

Computer Science Study Guide

This textbook presents both a conceptual framework and detailed implementation guidelines for computer science (CS) teaching. Updated with the latest teaching approaches and trends, and expanded with new learning activities, the content of this new edition is clearly written and structured to be applicable to all levels of CS education and for any teaching organization. Features: provides 110 detailed learning activities; reviews curriculum and cross-curriculum topics in CS; explores the benefits of CS education research; describes strategies for cultivating problem-solving skills, for assessing learning processes, and for dealing with pupils’ misunderstandings; proposes active-learning-based classroom teaching methods, including lab-based teaching; discusses various types of questions that a CS instructor or trainer can use for a range of teaching situations; investigates thoroughly issues of lesson planning and course design; examines the first field teaching experiences gained by CS teachers.

Endorsed by Cambridge International Examinations. Develop your students computational thinking and programming skills with complete coverage of the latest syllabus from experienced examiners and teachers. - Follows the order of the syllabus exactly, ensuring complete coverage - Introduces students to self-learning exercises, helping them learn how to use their knowledge in new scenarios Accompanying animation files of the key concepts are available to download for free online. See the Quick Links to the left to access. This book covers the IGCSE (0478), O Level (2210) and US IGCSE entry (0473) syllabuses, which are for first examination 2015. It may also be a useful reference for students taking the new Computer Science AS level course (9608).

"3 full-length practice tests, proven techniques for success, complete content review"--Cover.

REA's Essentials provide quick and easy access to critical information in a variety of different fields, ranging from the most basic to the most advanced. These concise, comprehensive study guides summarize the essentials of the field covered. Essentials are helpful when preparing for exams, doing homework and will remain a lasting reference source for students, teachers, and professionals. Essentials of Computer Science II includes organization of a computer, memory and input/output, coding, data structures, and program development. Also included is an overview of the most commonly used computer languages.

Study and Research Guide in Computer Science

AP Computer Science A

IB Computer Science Study and Revision Guide | Standard Level

FTCE Computer Science K-12 Secrets Study Guide

Clinical Informatics Study Guide

Understanding Computer Science for Advanced Level

UPDATED FOR THE 2020 IB DIPLOMA: Designed for the latest syllabus as of 2014; this is the FIRST Study & Revision Guide for Computer Science which is MADE by students... FOR students!Created by Standard Level Students which achieved Level 6s and 7s in their final International Baccalaureate Exams, IB Simplify's Computer Science will:- Ensure students can achieve their very best grade with the help of clear and concise notes on each topic.- Find gaps in their understanding by marking off revised sections.- Practice real IB Computer Science exam questions, listed by topic inside this Guide.- Each topic is listed with its own unique topic number, which corresponds to each section of the Official IB Computer Science Guide.

EVERYTHING YOU NEED TO SCORE A PERFECT 5. Ace the 2022 AP Computer Science A Exam with this comprehensive study guide, which includes 4 full-length practice tests, thorough content reviews, targeted strategies for every section of the exam, and access to online extras. Techniques That Actually Work. • Tried-and-true strategies to help you avoid traps and beat the test • Tips for pacing yourself and guessing logically • Essential tactics to help you work smarter, not harder Everything You Need to Know to Help Achieve a High Score. • Fully aligned with the latest College Board standards for AP® Computer Science A • Comprehensive content review for all test topics, including lab requirements • Engaging activities to help you critically assess your progress • Access to study plans, printable resources, helpful pre-college information, and more via your online Student Tools Practice Your Way to Excellence. • 4 full-length practice tests (3 in the book, 1 online) with detailed answer explanations • Comprehension drills in each content review chapter • Step-by-step walk-throughs of sample questions

Full coverage of functional programming and all OCA Java Programmer exam objectives OCA, Oracle Certified Associate Java SE 8 Programmer I Study Guide, Exam 1Z0-808 is a comprehensive study guide for those taking the Oracle Certified Associate Java SE 8 Programmer I exam (1Z0-808). With complete coverage of 100% of the exam objectives, this book provides everything you need to know to confidently take the exam. The release of Java 8 brought the language's biggest changes to date, and for the first time, candidates are required to learn functional programming to pass the exam. This study guide has you covered, with thorough functional programming explanation and information on all key topic areas Java programmers need to know. You'll cover Java inside and out, and learn how to apply it efficiently and effectively to create solutions applicable to real-world scenarios. Work confidently with operators, conditionals, and loops Understand object-oriented design principles and patterns Master functional programming fundamentals

Includes Practice Test Questions OSAT Computer Science (081) Secrets helps you ace the Certification Examinations for Oklahoma Educators / Oklahoma Subject Area Tests, without weeks and months of endless studying. Our comprehensive OSAT Computer Science (081) Secrets study guide is written by our exam experts, who painstakingly researched every topic and concept that you need to know to ace your test. Our original research reveals specific weaknesses that you can exploit to increase your exam score more than you've ever imagined. OSAT Computer Science (081) Secrets includes: The 5 Secret Keys to CEOE Success: Time is Your Greatest Enemy, Guessing is Not Guesswork, Practice Smarter, Not Harder, Prepare, Don't Procrastinate, Test Yourself; Introduction to the CEOE Series including: CEOE Assessment Explanation, Two Kinds of CEOE Assessments; A comprehensive General Strategy review including: Make Predictions, Answer the Question, Benchmark, Valid Information, Avoid Fact Traps, Milk the Question, The Trap of Familiarity, Eliminate Answers, Tough Questions, Brainstorm, Read Carefully, Face Value, Prefixes, Hedge Phrases, Switchback Words, New Information, Time Management, Contextual Clues, Don't Panic, Pace Yourself, Answer Selection, Check Your Work, Beware of Directly Quoted Answers, Slang, Extreme Statements, Answer Choice Families; Along with a complete, in-depth study guide for your specific CEOE exam, and much more...

Java Concepts

Computer Science 133A, a Study Guide

A Virtual Degree for the Self-taught Developer

A Unique Step-by-Step Visual Guide to Computers, Coding, and Communication

The Essentials of Computer Science I

This books provides content that arms clinicians with the core knowledge and competencies necessary to be effective informatics leaders in health care organizations. The content is drawn from the areas recognized by the American Council on Graduate Medical Education (ACGME) as necessary to prepare physicians to become Board Certified in Clinical Informatics. Clinical informaticians transform health care by analyzing, designing, selecting, implementing, managing, and evaluating information and communication technologies (ICT) that enhance individual and population health outcomes, improve patient care processes, and strengthen the clinician-patient relationship. As the specialty grows, the content in this book covers areas useful to nurses, pharmacists, and information science graduate students in clinical/health informatics programs. These core competencies for clinical informatics are needed by all those who lead and manage ICT in health organizations, and there are likely to be future professional certifications that require the content in this text.

Providing guidance that helps students practice and troubleshoot their exam technique,these books send them into their exam with the confidence to aim for the best grades. - Enables students to avoid common misconceptions and mistakes by highlighting them throughout - Builds students' skills constructing and writing answers as they progress through a range of practice questions - Allows students to mark their own responses and easily identify areas for improvement using the answers in the back of the book - Helps students target their revision and focus on important concepts and skills with key objectives at the beginning of every chapter - Ensures that students maximise their time in the exam by including examiner's tops and suggestions on how to approach the questions This title has not been through the Cambridge International Examinations endorsement process.

Suitable for all A-Level Computer Science syllabuses and for BTEC(N) Computing courses, this text also provides background reading for those studying for GNVQ Advanced Information Technology. It has been revised in line with the 1997 A-Level syllabuses, and now includes chapter summaries.

FTCE Computer Science K-12 Secrets Study GuideFTCE Test Review for the Florida Teacher Certification ExaminationsMometrix Media Lc

Profiles of Universities in the USA

The Complete Middle School Study Guide (Big Fat Notebooks)

CEOE Exam Review for the Certification Examinations for Oklahoma Educators / Oklahoma Subject Area Tests

Everything You Need to Ace Computer Science and Coding in One Big Fat Notebook - UK Edition

5 Steps to a 5

FTCE Test Review for the Florida Teacher Certification Examinations

AP® Computer Science Principles Crash Course® Fully Revised and Updated 2nd Edition for the 2021 Exam! A Higher Score in Less Time! At REA, we invented the quick-review study guide for AP® exams. A decade later, REA’s Crash Course® remains the top choice for AP® students who want to make the most of their study time and earn a high score. Here’s why more AP® teachers and students turn to REA’s AP® Computer Science Principles Crash Course®: Targeted Review – Study Only What You Need to Know. REA’s all-new 2nd edition addresses all the latest test revisions. Our Crash Course® is based on an in-depth analysis of the revised AP® Computer Science Principles Course and Exam Description and sample AP® test questions, released by the College Board in 2020. We cover only the information tested on the exam, so you can make the most of your valuable study time. Expert Test-taking Strategies and Advice.

Written by a veteran AP® Computer Science teacher, the book gives you the topics and critical context that will matter most on exam day. Crash Course® relies on the author’s extensive analysis of the test’s structure and content. By following his advice, you can boost your score. Realistic Practice Questions – a mini-test in the book, a full-length exam online. Are you ready for your exam? Try our focused practice set inside the book. Then go online to take our full-length practice exam. You’ll get the benefits of timed testing, detailed answers, and automatic scoring that pinpoints your performance based on the official AP® exam topics – so you’ll be confident on test day. When it’s crucial crunch time and your Advanced Placement® exam is just around the corner, you need REA’s Crash Course for AP® Computer Science Principles!

Despite using them every day, most software engineers know little about how programming languages are designed and implemented. For many, their only experience with that corner of computer science was a terrifying "compilers" class that they suffered through in undergrad and tried to blot from their memory as soon as they had scribbled their last NFA to DFA conversion on the final exam. That fearsome reputation belies a field that is rich with useful techniques and not so difficult as some of its practitioners might have you believe. A better understanding of how programming languages are built will make you a stronger software engineer and teach you concepts and data structures you'll use the rest of your coding days. You might even have fun. This book teaches you everything you need to know to implement a full-featured, efficient scripting language. You'll learn both high-level concepts around parsing and semantics and gritty details like bytecode representation and garbage collection. Your brain will light up with new ideas, and your hands will get dirty and calloused. Starting from main(), you will build a language that features rich syntax, dynamic typing, garbage collection, lexical scope, first-class functions, closures, classes, and inheritance. All packed into a few thousand lines of clean, fast code that you thoroughly understand because you wrote each one yourself.

Cambridge International AS and A Level Computer Science offers a complete set of resources to accompany the 9608 syllabus. This revision guide helps students to prepare and practice skills for the Cambridge AS and A Level Computer Science examination. It contains clear explanations and key information to support learners, with additional practice questions to help students feel confident and reinforce their understanding of key concepts.

Providing guidance that helps students practice and troubleshoot their exam technique, these books send them into their exam with the confidence to aim for the best grades. - Enables students to avoid common misconceptions and mistakes by highlighting them throughout - Builds students' skills constructing and writing answers as they progress through a range of practice questions - Allows students to mark their own responses and easily identify areas for improvement using the answers in the back of the book - Helps students target their revision and focus on important concepts and skills with key objectives at the beginning of every chapter - Ensures that students maximise their time in the exam by including examiner's tops and suggestions on how to approach the questions This title has not been through the Cambridge International Examinations endorsement process.

Cambridge IGCSE Computer Science Study and Revision Guide

Texas Computer Science 8-12 141 Secrets

Cambridge IGCSE Computer Science

AP Computer Science Exam-Study Guide for C++

Be Prepared for the AP Computer Science Exam in Java

Praxis II Computer Science (5651) Exam Secrets Study Guide: Praxis II Test Review for the Praxis II Subject Assessments

This book covers material which is required knowledge to pass the A+ certification exam for computer technicians.

Released just three years ago, The Big Fat Notebooks revolutionised the study guide for upper-middle-grade readers, and students, parents, and teachers responded - the series has nearly 4 million copies in print with sales escalating every year. Now introducing Everything You Need to Ace Computer Science and Coding, an essential new title with the potential to run hand-in-hand with - or even outrun - Math (over 1.3 million copies in print) and Science (925,000 copies in print) as the next critical STEM companion. Instruction is presented in the simple but powerful format of the previous Big Fat Notebooks. The key concepts of coding and computer science easily digested and summarised, with critical ideas clearly explained, doodles that illuminate tricky concepts, and quizzes to recap it all. Kids will explore the concepts of computer science, learn how websites are designed and created, and understand the fundamentals of coding with Scratch, Python, HTML, and CSS. Written by Grant Smith, a computer science education expert - and vetted by an award-winning computer-science teacher - this Big Fat Notebook is for every student who is either taking computer science in school or is a passionate code warrior

This text is intended for use in the Java programming course Tony Gaddis’s accessible, step-by-step presentation helps beginning students understand the important details necessary to become skilled programmers at an introductory level. Gaddis motivates the study of both programming skills and the Java programming language by presenting all the details needed to understand the “how” and the “why”—but never losing sight of the fact that most beginners struggle with this material. His approach is both gradual and highly accessible, ensuring that students understand the logic behind developing high-quality programs. In Starting Out with Java: Early Objects, Gaddis looks at objects—the fundamentals of classes and methods—before covering procedural programming. As with all Gaddis texts, clear and easy-to-read code listings, concise and practical real-world examples, and an abundance of exercises appear in every chapter. Teaching and Learning Experience This program presents a better teaching and learning experience—for you and your students. Enhance Learning with the Gaddis Approach: Gaddis’s accessible approach features clear and easy-to-read code listings, concise real-world examples, and exercises in every chapter. Keep Your Course Current: Content is refreshed to provide the most up-to-date information on new technologies for your course. Support Instructors and Students: Student and instructor resources are available to expand on the topics presented in the text.

The Computer Science Passbook(R) prepares you for your test by allowing you to take practice exams in the subjects you need to study. It provides hundreds of questions and answers in the areas that will likely be covered on your upcoming exam.

Make It Stick

Foundations of Program Design

Princeton Review AP Computer Science Principles Prep 2022

3 Practice Tests + Complete Content Review + Strategies and Techniques

OCA: Oracle Certified Associate Java SE 8 Programmer I Study Guide

With 6 Practice Tests

Review and test preparation book for Advanved Placement examinations in computer science

Includes Practice Test Questions FTCE Computer Science K-12 Secrets helps you ace the Florida Teacher Certification Examinations, without weeks and months of endless studying. Our comprehensive FTCE Computer Science K-12 Secrets study guide is written by our exam experts, who painstakingly researched every topic and concept that you need to know to ace your test. Our original research reveals specific weaknesses that you can exploit to increase your exam score more than you've ever imagined. FTCE Computer Science K-12 Secrets includes: The 5 Secret Keys to FTCE Test Success: Time Is Your Greatest Enemy, Guessing is Not Guesswork, Practice Smarter, Not Harder, Prepare, Don't Procrastinate, Test Yourself; Introduction to the FTCE Series; A comprehensive General Strategy review including: Make Predictions, Answer the Question, Benchmark, Valid Information, Avoid Fact Traps, Milk the Question, The Trap of Familiarity, Eliminate Answers, Tough Questions, Brainstorm, Read Carefully, Face Value, Prefixes, Hedge Phrases, Switchback Words, New Information, Time Management, Contextual Clues, Don't Panic, Pace Yourself, Answer Selection, Check Your Work, Beware of Directly Quoted Answers, Slang, Extreme Statements, Answer Choice Families; Along with a complete, in-depth study guide for your specific FTCE exam, and much more...

This resource is written to follow the updated IGCSE® Computer Science syllabus 0478 with examination from June and November 2016. Cambridge IGCSE® and O Level Computer Science Programming Book for Python accompanies the Cambridge IGCSE and O Level Computer Science coursebook, and is suitable for students and teachers wishing to use Python in their studies. It introduces and develops practical skills to guide students in developing coding solutions to the tasks presented in the book. Starting from simple skills and progressing to more complex challenges, this book shows how to approach a coding problem using Structure Diagrams and Flow Charts, explains programming logic using pseudocode, develops Python programming skills and gives full solutions to the tasks set.

Prepare your students to pass the Advanced Placement (AP) Computer Science Exam with this study guide from renowned author, Todd Knowlton.

Help Your Kids with Computer Science (Key Stages 1-5)

The Bulgarian C# Book

Princeton Review AP Computer Science A Prep, 2022

Text and Review

4 Practice Tests + Complete Content Review + Strategies & Techniques

Cambridge IGCSE® and O Level Computer Science Programming Book for Python

You know how to code..but is it enough? Do you feel left out when other programmers talk about asymptotic bounds? Have you failed a job interview because you don't know computer science? The author, a senior developer at a major software company with a PhD in computer science, takes you through what you would have learned while earning a four-year computer science degree. Volume one covers the most frequently referenced topics, including algorithms and data structures, graphs, problem-solving techniques, and complexity theory. When you finish this book, you'll have the tools

you need to hold your own with people who have - or expect you to have - a computer science degree.

From coding languages and hardware to cyberbullying and gaming, this comprehensive homework helper for kids and parents covers the essentials of computer science. This unique visual study guide examines the technical aspects of computers, such as how they function, the latest digital devices and software, and how the Internet works. It also builds the confidence of parents and kids when facing challenges such as staying safe online, digital etiquette, and how to navigate the potential pitfalls of social media. Jargon-free language helps to explain difficult and potentially dread-

including homework such as hacking, "big data" and malware, while colorful graphics help makes learning about the world of computer science exciting. Whether at home or school, this clear and helpful guide to computer science is the tool you need to be able to support students with confidence. Series Overview: DK's bestselling Help Your Kids With series contains crystal-clear visual breakdowns of important subjects. Simple graphics and jargon-free text are key to making this series a user-friendly resource for frustrated parents who want to help their children get the most out of school.

Be prepared for exam day with Barron's. Trusted content from AP experts! Barron's AP Computer Science A: 2020-2021 includes in-depth content review and online practice. It's the only book you'll need to be prepared for exam day. Written by Experienced Educators Learn from Barron's--all content is written and reviewed by AP experts Build your understanding with comprehensive review tailored to the most recent exam Get a leg up with tips, strategies, and study advice for exam day--it's like having a trusted tutor by your side Be Confident on Exam Day Sharpen your test-taking skills with 6 full-length practice tests--3 in the book, including a diagnostic test to target your studying, and 3 more online Strengthen your knowledge with in-depth review covering all Units on the AP Computer Science A Exam Reinforce your learning with multiple-choice practice questions at the end of each chapter Interactive Online Practice Continue your practice with 3 full-length practice tests on Barron's Online Learning Hub Simulate the exam experience with a timed test option Deepen your understanding with detailed answer explanations and expert advice Gain confidence with automated scoring to check your learning progress

Includes Practice Test Questions TExES Computer Science 8-12 (141) Secrets helps you ace the Texas Examinations of Educator Standards, without weeks and months of endless studying. Our comprehensive TExES Computer Science 8-12 (141) Secrets study guide is written by our exam experts, who painstakingly researched every topic and concept that you need to know to ace your test. Our original research reveals specific weaknesses that you can exploit to increase your exam score more than you've ever imagined. TExES Computer Science 8-12 (141) Secrets includes: The 5 Secret Keys to TExES Success: Time is Your Greatest Enemy, Guessing is Not Guesswork, Practice Smarter, Not Harder, Prepare, Don't Procrastinate, Test Yourself; Introduction to the TExES Series including: TExES Assessment Explanation, Two Kinds of TExES Assessments; A comprehensive General Strategy review including: Make Predictions, Answer the Question, Benchmark, Valid Information, Avoid Fact Traps, Milk the Question, The Trap of Familiarity, Eliminate Answers, Tough Questions, Brainstorm, Read Carefully, Face Value, Prefixes, Hedge Phrases, Switchback Words, New Information, Time Management, Contextual Clues, Don't Panic, Pace Yourself, Answer Selection, Check Your Work, Beware of Directly Quoted Answers, Slang, Extreme Statements, Answer Choice Families; Along with a complete, in-depth study guide for your specific TExES exam, and much more...

Test Preparation Study Guide Questions and Answers

Everything You Need to Ace Computer Science and Coding in One Big Fat Notebook

Crafting Interpreters

Fundamentals of Computer Programming with C#

Barron's AP Computer Science A with CD-ROM

For the International Baccalaureate Diploma 2019

Updated to reflect the current exam, this popular AP test prep offers a wealth of study materials, pro tips, and practice tests--accessible in print, online, and mobile devices. Year after year, AP students choose "5 Steps to a 5" series because it's relevant, accurate, and comprehensive. It explains the tough stuff, offers tons of practice and explanations, and helps you set up a personalized plan to make the most efficient use of your study time. 5 Steps to a 5: AP Computer Science A is more than a review guide; it's a system that's helped thousands of students walk into test day feeling ready and confident. MATCHES THE LATEST EXAM! Let us supplement your AP classroom experience with this multi-platform study guide. The immensely popular 5 Steps to a 5: AP Computer Science A guide has been updated for the 2022-23 school year and now contains: 3 full-length practice tests that reflect the latest exam Comprehensive overview of the AP Computer Science A exam format Hundreds of practice exercises with thorough answer explanations Two full sections devoted to algorithm writing and two levels of sample questions for each Java concept (basic and advanced) Proven strategies specific to each section of the test NEW! Educator-specific features with resources and tips

AP® Computer Science Principles Crash Course® A Higher Score in Less Time! REA's AP® Computer Science Principles Crash Course® is the top choice for the last-minute studier or any Computer Science Principles student who wants a quick refresher on the course. Are you crunched for time? Have you started studying for your Advanced Placement® Computer Science Principles exam yet? How will you memorize everything you need to know before the test? Do you wish there was a fast and easy way to study for the exam AND boost your score? If this sounds like you, don't panic. REA's Crash Course for AP® Computer Science Principles is just what you need. Our Crash Course gives you: Targeted Review - Study Only What You Need to Know. The review is based on an in-depth analysis of the AP® Computer Science Principles course description outline and sample AP® test questions. It covers only the information tested on the exam, so you can make the most of your valuable study time. Expert Test-taking Strategies and Advice. Written by Jacqueline Corricelli, an award-winning AP® Computer Science Principles teacher and test development expert, the book gives you the topics and critical context that will matter most on exam day. Crash Course® relies on the author's extensive analysis of the test's structure and content. By following her advice, you can boost your score. REA's Online Practice Exam. Are you ready for your exam? Take REA's practice exam and find out. You'll get the benefits of timed testing, detailed explanations of answers, and automatic scoring analysis. Our practice exam is balanced to include every topic and type of question found on the actual AP® exam, so you'll be confident on test day. Whether you're cramming for the exam or reinforcing what you learn as you go through the course, this is the study guide every AP® Computer Science Principles student must have.

Discusses the best methods of learning, describing how rereading and rote repetition are counterproductive and how such techniques as self-testing, spaced retrieval, and finding additional layers of information in new material can enhance learning.

The free book "Fundamentals of Computer Programming with C#" is a comprehensive computer programming tutorial that teaches programming, logical thinking, data structures and algorithms, problem solving and high quality code with lots of examples in C#. It starts with the first steps in programming and software development like variables, data types, conditional statements, loops and arrays and continues with other basic topics like methods, numeral systems, strings and string processing, exceptions, classes and objects. After the basics this fundamental programming book enters into more advanced programming topics like recursion, data structures (lists, trees, hash-tables and graphs), high-quality code, unit testing and refactoring, object-oriented principles (inheritance, abstraction, encapsulation and polymorphism) and their implementation the C# language. It also covers fundamental topics that each good developer should know like algorithm design, complexity of algorithms and problem solving. The book uses C# language and Visual Studio to illustrate the programming concepts and explains some C# / .NET specific technologies like lambda expressions, extension methods and LINQ. The book is written by a team of developers lead by Svetlin Nakov who has 20+ years practical software development experience. It teaches the major programming concepts and way of thinking needed to become a good software engineer and the C# language in the meantime. It is a great start for anyone who wants to become a skillful software engineer. The books does not teach technologies like databases, mobile and web development, but shows the true way to master the basics of programming regardless of the languages, technologies and tools. It is good for beginners and intermediate developers who want to put a solid base for a successful career in the software engineering industry. The book is accompanied by free video lessons, presentation slides and mind maps, as well as hundreds of exercises and live examples. Download the free C# programming book, videos, presentations and other resources from <http://introprogramming.info>. Title: Fundamentals of Computer Programming with C# (The Bulgarian C# Programming Book) ISBN: 9789544007737 ISBN-13: 978-954-400-773-7 (9789544007737) ISBN-10: 954-400-773-3 (9544007733) Author: Svetlin Nakov & Co. Pages: 1132 Language: English Published: Sofia, 2013 Publisher: Faber Publishing, Bulgaria Web site: <http://www.introprogramming.info> License: CC-Attribution-Share-Alike Tags: free, programming, book, computer programming, programming fundamentals, ebook, book programming, C#, CSharp, C# book, tutorial, C# tutorial; programming concepts, programming fundamentals, compiler, Visual Studio, .NET, .NET Framework, data types, variables, expressions, statements, console, conditional statements, control-flow logic, loops, arrays, numeral systems, methods, strings, text processing, StringBuilder, exceptions, exception handling, stack trace, streams, files, text files, linear data structures, list, linked list, stack, queue, tree, balanced tree, graph, depth-first search, DFS, breadth-first search, BFS, dictionaries, hash tables, associative arrays, sets, algorithms, sorting algorithm, searching algorithms, recursion, combinatorial algorithms, algorithm complexity, OOP, object-oriented programming, classes, objects, constructors, fields, properties, static members, abstraction, interfaces, encapsulation, inheritance, virtual methods, polymorphism, cohesion, coupling, enumerations, generics, namespaces, UML, design patterns, extension methods, anonymous types, lambda expressions, LINQ, code quality, high-quality code, high-quality classes, high-quality methods, code formatting, self-documenting code, code refactoring, problem solving, problem solving methodology, 9789544007737, 9544007733

AP Computer Science a 2023

A Programmer's Guide to Computer Science

Cambridge International AS and A Level Computer Science Revision Guide

Get a Higher Score in Less Time

5 Steps to a 5 AP Computer Science A 2017 Edition

Starting Out with Java: Early Objects PDF eBook, Global Edition

REA's Essentials provide quick and easy access to critical information in a variety of different fields, ranging from the most basic to the most advanced. As its name implies, these concise, comprehensive study guides summarize the essentials of the field covered. Essentials are helpful when preparing for exams, doing homework and will remain a lasting reference source for students, teachers, and professionals. Computer Science I includes fundamental computer concepts, number representations, Boolean algebra, switching circuits, and computer architecture.

This updated manual presents computer science test takers with— Three AP practice tests for the Level A course, including a diagnostic test Charts detailing the topics for each test question All test questions answered and explained A subject review covers static variables, the List interface, Integer. MAX_VALUE, and Integer. MIN_VALUE. The practice exams contain several new questions on two-dimensional arrays and reflect the new free-response style used on the 2012 AP exam. This manual comes with aCD-ROM that has two more model AP exams with answers, explanations, automatic scoring for multiple-choice questions, and a scoring chart. BONUS ONLINE PRACTICE TEST: Students who purchase this book or package will also get FREE access to one additional full-length online AP Computer Science A test with all questions answered and explained. System Requirements: This program will run on a PC with: 2.33GHz or faster x86-compatible processor, or Intel® Atom, 1.6GHz or faster processor for netbooks Microsoft® Windows® Server 2008, Windows Vista® Home Premium, Business, Ultimate, or Enterprise (including 64 bit editions) with Service Pack 2, Windows 7, or Windows 8 Classic 512MB of RAM (1GB of RAM recommended) This program will run on a Mac® with: Intel Core, 1.83GHz or faster processor Mac OS X v10.6, v10.7, v10.8, or v10.9 512MB of RAM (1GB of RAM recommended)

Java Software Solutions teaches a foundation of programming techniques to foster well-designed object-oriented software. Heralded for its integration of small and large realistic examples, this worldwide best-selling text emphasizes building solid problem-solving and design skills to write high-quality programs. MyProgrammingLab, Pearson's new online homework and assessment tool, is available with this edition.

Get ready for your AP Computer Science exam with this straightforward, easy-to-follow study guide The new addition to McGraw-Hill's popular test prep series — 5 Steps to a 5: AP Computer Science 2017 provides a proven strategy to achieving high scores on this demanding Advanced Placement exam. This logical and easy-to-follow instructional guide introduces an effective 5-step study plan to help students build the skills, knowledge, and test-taking confidence they need to reach their full potential. The book helps students master both multiple-choice and free-response questions and offers comprehensive answer explanations and sample responses. Written by three AP Computer Science master teachers, this insider's guide reflects the latest course syllabus and includes 3 full-length practice exams, plus the most up-to-date scoring information. 3 full-length practice exams BONUS interactive AP Planner app delivers a customized study schedule and extra practice questions to students' mobile devices The 5 Steps to a 5 series has prepared millions of students for success The 5 Steps to a 5: AP Computer Science 2017 effective 5-step plan breaks down test preparation into stages: 1. Set Up Your Study Program 2. Determine Your Test Readiness 3. Develop Strategies for Success 4. Develop the Knowledge You Need to Score High 5. Build Your Test-Taking Confidence.

OSAT Computer Science (O81) Secrets Study Guide

Computer Science

Java Software Solutions

Core Exam

AP® Computer Science Principles Crash Course, For the 2021 Exam, 2nd Ed., Book + Online

Guide to Teaching Computer Science

From the editors of Brain Quest, America's #1 educational bestseller! This Big Fat Notebook makes it all [sink in] with key concepts, mnemonic devices, definitions, diagrams, and doodles to help you understand computer science. Including: Computing systems Binary code Algorithms Computational thinking Loops, events, and procedures Programming in Scratch and Python Boolean Expressions Web development Cybersecurity HTML CSS (and more! The Big Fat Notebook series is built on a simple and irresistible conceit: borrowing the notes from the smartest kid in class. Each book in the series meets Common Core State Standards, Next Generation Science Standards, and state history standards, and are vetted by National and State Teacher of the Year Award-winning teachers. They make learning fun and are the perfect next step for every kid who grew up on Brain Quest.

AP® Computer Science Principles Crash Course

Advanced Placement Computer Science Study Guide

Exam 1Z0-808

An Activity-Based Approach

The Essentials of Computer Science II

Texas Test Review for the Texas Examinations of Educator Standards