guide for computer scientists.

Having Trouble with the Technical Interview? Are you contemplating a job change? Are you ready to begin the interview process? Is this your first interview experience? Perhaps you have been through this process multiple times. Do you find the programming interview process intimidating and overwhelming? Don't let fear and apprehension keep you from performing at your best during your next coding interview. A Technical Interview Preparation

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Framework During my years in the software engineering industry, I've been on both sides of the technical interview table numerous times. I have interviewed hundreds of Java developers and software engineers. I've played key roles in improving the software engineer hiring and recruiting processes at some large organizations. I've conducted the coding or programming interview, the generic technical interview, the core Java interview, the case interview, and the problem-solving interview. During this process, I've discovered that not all programming interviews are created equal. There are numerous coding and non-coding questions that can be used to help indicate the quality of a particular software engineering candidate. Leveraging those experiences, I will outline a framework that will help you understand the ideal time to change jobs, provide guidance on which organizations to seek out or avoid, and then guide you through the preparation and interview process in a way that will help you best represent yourself when it is time to showcase your talents and skills. Preparation is the key to a successful coding interview. This book will help set the expectations on what things an interviewer looks for in a technical candidate. Interview Questions and Answers There are a number of questions that you should have answered prior to your next interview. You need to understand what motivations are driving your job

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search. You should know what kinds of questions an interviewer is likely to ask you, and what level of importance is applied to your answers to various questions and question types. While a Java developer would expect to see core Java questions, and a .Net developer would expect to see core .Net questions, there are a host of other topic areas that are important to the interviewer. You will find the following included in this book. Questions you should ask yourself when thinking about a job switch.

Questions to ask your interviewer to help determine the organizational health of your potential employer.

Characteristics of a great software engineer.

Essential software engineer skills and competencies, both coding and non-coding related. The types of interview questions you may encounter. Checklist to help you prepare for your next interview. Interview questions you may be asked, and what the interviewer is looking for in your answers. Questions you should ask your interviewer, and the answers you should be looking for.

Become the applicant Google can't turn down

Cracking the Tech Career is the job seeker's guide to landing a coveted position at one of the top tech firms. A follow-up to *The Google Resume*, this book provides new information on what these companies want, and how to show them you have what it takes to succeed in the role. Early planners will learn what to study, and established professionals will discover

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how to make their skillset and experience set them apart from the crowd. Author Gayle Laakmann McDowell worked in engineering at Google, and interviewed over 120 candidates as a member of the hiring committee ? in this book, she shares her perspectives on what works and what doesn't, what makes you desirable, and what gets your resume saved or deleted. Apple, Microsoft, and Google are the coveted companies in the current job market. They field hundreds of resumes every day, and have their pick of the cream of the crop when it comes to selecting new hires. If you think the right alma mater is all it takes, you need to update your thinking. Top companies, especially in the tech sector, are looking for more. This book is the complete guide to becoming the candidate they just cannot turn away. Discover the career paths that run through the top tech firms Learn how to craft the perfect resume and prepare for the interview Find ways to make yourself stand out from the hordes of other applicants Understand what the top companies are looking for, and how to demonstrate that you're it These companies need certain skillsets, but they also want a great culture fit. Grades aren't everything, experience matters, and a certain type of applicant tends to succeed. Cracking the Tech Career reveals what the hiring committee wants, and shows you how to get it.

Essential C Programming Skills-Made Easy-Without

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Fear! Write powerful C programs...without becoming a technical expert! This book is the fastest way to get comfortable with C, one incredibly clear and easy step at a time. You'll learn all the basics: how to organize programs, store and display data, work with variables, operators, I/O, pointers, arrays, functions, and much more. C programming has never been this simple! This C Programming book gives a good start and complete introduction for C Programming for Beginner's. Learn the all basics and advanced features of C programming in no time from Bestselling Programming Author Harry. H. Chaudhary. This Book, starts with the basics; I promise this book will make you 100% expert level champion of C Programming. This book contains 1000+ Live C Program's code examples, and 500+ Lab Exercise & 200+ Brain Wash Topic-wise Code book and 20+ Live software Development Project's. All what you need ! Isn't it ? Write powerful C programs...without becoming a technical expert! This book is the fastest way to get comfortable with C, one incredibly clear and easy step at a time. You'll learn all the basics: how to organize programs, store and display data, work with variables, operators, I/O, pointers, arrays, functions, and much more. (See Below List)C programming has never been this simple! Who knew how simple C programming could be? This is today's best beginner's guide to writing C programs—and to learning skills you can use with

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practically any language. Its simple, practical instructions will help you start creating useful, reliable C code. This book covers common core syllabus for BCA, MCA, B.TECH, BS (CS), MS (CS), BSC-IT (CS), MSC-IT (CS), and Computer Science Professionals as well as for Hackers. This Book is very serious C Programming stuff: A complete introduction to C Language. You'll learn everything from the fundamentals to advanced topics. If you've read this book, you know what to expect a visually rich format designed for the way your brain works. If you haven't, you're in for a treat. You'll see why people say it's unlike any other C book you've ever read. Learning a new language is no easy. You might think the problem is your brain. It seems to have a mind of its own, a mind that doesn't always want to take in the dry, technical stuff you're forced to study. The fact is your brain craves novelty. It's constantly searching, scanning, waiting for something unusual to happen. After all, that's the way it was built to help you stay alive. It takes all the routine, ordinary, dull stuff and filters it to the background so it won't interfere with your brain's real work--recording things that matter. How does your brain know what matters? (A) 1000+ Live C Program's code examples, (B) 500+ Lab Exercises, (C) 200+ Brain Wash Topic-wise Code (D) 20+ Live software Development Project's. (E) Learn Complete C- without fear, . || Inside Chapters. || 1.

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Preface – Page-6, || Introduction to C. 2. Elements of C Programming Language. 3. Control statements (conditions). 4. Control statements (Looping). 5. One dimensional Array. 6. Multi-Dimensional Array. 7. String (Character Array). 8. Your Brain on Functions. 9. Your Brain on Pointers. 10. Structure, Union, Enum, Bit Fields, Typedef. 11. Console Input and Output. 12. File Handling In C. 13. Miscellaneous Topics. 14. Storage Class. 15. Algorithms. 16. Unsolved Practical Problems. 17. PART-II-120+ Practical Code Chapter-Wise. 18. Creating & Inserting own functions in Library. 19. Graphics Programming In C. 20. Operating System Development –Intro. 21. C Programming Guidelines. 22. Common C Programming Errors. 23. Live Software Development Using C.

We present 190 interesting java, database and C programming interview questions and answers for readers to practice and crack any programming interview. The reader is encouraged to try the programming questions himself/herself before checking the answers.

This book contains over 300 awesome coding interview questions. It is ideally suited for preparing for programming interviews conducted by top technology companies such as Google, Facebook, Amazon, Microsoft, etc. The questions in the book have been carefully selected so that they represent the most frequently asked questions in interviews.

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The solutions are clearly explained with plenty of diagrams and comments in the code so that you can easily understand. So if you are looking for saving precious time and effort for preparing for an interview then this is the right book for you. Wishing you all the best for the interviews ahead!

I wanted to compute 80th term of the Fibonacci series. I wrote the rampant recursive function, `int fib(int n){ return (1==n || 2==n) ? 1 : fib(n-1) + fib(n-2); }` and waited for the result. I wait... and wait... and wait... With an 8GB RAM and an Intel i5 CPU, why is it taking so long? I terminated the process and tried computing the 40th term. It took about a second. I put a check and was shocked to find that the above recursive function was called 204,668,309 times while computing the 40th term. More than 200 million times? Is it reporting function calls or scam of some government? The Dynamic Programming solution computes 100th Fibonacci term in less than fraction of a second, with a single function call, taking linear time and constant extra memory. A recursive solution, usually, neither pass all test cases in a coding competition, nor does it impress the interviewer in an interview of company like Google, Microsoft, etc. The most difficult questions asked in competitions and interviews, are from dynamic programming. This book takes Dynamic Programming head-on. It first explain the concepts with simple examples and then deep dives into

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complex DP problems.

This book is about coding interview questions from software and Internet companies. It covers five key factors which determine performance of candidates: (1) the basics of programming languages, data structures and algorithms, (2) approaches to writing code with high quality, (3) tips to solve difficult problems, (4) methods to optimize code, (5) soft skills required in interviews. The basics of languages, algorithms and data structures are discussed as well as questions that explore how to write robust solutions after breaking down problems into manageable pieces. It also includes examples to focus on modeling and creative problem solving. Interview questions from the most popular companies in the IT industry are taken as examples to illustrate the five factors above. Besides solutions, it contains detailed analysis, how interviewers evaluate solutions, as well as why they like or dislike them. The author makes clever use of the fact that interviewees will have limited time to program meaningful solutions which in turn, limits the options an interviewer has. So the author covers those bases. Readers will improve their interview performance after reading this book. It will be beneficial for them even after they get offers, because its topics, such as approaches to analyzing difficult problems, writing robust code and optimizing, are all essential for high-performing coders.

If you are a skilled Java programmer but are concerned about the Java coding interview process, this real-world guide can help you land your next position. Java is a popular and powerful language that is a virtual requirement for businesses making use of IT in their daily operations. For Java programmers, this reality offers job security and a wealth of employment opportunities. But that perfect Java coding job won't be available if you can't ace the interview. If you are a

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Java programmer concerned about interviewing, JavaProgramming Interviews Exposed is a great resource to prepare for your next opportunity. Author Noel Markham is both an experienced Java developer and interviewer, and has loaded his book with real examples from interviews he has conducted. Review over 150 real-world Java interview questions you are likely to encounter Prepare for personality-based interviews as well as highly technical interviews Explore related topics, such as middleware frameworks and server technologies Make use of chapters individually for topic-specific help Use the appendix for tips on Scala and Groovy, two other languages that run on JVMs Veterans of the IT employment space know that interviewing for a Java programming position isn't as simple as sitting down and answering questions. The technical coding portion of the interview can be akin to a difficult puzzle or an interrogation. With JavaProgramming Interviews Exposed, skilled Java coders can prepare themselves for this daunting process and better arm themselves with the knowledge and interviewing skills necessary to succeed.

Data Science Interviews Exposed offers data science career advice and REAL interview questions to help you get the six-figures salary jobs! A data science job is extremely rewarding. It empowers you to make real impact in the world! And besides, it offers competitive salaries, and it develops your creative as well as quantitative skills. No wonder the data science job is rated as one of the sexiest jobs in 21st century. So what are you waiting for? Are you still wondering how to join data science work force? Are you lost in the tremendous amount of online data science courses and resources? Are you endlessly searching online to find data science interview questions and answers? If you answer yes for any of the questions, Data Science Interviews Exposed is a book you absolutely want to read. Why? This book is written by data

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science professionals from Facebook, LinkedIn, Amazon, Google and Microsoft, with years of first hand working and interviewing experience. This is the first book in the industry that systematically covers everything for preparing for a data science career and interviews, and with real interview questions and detailed answers. This book provides both career guidance for entry level candidates as well as interview questions practice for intermediate candidates. Here is a full list of topics:

Introduction This chapter presents an overview to the data science job market and the book organization.

Find the Right Job Roles Get confused about the various data science job titles? This chapter provides a detailed description for each of them, the differences among them, as well as the guidance for choosing the one that suits you the most.

Find the Right Experience Don't know how to prepare yourself with the right experience to meet the job requirements and your career goals? This chapter helps you to identify the experience you need to land your dream position. It also provides suggestions for new graduates as well as candidates from a different industry who want to transfer to data science field.

Get Ready for the Interviews Think you have a clear goal and have possessed all the required skill sets, but just don't know how to get job interviews? This chapter walks you through how to build good resumes and professional profiles that would bring you the right exposure to the right person -- recruiters and hiring managers.

Polish Your Soft Skills Heard of your competent peers failing job interviews and want to know why? This chapter reveals the secrets that most companies don't talk about publicly -- the soft skills. What are behavior questions, why are they important, how do you prepare for them? You will find the answer here.

Technical Interview Questions An interview is not a pop quiz. You should take the time to practice on real interview problems and learn their patterns.

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This chapter lists eight major topics that are frequently covered by data science job interviews, associated with example interview questions for each of them. All of them are either real interview questions or adapted from real interview questions: Probability Theory Statistical Inference Dataset Manipulation Product, Metrics and Analytics Experiment Design Coding Machine Learning Brain Teasers Solutions to Technical Interview Questions This chapter attaches the solutions and thought process for each question in the previous chapter. We hope the readers can grasp the key points behind each of them, hence be able to apply the approaches to other similar questions in the real interviews. Have you ever wondered, what is stopping you to get a better IT job? It is just your lack of time to prepare for interview. Many interview materials are available in internet in scattered form, gathering them together and preparing for interview is a humongous task. I wrote this “Coding Interview Questions and Answers” book to solve this problem We present 240 challenging data structures, algorithm, code optimization, java, database and C programming interview questions and answers for IT professionals to practice. The reader is encouraged to solve the problem himself/herself before checking the answers. Sample “Coding Interview Questions and Answers” can be downloaded from the website <http://crackingthecodinginterview.in/>

Searching & sorting algorithms form the back bone of coding acumen of developers. This book comprehensively covers In-depth tutorial & analysis of all major algorithms and techniques used to search and sort across data structures. All major variations of each algorithm (e.g. Ternary, Jump, Exponential, Interpolation are variations of Binary search). 110 real coding interview questions as solved examples and unsolved problems. Case studies of implementation of searching and sorting in language libraries. Introduction to

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how questions are asked and expected to answer on online competitive coding and hiring platforms like hackerrank.com, codechef.com, etc. Introduction to data structures.

Get ready for interview success Programming jobs are on the rise, and the field is predicted to keep growing, fast. Landing one of these lucrative and rewarding jobs requires more than just being a good programmer. Programming Interviews For Dummies explains the skills and knowledge you need to ace the programming interview. Interviews for software development jobs and other programming positions are unique. Not only must candidates demonstrate technical savvy, they must also show that they're equipped to be a productive member of programming teams and ready to start solving problems from day one. This book demystifies both sides of the process, offering tips and techniques to help candidates and interviewers alike. Prepare for the most common interview questions Understand what employers are looking for Develop the skills to impress non-technical interviewers Learn how to assess candidates for programming roles Prove that you (or your new hires) can be productive from day one Programming Interviews For Dummies gives readers a clear view of both sides of the process, so prospective coders and interviewers alike will learn to ace the interview.

Have you ever... - Wanted to work at an exciting futuristic company? - Struggled with an interview problem that could have been solved in 15 minutes? - Wished you could study real-world computing problems? If so, you need to read Elements of Programming Interviews (EPI). EPI is your comprehensive guide to interviewing for software development roles. The core of EPI is a collection of over 250 problems with detailed solutions. The problems are representative of interview questions asked at leading software companies. The problems are illustrated with 200

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figures, 300 tested programs, and 150 additional variants. The book begins with a summary of the nontechnical aspects of interviewing, such as strategies for a great interview, common mistakes, perspectives from the other side of the table, tips on negotiating the best offer, and a guide to the best ways to use EPI. We also provide a summary of data structures, algorithms, and problem solving patterns. Coding problems are presented through a series of chapters on basic and advanced data structures, searching, sorting, algorithm design principles, and concurrency. Each chapter starts with a brief introduction, a case study, top tips, and a review of the most important library methods. This is followed by a broad and thought-provoking set of problems. A practical, fun approach to computer science fundamentals, as seen through the lens of common programming interview questions. Jeff Atwood/Co-founder, Stack Overflow and Discourse

The pressure is on during the interview process but with the right preparation, you can walk away with your dream job. This classic book uncovers what interviews are really like at America's top software and computer companies and provides you with the tools to succeed in any situation. The authors take you step-by-step through new problems and complex brainteasers they were asked during recent technical interviews. 50 interview scenarios are presented along with in-depth analysis of the possible solutions. The problem-solving process is clearly illustrated so you'll be able to easily apply what you've learned during crunch time. You'll also find expert tips on what questions to ask, how to approach a problem, and how to recover if you become stuck. All of this will help you ace the interview and get the job you want. What you will learn from this book
Tips for effectively completing the job application
Ways to prepare for the entire programming interview process
How to find the kind of programming job

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that fits you best Strategies for choosing a solution and what your approach says about you How to improve your interviewing skills so that you can respond to any question or situation Techniques for solving knowledge-based problems, logic puzzles, and programming problems Who this book is for This book is for programmers and developers applying for jobs in the software industry or in IT departments of major corporations. Wrox Beginning guides are crafted to make learning programming languages and technologies easier than you think, providing a structured, tutorial format that will guide you through all the techniques involved.

Be prepared to answer the most relevant interview questions and land the job Programmers are in demand, but to land the job, you must demonstrate knowledge of those things expected by today's employers. This guide sets you up for success. Not only does it provide 160 of the most commonly asked interview questions and model answers, but it also offers insight into the context and motivation of hiring managers in today's marketplace. Written by a veteran hiring manager, this book is a comprehensive guide for experienced and first-time programmers alike. Provides insight into what drives the recruitment process and how hiring managers think Covers both practical knowledge and recommendations for handling the interview process Features 160 actual interview questions, including some related to code samples that are available for download on a companion website Includes information on landing an interview, preparing a cheat-sheet for a phone interview, how to demonstrate your programming wisdom, and more Ace the Programming Interview, like the earlier Wiley bestseller Programming Interviews Exposed, helps you approach the job interview with the confidence that comes from being prepared.

Ace technical interviews with smart preparation Programming Interviews Exposed is the programmer's ideal first choice for

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technical interview preparation. Updated to reflect changing techniques and trends, this new fourth edition provides insider guidance on the unique interview process that today's programmers face. Online coding contests are being used to screen candidate pools of thousands, take-home projects have become commonplace, and employers are even evaluating a candidate's public code repositories at GitHub—and with competition becoming increasingly fierce, programmers need to shape themselves into the ideal candidate well in advance of the interview. This book doesn't just give you a collection of questions and answers, it walks you through the process of coming up with the solution so you learn the skills and techniques to shine on whatever problems you're given. This edition combines a thoroughly revised basis in classic questions involving fundamental data structures and algorithms with problems and step-by-step procedures for new topics including probability, data science, statistics, and machine learning which will help you fully prepare for whatever comes your way. Learn what the interviewer needs to hear to move you forward in the process Adopt an effective approach to phone screens with non-technical recruiters Examine common interview problems and tests with expert explanations Be ready to demonstrate your skills verbally, in contests, on GitHub, and more Technical jobs require the skillset, but you won't get hired unless you are able to effectively and efficiently demonstrate that skillset under pressure, in competition with hundreds of others with the same background. Programming Interviews Exposed teaches you the interview skills you need to stand out as the best applicant to help you get the job you want.

? Essential Java Interview Skills--Made Easy! ? I mentioned approx 2000+ Java Technical Questions and 200+ Non-Technical Questions for before the technical round. This book is world's Biggest Java Interview book you ever read. That's

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why this book is Best-selling book of 2014 in Job Hunting & Campus Interview of Top MNC's. Must See sample of this book or at the end of description please see "Inside Contents" press down key and see how beautiful interview book it is. The main objective of this interview book is not to give you just magical interview question & tricks, I have followed a pattern of improving the question solution with deep Questions-Answers explanations with different interview complexities for each interview problem, you will find multiple solutions for complex interview questions. What Special – In this book I covered and explained several topics of latest Java 8 Features in detail for Developers & Freshers, Topics Like– Lambdas. Java 8 Functional interface, Stream and Time API. As a job seeker if you read the complete book with good understanding & seriously, i am 101% sure you will challenge any Interview & Interviewers (Specially Java) in this world. and this is the objective of this book. This book contains more than Two Thousands Technical Java Questions and 200 Non-Technical Questions like before This book is very much useful for I.T professionals and the students of Engineering Degree and Masters during their Campus Interview and academic preparations. If you read as a student preparing for Interview for Computer Science or Information Technology, the content of this book covers all the required topics in full details. While writing the book, an intense care has been taken to help students who are preparing for these kinds of technical interview rounds. Both Physical Paperback and Digital Editions Are Available on LuLu.com & Amazon.com ||Google Books & Google Play Book Stores , Order today and Get a Discounted Copy. According to the Last year and this year Data that we have collected from different sources, More than 5,67,000 students and IT professionals gone through this book and Successfully Cracked their jobs in IT industry and Other industries as well.

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Don't Forget to write a customer review or comment about this book. For Data structure and Algorithms & C-C++ Interview questions, Read Harry's Upcoming Book- "Cracking the C & C++ Interview" and Cracking the "Algorithms Interview" Tell your friends about this ultimate Java Book. ? Inside Topics at a Glance ? 01.Preface, Hold On ! First Read It ! It will Help You ! 02.Interview Myths. 03.Convincing them you're right for the job. 04.Can you do the job? 05.Your potential to tackle New Tasks. 06.Employers Love Motivated Employees. 07.The 'Big Five' Questions. 08.Building Rapport and Trust. 09.Ten Effective Answers To Common Questions. 10.The Apple Interview. 11.The Google Interview. 12.The Microsoft Interview. 13.The Yahoo Interview. 14.The Facebook Interview. 15.Interview FAQ'S - I 16.How to Prepare for Technical Questions. 17.Handling Technical Questions in easy way. 18.Top Ten Mistakes Candidates Make. 19.The 16 Most Revealing Interview Questions & Answers. 20.Java Interview Questions & Answers. 350+ Q/A (PART-1) 21.Java Interview Questions & Answers. 350+ Q/A (PART-2) 22.Java Interview Questions & Answers. 250+ Q/A (PART- 3) 23.Top 10+ Advance Java Que-Ans for Experienced Programmers. 24.Java Random All-In-One Que-Answers 50+ Q/A (PART- 4) 25.Java Random All-In-One Que-Answers 250+ Q/A (PART- 5) 26.Java Concurrency Interview Que-Answers 27.Java Collection Interview Que-Answers 40+ 28.Java Exception Interview Que-Answers 15+ 29.Java Interview Brain Wash Que & Ans. 201+ Q/A (PART- 6) 30.Java 8 Features for Developers – Lambdas.(PART- 7) 31.Java 8 Functional interface,Stream & Time API. (PART- 8) 32.Java Random Brain Drills Que-Answers 50+ 33.Java Random String Que-Answers 20+ 34.Finally Kick on Java and Say Bye Bye.. 35.Java Coding Standards (Advance) 36.Java Code Clarity/Maintainability/ 37.Java DataBase Issues/Analysis. 38.Dress/Body

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Appropriately Guidelines By Pictures & Graphics.

Part I Algorithms and Data Structures 1 Fundamentals
Approximating the square root of a number Generating
Permutation Efficiently Unique 5-bit Sequences Select Kth
Smallest Element The Non-Crooks Problem Is this (almost)
sorted? Sorting an almost sorted list The Longest
Upsequence Problem Fixed size generic array in C++ Seating
Problem Segment Problems Exponentiation Searching two-
dimensional sorted array Hamming Problem Constant Time
Range Query Linear Time Sorting Writing a Value as the Sum
of Squares The Celebrity Problem Transport Problem Find
Length of the rope Switch Bulb Problem In, On or Out The
problem of the balanced seg The problem of the most
isolated villages 2 Arrays The Plateau Problem Searching in
Two Dimensional Sequence The Welfare Crook Problem 2D
Array Rotation A Queuing Problem in A Post Office
Interpolation Search Robot Walk Linear Time Sorting Write as
sum of consecutive positive numbers Print 2D Array in Spiral
Order The Problem of the Circular Racecourse Sparse Array
Trick Bulterman's Reshuffling Problem Finding the majority
Mode of a Multiset Circular Array Find Median of two sorted
arrays Finding the missing integer Finding the missing
number with sorted columns Re-arranging an array Switch
and Bulb Problem Compute sum of sub-array Find a number
not sum of subsets of array Kth Smallest Element in Two
Sorted Arrays Sort a sequence of sub-sequences Find
missing integer Inplace Reversing Find the number not
occurring twice in an array 3 Trees Lowest Common
Ancestor(LCA) Problem Spying Campaign 4 Dynamic
Programming Stage Coach Problem Matrix Multiplication TSP
Problem A Simple Path Problem String Edit Distance Music
recognition Max Sub-Array Problem 5 Graphs Reliable
distribution Independent Set Party Problem 6 Miscellaneous
Compute Next Higher Number Searching in Possibly Empty

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Two Dimensional Sequence Matching Nuts and Bolts
Optimally Random-number generation Weighted Median
Compute a^n Compute a^n revisited Compute the product $a \times b$ Compute the quotient and remainder Compute GCD
Computed Constrained GCD Alternative Euclid' Algorithm
Revisit Constrained GCD Compute Square using only
addition and subtraction Factorization Factorization Revisited
Decimal Representation Reverse Decimal Representation
Solve Inequality Solve Inequality Revisited Print Decimal
Representation Decimal Period Length Sequence Periodicity
Problem Compute Function Emulate Division and Modulus
Operations Sorting Array of Strings : Linear Time LRU data
structure Exchange Prefix and Suffix 7 Parallel Algorithms
Parallel Addition Find Maximum Parallel Prefix Problem
Finding Ranks in Linked Lists Finding the k th Smallest
Element 8 Low Level Algorithms Manipulating Rightmost Bits
Counting 1-Bits Counting the 1-bits in an Array Computing
Parity of a word Counting Leading/Trailing 0's Bit Reversal
Bit Shuffling Integer Square Root Newton's Method Integer
Exponentiation LRU Algorithm Shortest String of 1-Bits
Fibonacci words Computation of Power of 2 Round to a
known power of 2 Round to Next Power of 2 Efficient
Multiplication by Constants Bit-wise Rotation Gray Code
Conversion Average of Integers without Overflow Least/Most
Significant 1 Bit Next bit Permutation Modulus Division Part II
C++ 8 General 9 Constant Expression 10 Type Specifier 11
Namespaces 12 Misc 13 Classes 14 Templates 15 Standard
Library

Available at \$8 for a LIMITED TIME ONLY (Usual Price: \$20) New Book by Best-Selling Author Mr Kotiyana. Be prepared for your next job interview with this tried-and-true advice cracking the coding interview! These interview questions are real; they are not pulled out of computer science textbooks. They reflect what's truly being asked at

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the top companies, so that you can be as prepared as possible. Learn How to cracking the coding interview.

WHAT'S INSIDE? 1) GENERAL QUESTIONS - 4 Steps to prepare for a Microsoft, Amazon, Google or Apple Interview. - 5 skills self-taught programmers commonly lack. - Important data structure and algorithms to prepare for an Interview. - 9 ways to become Great Programmer. - 4 Secrets of Great Programmers. - Difference between a programmer, a good programmer and a great programmer. 2) RESUME ADVICE -Resume mistakes to avoid -Resume Presentation 3) 20 Most Asked Programming Questions and Solutions 4) 4 Reasons why Your Program Crashes 5) 5 Coding Interview Tips!

If you have an upcoming coding interview, this is a must for you to read this book ? and get prepared to tackle ALGORITHM and DATA STRUCTURE problems in a day. In this book, we have solved insightful algorithmic problems and discussed some of the best insights to drive you into the problem solving mindset. Being in a mindset required for an upcoming event is like winning half the battle. In this book, we begin with an easy problem and go on to explore some tough and insightful problems. The first problem we presented is to delete minimum number of digits in a number to make it a perfect square. This might seem to be a simple problem but the insights involved in solving this is widely applicable across various Algorithmic problems. This problem is solved in time complexity of $O(N^{1/3} \times \log N \times \log N)$ (think how?) Moreover, in solving the above problem, we have learnt how to generate all combinations/ subsets of a set efficiently. In this line, we have covered other ideas related to combination and permutation generation in other problems in this book. Some of the ideas we covered in the other problems are: *

- Augmented data structures: How modifying a data structure can improve the complexity greatly.
- * How a single data structure can have multiple states? and algorithms to

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interchange them * Concepts related to string comparison and searching (MUST READ + VERY IMPORTANT) * Basic insightful ideas in Number theory and solved a couple of problems related to it * Understanding how number of operations can be reduced greatly without impacting time complexity. * Insightful understanding and analysis of Heap's algorithm for permutation generation (VERY IMPORTANT + RARE) * These problems have covered domains like Graph Theory, Dynamic Programming, Greedy Algorithms, Number Theory, Divide and Conquer and much more. In short, we have carefully chosen the problems to give you idea of: * Basic yet widely asked concepts like combination and permutation generation, forming Dynamic Programming solutions, applying greedy algorithms * Doing a detailed complexity analysis * Proceed in solving the problem in steps and understand deeply why the solution works This book has been prepared and reviewed by Top programmers and Algorithmic researchers and members of OpenGenus. We would like to thank Aditya Chatterjee and Ue Kiao for their expertise in this domain and reviews from Tokyo Institute of Technology. Read this book now and ace your upcoming coding interview ? If you have a doubt regarding some algorithmic problem or want some addition/ modification to this book, feel free to get in touch with us or leave a review comment ?

From the creator of the popular website Ask a Manager and New York's work-advice columnist comes a witty, practical guide to 200 difficult professional conversations—featuring all-new advice! There's a reason Alison Green has been called "the Dear Abby of the work world." Ten years as a workplace-advice columnist have taught her that people avoid awkward conversations in the office because they simply don't know what to say. Thankfully, Green does—and in this incredibly helpful book, she tackles the tough discussions you may

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need to have during your career. You'll learn what to say when • coworkers push their work on you—then take credit for it • you accidentally trash-talk someone in an email then hit “reply all” • you're being micromanaged—or not being managed at all • you catch a colleague in a lie • your boss seems unhappy with your work • your cubemate's loud speakerphone is making you homicidal • you got drunk at the holiday party

Praise for *Ask a Manager* “A must-read for anyone who works . . . [Alison Green's] advice boils down to the idea that you should be professional (even when others are not) and that communicating in a straightforward manner with candor and kindness will get you far, no matter where you work.”—Booklist (starred review) “The author's friendly, warm, no-nonsense writing is a pleasure to read, and her advice can be widely applied to relationships in all areas of readers' lives. Ideal for anyone new to the job market or new to management, or anyone hoping to improve their work experience.”—Library Journal (starred review) “I am a huge fan of Alison Green's *Ask a Manager* column. This book is even better. It teaches us how to deal with many of the most vexing big and little problems in our workplaces—and to do so with grace, confidence, and a sense of humor.”—Robert Sutton, Stanford professor and author of *The No Asshole Rule* and *The Asshole Survival Guide* “*Ask a Manager* is the ultimate playbook for navigating the traditional workforce in a diplomatic but firm way.”—Erin Lowry, author of *Broke Millennial: Stop Scraping By and Get Your Financial Life Together*

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with deep Questions-Answers explanations with different interview complexities for each interview problem, you will find multiple solutions for complex interview questions. What Special – In this book I covered and explained several topics of latest Java 8 Features in detail for Developers & Freshers, Topics Like– Lambdas. Java 8 Functional interface, Stream and Time API. As a job seeker if you read the complete book with good understanding & seriously, i am 101% sure you will challenge any Interview & Interviewers (Specially Java) in this world. and this is the objective of this book. This book contains more than Two Thousands Technical Java Questions and 200 Non-Technical Questions like before This book is very much useful for I.T professionals and the students of Engineering Degree and Masters during their Campus Interview and academic preparations. If you read as a student preparing for Interview for Computer Science or Information Technology, the content of this book covers all the required topics in full details. While writing the book, an intense care has been taken to help students who are preparing for these kinds of technical interview rounds. Both Physical Paperback and Digital Editions Are Available on LuLu.com & Amazon.com ||Google Books & Google Play Book Stores ,Order today and Get a Discounted Copy. According to the Last year and this year Data that we have collected from different sources, More than 5,67,000 students and IT professionals gone through this book and Successfully Cracked their jobs in IT industry and Other industries as well. Don't Forget to write a customer review or comment about this book. For Data structure and Algorithms & C-C++ Interview questions, Read Harry's Upcoming Book- "Cracking the C & C++ Interview" and Cracking the "Algorithms Interview" Tell your friends about this ultimate Java Book.

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Now in the 6th edition, the book gives you the interview preparation you need to get the top software developer jobs. This is a deeply technical book and focuses on the software engineering skills to ace your interview. The book includes 189 programming interview questions and answers, as well as other advice.

Ace the Programming Interview 160 Questions and Answers for Success John Wiley & Sons

Peeling Data Structures and Algorithms for (Java, Second Edition): * Programming puzzles for interviews * Campus Preparation * Degree/Masters Course Preparation * Instructor's * GATE Preparation * Big job hunters: Microsoft, Google, Amazon, Yahoo, Flip Kart, Adobe, IBM Labs, Citrix, Mentor Graphics, NetApp, Oracle, Webaroo, De-Shaw, Success Factors, Facebook, McAfee and many more * Reference Manual for working people

I wanted to compute 80th term of the Fibonacci series. I wrote the rampant recursive function, `int fib(int n){ return (1==n 2==n) ? 1: fib(n-1) + fib(n-2); }` and waited for the result. I wait... and wait... and wait... With an 8GB RAM and an Intel i5 CPU, why is it taking so long? I terminated the process and tried computing the 40th term. It took about a second. I put a check and was shocked to find that the above recursive function was called 204,668,309 times while computing the 40th term. More than 200 million times? Is it reporting function calls or scam of some government? The Dynamic Programming solution computes 100th Fibonacci term in less than fraction of a second, with a single function call, taking linear time and constant extra memory. A

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recursive solution, usually, neither pass all test cases in a coding competition, nor does it impress the interviewer in an interview of company like Google, Microsoft, etc. The most difficult questions asked in competitions and interviews, are from dynamic programming. This book takes Dynamic Programming head-on. It first explain the concepts with simple examples and then deep dives into complex DP problems.

The Complete Coding Interview Guide in Java is an all-inclusive solution guide with meticulously crafted questions and answers that will help you crack any Java Developer job. This book will help you build a strong foundation and the skill-set required to confidently appear in the toughest coding interviews.

Featured on CBS and WBZ Radio, Evan Pellett is the keynote guest speaker on Nightside with Dan Rea. You may have heard Evan as the radio expert on interviewing across the United States. Cracking the Code to a Successful Interview is a groundbreaking new scientific, proactive, cutting-edge, hands-on, proven approach to job interviews by an award-winning, highly decorated recruiter. This REAPRICH eight-step interview method will give you a proactive way to take control of your interview. You will learn the secret, never-before-published “questions behind the questions.” These are the questions that every manager unconsciously needs answered in order to hire you.

The core of EPI is a collection of over 300 problems with detailed solutions, including 100 figures, 250 tested programs, and 150 variants. The problems are representative of questions asked at the leading software

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companies. The book begins with a summary of the nontechnical aspects of interviewing, such as common mistakes, strategies for a great interview, perspectives from the other side of the table, tips on negotiating the best offer, and a guide to the best ways to use EPI. The technical core of EPI is a sequence of chapters on basic and advanced data structures, searching, sorting, broad algorithmic principles, concurrency, and system design. Each chapter consists of a brief review, followed by a broad and thought-provoking series of problems. We include a summary of data structure, algorithm, and problem solving patterns.

How many pizzas are delivered in Manhattan? How do you design an alarm clock for the blind? What is your favorite piece of software and why? How would you launch a video rental service in India? This book will teach you how to answer these questions and more. Cracking the PM Interview is a comprehensive book about landing a product management role in a startup or bigger tech company. Learn how the ambiguously-named "PM" (product manager / program manager) role varies across companies, what experience you need, how to make your existing experience translate, what a great PM resume and cover letter look like, and finally, how to master the interview: estimation questions, behavioral questions, case questions, product questions, technical questions, and the super important "pitch."

"A handbook for hunting and punishing witches to assist the Inquisition and Church in exterminating undesirables. Mostly a compilation of superstition and folklore, the book was taken very seriously at the time it was written in the 15th century

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and became a kind of spiritual law book used by judges to determine the guilt of the accused"--From publisher description.

We present 60 interesting java programming interview questions and answers for readers to practice and crack any java interview. The reader is encouraged to try the programming questions himself/herself before checking the answers.

Now in the 5th edition, Cracking the Coding Interview gives you the interview preparation you need to get the top software developer jobs. This book provides: 150 Programming Interview Questions and Solutions: From binary trees to binary search, this list of 150 questions includes the most common and most useful questions in data structures, algorithms, and knowledge based questions. 5 Algorithm Approaches: Stop being blind-sided by tough algorithm questions, and learn these five approaches to tackle the trickiest problems. Behind the Scenes of the interview processes at Google, Amazon, Microsoft, Facebook, Yahoo, and Apple: Learn what really goes on during your interview day and how decisions get made. Ten Mistakes Candidates Make -- And How to Avoid Them: Don't lose your dream job by making these common mistakes. Learn what many candidates do wrong, and how to avoid these issues. Steps to Prepare for Behavioral and Technical Questions: Stop meandering through an endless set of questions, while missing some of the most important preparation techniques. Follow these steps to more thoroughly prepare in less time. The free sample containing the first chapter of the book can be downloaded from <http://goo.gl/0JuXqU> This book is a collection of interesting interview questions that have been asked to programmers. Frankly, there is no limit to the number of questions that an interviewer can choose from in an interview. However, some questions are asked more

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frequently than others. So questions in this book have been carefully chosen after analyzing several interviews so that they represent the most frequently asked interview questions. Learning data structures and algorithms can be burdensome mostly because there is too much of importance given to formalism. To make this book a delectable treat and not a burden, I have added plenty of examples, diagrams, tables and comments in the code to help you figure out the solution. I hope you enjoy reading this book and successfully clear the interviews ahead of you!

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