Mastering The As 400 A Practical Hands On Guide

*Ideal for anyone who wants to learn SQL programming for Oracle database. *Author has 25 years of teaching experience; 14 years of curriculum develoment experience; 14 years of experience with the Orcle database. *Book can be used as collateral/handouts for SQL training courses at universities/ high schools.

Mastering in Windows 10 Operating System is a guide that helps all dedicated windows users in exploring everything about the modern Windows 10 Operating System. It teaches you - Fundamentals of modern computers.- Basic computer system, journey of windows from its born to todays. - installing & configure window 10 operating system.- To explore all window 10 modern tile apps via Windows.- To configure and customize all Windows settings, services and control.- Windows apps, system tools, PC settings, accessories apps, control panel. - Windows 10 trick and tips, shortcut keys launch with run.- Window registry, modify, edit registry control & know more about it.- Configure group policy including computer system and user configuration. - Explore each & every window 10 group policy one by one in this book.

The AS/400 Control Language (CL) is a set of commands that provide the primary interface

between users and the system. Collectively, CL has more than a thousand commands, each of which is designed to perform a specific system, operational, or programming task. This book is a complete tutorial and easy-to-use reference for the AS/400 control language, together with AS/400: SYSTEM, UTILITIES, DATABASE AND PROGRAMMING by Lin & Stewart, it forms a complete tutorial and reference package for the AS/400. Covers CL commands, CL programming fundamentals, CL programming elements, calling programs and processing files, and advanced topics, such as sending messages and debugging programs. For AS/400 programmers and end

Encouraging hands-on practice, Mastering Linux provides a comprehensive, up-to-date guide to Linux concepts, usage, and programming. Through a set of carefully selected topics and practical examples, the book imparts a sound understanding of operating system concepts and shows how to use Linux effectively. Ready-to-Use Examples Offer Immediate Access to Practical Applications After a primer on the fundamentals, the text covers user interfaces, commands and filters, Bash Shell scripting, the file system, networking and Internet use, and kernel system calls. It presents many examples and complete programs ready to run on your Linux system. Each chapter includes a summary and exercises of varying degrees of difficulty. Web

Resource The companion website at http://ml.sofpower.com/ offers a host of ancillary materials. Along with links to numerous resources, it includes appendices on SSH and SFTP, VIM, text editing with Vi, and the emacs editor. The site also provides a complete example code package for download. Master the Linux Operating System Toolbox This book enables you to leverage the capabilities and power of the Linux system more effectively. Going beyond this, it can help you write programs at the shell and C levels—encouraging you to build new custom tools for applications and R&D. "Written by nationally known, bestselling author Tom Swan, Mastering Turbo Assembler, Second Edition, provides a complete introduction to assembly language programming, as well as thorough coverage of intermediate and advanced topics." "With hundreds of working examples of code, chapter summaries, exercises, and projects, you'll learn how to write inline assembler code and master all the features of Borland's Turbo Assembler - painlessly."--BOOK JACKET.Title Summary field provided by Blackwell North America, Inc. All Rights Reserved

Recently revised and updated, this informative reference gives students and professionals a strong foundation in the essentials of business programming using RPG IV. Complete with numerous programming examples and support

material, this account covers a variety of topics, including program development process, RPG IV specifications and operations, top down structured design, database definition and processing, interactive applications, and modular programming. Comprehensive and compatible with IBM i Release 5.4, 6.1, 7.1 and later releases, this manual will equip academics with the necessary tools to create highly effective and maintainable RPG IV programs using the latest techniques.

Take your knowledge of Redis to the next level to build enthralling applications with ease About This Book Detailed explanation on Data structure server with powerful strings, lists, sets, sorted-sets, and hashes Learn to Scale your data with Redis Cluster's distributed setup This is a fast paced practical guide full of screenshots and real work examples to help you get to grips with Redis in no time. Who This Book Is For If you are a software developer with some experience with Redis and would now like to elevate your Redis knowledge and skills even further, then this book is for you. What You Will Learn Choose the right Redis data structure for your problem Understand Redis event-loop and implement your own custom C commands Solve complex workflows with Redis server-side scripting with Lua Configure your Redis instance for optimal memory management Scale your data in a distributed manner with Redis Cluster Improve the

stability of your Redis solution using Redis Sentinel Complement your existing database and NoSQL environment with Redis Exploit a wide range of features provided by Redis to become a DevOps expert. In Detail Redis is the most popular, open-source, key value data structure server that provides a wide range of capabilities on which multiple platforms can be be built. Its fast and flexible data structures give your existing applications an edge in the development environment. This book is a practical guide which aims to help you deep dive into the world of Redis data structure to exploit its excellent features. We start our journey by understanding the need of Redis in brief, followed by an explanation of Advanced key management. Next, you will learn about design patterns, best practices for using Redis in DevOps environment and Docker containerization paradigm in detail. After this, you will understand the concept of scaling with Redis cluster and Redis Sentinel , followed by a through explanation of incorporating Redis with NoSQL technologies such as Elasticsearch and MongoDB. At the end of this section, you will be able to develop competent applications using these technologies. You will then explore the message queuing and task management features of Redis and will be able to implement them in your applications. Finally, you will learn how Redis can be used to build real-time data analytic dashboards, for different disparate data

streams. Style and approach This is a hands on guide full of easy-to-follow examples, that illustrate important concepts and techniques to solve complex problems with Redis.

Tis guide is intended for students learning computer operations and administration on the AS/400 computer system. Offering a unique approach to learning AS/400 operations with extensive hands-on labs, self-tests, and review questions, this book uses real-world situations to enable users to be productive with AS/400 operations. This book also covers the requirements of the two IBM AS/400 certification exams: AS/400 Associate System Operator Certification (test 052) and AS/400 Professional System Operator Certification (test 053). The primary goal of this book is to teach users how to perform day-to-day operations on an AS/400 computer system, including IPL, starting and stopping the system, backup and recovery, and system cleanup. Procedures covered include creating and maintaining user environments, device configuration and management, security implementation, work and data management, and TCP/IP configuration. Console operations discussed include jobs, message handling, and working with spool files and peripheral devices. Functions of Operations Navigator are covered, and Electronic Customer Support (ECS) and PTF upgrades are also introduced.

86255-7 Maximize your AS/400 productivity! The #1 guide to managing AS/400 hardware & OS/400 software. "Navigating the AS/400: A Hands-On Guide" is the most complete, up-to-date independent reference to the AS/400. This practical guide delivers all you need to know to administer and optimize AS/400 hardware and OS/400 software--for both traditional and RISC AS/400 platforms. Learn how to: Use and support 5250 Workstations. Work with the AS/400 Command Language.. Manage libraries, files and members. Control security in the AS/400 user environment. Use and optimize printer writers, output and message queues. Manage backups and configuration of local devices. Understand AS/400 tools like the Source Entry Utility, Data File Utility and Screen Design Aid. Get a basic introduction to OfficeVision/400 office automation software. The book also includes complete listings of OS/400 commands, types of objects, 5250 keys and device names. "Navigating the AS/400" includes detailed coverage of AS/400 networking and communications, including the relationship of the AS/400 to the Internet. Discover how to integrate AS/400 applications with Windows and OS/2 workstations via IBM's powerful Client Access/400 solution. If you manage or program the AS/400, "Navigating the AS/400" brings together all the day-to-day information you need in one convenient, thorough reference. It'll make life a whole lot

easier--and more productive.

A comprehensive introduction to IBM i—the operating system that runs on IBM's midrange computer systems (System i, iSeries, AS/400)—and its facilities, this in-depth resource uses step-by-step exercises, review questions, and chapter labs to teach new programmers the latest system concepts and tools. Reflecting system changes that have occurred since 2000, topics include Rational Developer for Power (RDP), RDP Screen Designer and Report Designer, IBM i Access for Windows, IBM i Access for Web, IBM DB2 Web Query for i, and Remote System Explorer (RSE).

Annotation A hands-on approach to learning library-object structure, utilities and database management capabilities, application development tools, and OS/400 Control Language (CL), for the AS/400 computer. Twelve lessons, based largely on lab exercises, teach students how to communicate with the system, and use its many features, including CL, Query/400, logical files, DFU, SQL, and SDA. Annotation copyrighted by Book News, Inc., Portland, OR.

From the Emmy-winning host of Lidia's Kitchen, best-selling author, and beloved ambassador for Italian culinary traditions in America comes the ultimate master class: a beautifully produced definitive guide to Italian cooking, coauthored with her daughter, Tanya—covering everything from

ingredients to techniques to tools, plus more than 400 delectable recipes. Teaching has always been Lidia's passion, and in this magnificent book she gives us the full benefit of that passion and of her deep, comprehensive understanding of what it takes to create delicious Italian meals. With this book, readers will learn all the techniques needed to master Italian cooking. Lidia introduces us to the full range of standard ingredients—meats and fish, vegetables and fruits, grains, spices and condiments—and how to buy, store, clean, and cook with them. The 400 recipes run the full gamut from classics like risotto alla milanese and Tagliatelle with Mushroom Sauce to Lidia's always-satisfying originals like Bread and Prune Gnocchi and Beet Ravioli in Poppy Seed Sauce. She gives us a comprehensive guide to the tools every kitchen should have to produce the best results. And she has even included a glossary of cuisine-related words and phrases that will prove indispensable for cooking, as well as for traveling and dining in Italy. There is no other book like this; it is the one book on Italian cuisine that every cook will need. The very idea that Buddhist teachings can be mastered will arouse controversy within Buddhist circles. Even so, Daniel Ingram insists that enlightenment is an attainable goal, once our fanciful notions of it are stripped away, and we have learned to use meditation as a method for examining reality

rather than an opportunity to wallow in self-absorbed mind-noise. This book sets out concisely the difference between concentration-based (sometimes referred to as Zen) and insight (Vipassana) meditation. The author provides example practices and, most importantly, he presents detailed maps of the states of mind we are likely to encounter and the stages we must negotiate as we move through clearly defined cycles of insight.

JavaScript is the most widely used scripting language for the Web and continues to grow in popularity. With this Premium Edition of Mastering JavaScript and its companion CD, savvy HTML users can learn to write JavaScript programs that will make their Web sites come alive! This is the most comprehensive tutorial and reference available, with information on both Netscape and Microsoft's enhancements of JavaScript. The book starts with everything beginners need to know and then moves on to more advanced topics, such as scripting ActiveX components, working with plug-ins, building multimedia applications, and interfacing with CGI programs. The author is a well-known Internet programming expert and has led the development of secure networks for the Department of Defense.

Topic: In the open source, full-text search community, a leader emerges – Apache Solr. Apache Solr enables you to index and access documents orders of magnitude faster than classical

databases and thereby provides a first-class search experience to your end users. Brief Description: Mastering Apache Solr is a practical, hands-on guide containing crisp, relevant, systematically arranged, and progressive chapters. These chapters contain a wealth of information presented in a direct and easy-to-understand manner. This book covers key technical concepts, highlighting Solr's supremacy over classical databases in full-text search, which will help you accelerate your progress in the Solr world. Detailed Description: Mastering Apache Solr starts with an introduction to Apache Solr, its underlying technologies, the main differences between the classical database engines, and gradually moves to more advance topics like boosting performance. In this book, we will look under the hood of a large number of topics and discuss answers to pertinent questions like why denormalize data, how to import classical databases' data inside Apache Solr, how to serve Solr through five different web servers, how to optimize them to serve Solr even faster. An important and major topic covered in this book is Solr's querying mechanism, which will prove to be a strong ally in our journey through this book. We then look at boosting performance and deploying Solr using several servlet servers. Finally, we cover how to communicate with Solr using different programming languages, before deploying it in a cloud-based

environment. Who this book is for: Mastering Apache Solr has been written for developers, programmers, and data specialists who want to take a leap towards the future of full-text storage and search and offer a world-class experience to their users. The reader is expected to have a working knowledge of traditional databases, Linux-based operating systems, and XML configuration files. Style and Approach: Mastering Apache Solr is written lucidly and has a dynamically simple approach. From the first page to the last, the book remains practical and focuses on the most important topics used in the world of Apache Solr without neglecting important theoretical fundamentals that help you build a strong foundation. Conclusion: Mastering Apache Solr will empower you to provide a world-class search experience to your end users through the discovery of the powerful mechanisms presented in this book. This text provides an introduction to Microsoft's Win 32 programming architecture. It aims to allow the programmer to create commercial applications for Windows 98 and Window NT 5 platforms. The CD-ROM includes source code, executable programs and SDKs.

Follow the step-by-step techniques to manifest a new way of being and step out of the chaos of the third dimension into the higher consciousness of the fifth Connect with the Teachers of Light directly as you absorb the energetics embedded in every page of this book. Access free supplemental meditations, lectures, videos and animations from the actual

Mastering Alchemy course, guided by the Teachers of Light. A free, private online classroom is available only to readers of this book. This unique, interactive book offers a self-contained programme to access a totally new way of life. It is A Course in Miracles for the 21st century, reaching far beyond that earlier initiative by incorporating the profound Shift in human consciousness that has been occurring over the last few decades. A Course in Mastering Alchemy has been specifically orchestrated by the Teachers of Light to expand your understanding, your consciousness and your ability to use the new energy tools and manifestation techniques they offer. What can Alchemy do for you? Alchemy is the ability to alter the frequencies of our thoughts to change how you perceive and interact with the world. Begin to experience a new higher level of conscious awareness. To master alchemy, new energy tools of unparalleled capacity have now become available. These are provided here for the first time in book form by the Teachers of Light. The guidance of these Ascended Beings has been given to Jim Self and Roxane Burnett and are presented in the hugely popular online Mastering Alchemy course. This book will provide you with all the information, exercises and practical experiences you need to: • Become conscious of the rules and limitations of your present reality. • Recognize that much of who you believe you are has very little to do with who you really are. • Step out of the unnecessary concept of "suffering" into a state of complete wellbeing. • Recreate yourself so you are no longer at the mercy of conditioned thoughts and emotionally charged reactions. • Begin to access your highest consciousness. • Create a new, strong and capable platform for experiencing the world. Join with Jim and Roxane and walk the pathway into your personal ascension.

Learn BIM the Revit Way Revit is Autodesk's industry-leading

Building Information Modeling (BIM) software, and this Autodesk Official Training Guide thoroughly covers core Revit topics such as modeling, massing, sustainability, and more. It also brings you up to speed on advanced techniques such as using Revit in the cloud and how to go direct to fabrication. Organized by real-world workflows, this book covers the interface, templates, worksharing, modeling and massing, visualization techniques for different industries, sustainability, roofs and floors, stairs and railings, documentation, and much more. This Autodesk Official Training Guide teaches you how to use the leading BIM software and also serves as a study aid for Autodesk's Certified Associate and Certified Professional exams Organized according to actual workflows, the book begins with an explanation of key BIM concepts, familiarizes you with the interface, and then moves into actual application Covers modeling and massing, the Family Editor, visualization techniques for various industries, documentation, annotation and detailing, and how to work with complex walls, roofs, floors, stairs, and railings Companion website features before-and-after tutorial files, so readers can jump in at any point Mastering Autodesk Revit Architecture helps you learn Revit in a context that makes real-world sense.

Regular expressions are an extremely powerful tool for manipulating text and data. They are now standard features in a wide range of languages and popular tools, including Perl, Python, Ruby, Java, VB.NET and C# (and any language using the .NET Framework), PHP, and MySQL. If you don't use regular expressions yet, you will discover in this book a whole new world of mastery over your data. If you already use them, you'll appreciate this book's unprecedented detail and breadth of coverage. If you think you know all you need to know about regularexpressions, this book is a stunning eye-opener. As this book shows, a command of regular

expressions is an invaluable skill. Regular expressions allow you to code complex and subtle text processing that you never imagined could be automated. Regular expressions can save you time and aggravation. They can be used to craft elegant solutions to a wide range of problems. Once you've mastered regular expressions, they'll become an invaluable part of your toolkit. You will wonder how you ever got by without them. Yet despite their wide availability, flexibility, and unparalleled power, regular expressions are frequently underutilized. Yet what is power in the hands of an expert can be fraught with peril for the unwary. Mastering Regular Expressions will help you navigate the minefield to becoming an expert and help you optimize your use of regular expressions. Mastering Regular Expressions, Third Edition, now includes a full chapter devoted to PHP and its powerful and expressive suite of regular expression functions, in addition to enhanced PHP coverage in the central "core" chapters. Furthermore, this edition has been updated throughout to reflect advances in other languages, including expanded in-depth coverage of Sun's java.util.regex package, which has emerged as the standard Java regex implementation. Topics include: A comparison of features among different versions of many languages and tools How the regular expression engine works Optimization (major savings available here!) Matching just what you want, but not what you don't want Sections and chapters on individual languages Written in the lucid, entertaining tone that makes a complex, dry topic become crystal-clear to programmers, and sprinkled with solutions to complex real-world problems, Mastering Regular Expressions, Third Edition offers a wealth information that you can put to immediateuse. Reviews of this new edition and the second edition: "There isn't a better (or more useful) book available on regular expressions." --Zak Greant, Managing Director, eZ Systems "A real tour-de-force

of a book which not only covers the mechanics of regexes in extraordinary detail but also talks about efficiency and the use of regexes in Perl, Java, and .NET...If you use regular expressions as part of your professional work (even if you already have a good book on whatever language you're programming in) I would strongly recommend this book to you." --Dr. Chris Brown, Linux Format "The author does an outstanding job leading the reader from regexnovice to master. The book is extremely easy to read and chock full ofuseful and relevant examples...Regular expressions are valuable toolsthat every developer should have in their toolbox. Mastering RegularExpressions is the definitive guide to the subject, and an outstandingresource that belongs on every programmer's bookshelf. Ten out of TenHorseshoes." --Jason Menard, Java Ranch

The 2013 edition of the bestselling vSphere book on the market Virtualization remains the hottest trend in the IT world, and VMware vSphere is the industry's most widely deployed virtualization solution. The demand for IT professionals skilled in virtualization and cloud-related technologies is great and expected to keep growing. This comprehensive Sybex guide covers all the features and capabilities of VMware vSphere, showing administrators step by step how to install, configure, operate, manage, and secure it. This perfect blend of hands-on instruction, conceptual explanation, and practical application is reinforced with real-world examples. Led by Scott Lowe and Nick Marshall, both VMware vExperts, the author team provides expertise that will prepare IT professionals to excel in using this virtualization technology. Virtualization is seen as a "best practice" for high availability and disaster recovery solutions, as well as for applications such as Exchange Server and SharePoint IDC estimates that there are as many as 7 million jobs available worldwide in virtualization and cloud technology Provides hands-on

instruction in all the latest features and capabilities of VMware vSphere, with both conceptual explanations and practical applications Author team is lead by Scott Lowe and Nick Marshall, well-known VMware experts and popular bloggers Mastering VMware vSphere provides what every virtualization professional needs to know.

A recognized SQL expert and author of "SQL Instant Reference" provides this guide for database programmers and administrators who need to learn SQL or want to know about changes in the new standard. The CD offers several commercial SQL compilers for the beginning to try out, code examples from the book, and an electronic reference to SQL commands.

Measure, optimize, and improve the performance of your Python code with this easy-to-follow guide About This Book Master the do's and don'ts of Python performance programming Learn how to use exiting new tools that will help you improve your scripts A step-by-step, conceptual guide to teach you how to optimize and fine-tune your critical pieces of code Who This Book Is For If you're a Python developer looking to improve the speed of your scripts or simply wanting to take your skills to the next level, then this book is perfect for you. What You Will Learn Master code optimization step-by-step and learn how to use different tools Understand what a profiler is and how to read its output Interpret visual output from profiling tools and improve the performance of your script Use Cython to create fast applications using Python and C Take advantage of PyPy to improve performance of Python code Optimize number-crunching code with NumPy, Numba, Parakeet, and Pandas In Detail Simply knowing how to code is not enough; on mission-critical pieces of code, every bit of memory and every CPU cycle counts, and knowing how to squish every bit of processing power out of your code is a crucial and sought-after skill. Nowadays,

Python is used for many scientific projects, and sometimes the calculations done in those projects require some serious fine-tuning. Profilers are tools designed to help you measure the performance of your code and help you during the optimization process, so knowing how to use them and read their output is very handy. This book starts from the basics and progressively moves on to more advanced topics. You'll learn everything from profiling all the way up to writing a real-life application and applying a full set of tools designed to improve it in different ways. In the middle, you'll stop to learn about the major profilers used in Python and about some graphic tools to help you make sense of their output. You'll then move from generic optimization techniques onto Python-specific ones, going over the main constructs of the language that will help you improve your speed without much of a change. Finally, the book covers some number-crunching-specific libraries and how to use them properly to get the best speed out of them. After reading this book, you will know how to take any Python code, profile it, find out where the bottlenecks are, and apply different techniques to remove them. Style and approach This easy-to-follow, practical guide will help you enhance your optimization skills by improving real-world code.

Includes more than 30 percent revised material and five new chapters, covering the new 2.1 features such as EJB Timer Service and JMS as well as the latest open source Java solutions The book was developed as part of TheServerSide.com online EJB community, ensuring a built-in audience Demonstrates how to build an EJB system, program with EJB, adopt best practices, and harness advanced EJB concepts and techniques, including transactions, persistence, clustering, integration, and performance optimization Offers practical guidance on when not to use EJB and how to use simpler, less costly open

source technologies in place of or in conjunction with EJB Mastering the AS/400A Practical, Hands-on GuideSystem iNetwork

Join the technological revolution that's taking the financial world by storm. Mastering Bitcoin is your guide through the seemingly complex world of bitcoin, providing the knowledge you need to participate in the internet of money. Whether you're building the next killer app, investing in a startup, or simply curious about the technology, this revised and expanded second edition provides essential detail to get you started. Bitcoin, the first successful decentralized digital currency, is still in its early stages and yet it's already spawned a multi-billion-dollar global economy open to anyone with the knowledge and passion to participate. Mastering Bitcoin provides the knowledge. You simply supply the passion. The second edition includes: A broad introduction of bitcoin and its underlying blockchain—ideal for non-technical users, investors, and business executives An explanation of the technical foundations of bitcoin and cryptographic currencies for developers, engineers, and software and systems architects Details of the bitcoin decentralized network, peer-to-peer architecture, transaction lifecycle, and security principles New developments such as Segregated Witness, Payment Channels, and Lightning Network A deep dive into blockchain applications, including how to combine the building blocks offered by this platform into higher-level applications User stories, analogies, examples, and code snippets illustrating key technical concepts

Mastering Arduino is a practical, no-nonsense guide that will teach you the electronics and programming skills that you need to create advanced Arduino projects. Key Features Covers enough electronics and code for users at any level Includes complete circuit diagrams for all projects Final robot project combines knowledge from all the chapters Book

Description Mastering Arduino is an all-in-one guide to getting the most out of your Arduino. This practical, no-nonsense guide teaches you all of the electronics and programming skills that you need to create advanced Arduino projects. This book is packed full of real-world projects for you to practice on, bringing all of the knowledge in the book together and giving you the skills to build your own robot from the examples in this book. The final two chapters discuss wireless technologies and how they can be used in your projects. The book begins with the basics of electronics, making sure that you understand components, circuits, and prototyping before moving on. It then performs the same function for code, getting you into the Arduino IDE and showing you how to connect the Arduino to a computer and run simple projects on your Arduino. Once the basics are out of the way, the next 10 chapters of the book focus on small projects centered around particular components, such as LCD displays, stepper motors, or voice synthesizers. Each of these chapters will get you familiar with the technology involved, how to build with it, how to program it, and how it can be used in your own projects. What you will learn Explains the basics of electronics and circuits along with the Arduino IDE and basic C operations Use sensors to build a mini weather station Control LEDs using code Power a robot arm using stepper motors Remotely control your Arduino using RF, Bluetooth LE, and Bluetooth Classic Make a sound tone generator with buttons Who this book is for Mastering Arduino is for anybody who wants to experiment with an Arduino board and build simple projects. No prior knowledge is required, as the fundamentals of electronics and coding are covered in this book as well as advance projects.
Build Dynamic, Database-Driven Web Sites PHP is a fully developed, server-side embedded scripting language, and its importance for web application development has grown with

the rise of the Apache web server. Are you a novice programmer? This book starts with the basics and takes you wherever you want to go. A seasoned pro? You'll be amazed at how much you can capitalize on PHP's power and object-oriented support, and how it leverages your knowledge of other languages. Finally, if you're a PHP user in search of an authoritative reference, you need look no further. Mastering PHP 4.1 guides you through all levels of real-world web programming problems and provides expert advice on which solutions work best. Coverage Includes: Reading and writing files Validating data with regular expressions Accessing MySQL and PostgreSQL databases Accessing LDAP servers Generating images and PDF documents on the fly Building authentication and access-control systems Sending e-mail and building web-to-e-mail interfaces Creating your own classes Closing common security holes in PHP scripts Parsing and generating XML documents Using sessions to store persistent data Debugging misbehaving scripts Encrypting and decrypting sensitive data Note: CD-ROM/DVD and other supplementary materials are not included as part of eBook file.

Ideal for A/AS-level, BTEC, Further and Adult Education courses, Introduction to degrees. This comprehensive book covers a rapidly changing subject and provides the basis for understanding both the theories and practical aspects of the subject. This second edition has been fully revised to incorporate guidance on presenting practical work, the psychology of work and the use of statistics in psychology. Ethereum represents the gateway to a worldwide, decentralized computing paradigm. This platform enables you to run decentralized applications (DApps) and smart contracts that have no central points of failure or control, integrate with a payment network, and operate on an open blockchain. With this practical guide, Andreas M. Antonopoulos and Gavin

Wood provide everything you need to know about building smart contracts and DApps on Ethereum and other virtual-machine blockchains. Discover why IBM, Microsoft, NASDAQ, and hundreds of other organizations are experimenting with Ethereum. This essential guide shows you how to develop the skills necessary to be an innovator in this growing and exciting new industry. Run an Ethereum client, create and transmit basic transactions, and program smart contracts Learn the essentials of public key cryptography, hashes, and digital signatures Understand how "wallets" hold digital keys that control funds and smart contracts Interact with Ethereum clients programmatically using JavaScript libraries and Remote Procedure Call interfaces Learn security best practices, design patterns, and anti-patterns with real-world examples Create tokens that represent assets, shares, votes, or access control rights Build decentralized applications using multiple peer-to-peer (P2P) components This book follows a standard tutorial approach with approximately 750 code samples spread through the 19 chapters. This amounts to over 5,900 lines of code that illustrate each concept. This book is aimed at programmers who have already learned the basics of object-oriented Python and need to write more sophisticated, flexible code that integrates seamlessly with the rest of Python. This book assumes a computer science background, with experience of common Python design patterns.
Xcode is the flagship application of Apple's suite of developer tools. In this book, Xcode experts Maurice Kelly and Joshua Nozzi show you how to use Apple's powerful developer tools to start writing iOS and OS X apps. You'll learn what Xcode can do and gain a deep understanding of how Xcode works so you can create and maintain great apps of your own. After a tour of the Xcode tools suite, you'll jump in by creating a basic Cocoa app and exploring the Xcode

interface. You'll learn how to manage your project, write and debug code, build user interfaces, and use version control. You'll also learn to customize the build process, write and run unit tests, profile your code, and deploy your apps. This book includes: Detailed instruction, ample illustrations, and clear examples Real-world guidance and advice Insight into best practices from two Xcode experts Emphasis on using Xcode's streamlined interface for UI design, coding, testing, and debugging

Grandmaster Johan Hellsten is convinced that mastering chess strategy - just like chess tactics - requires practice, practice and yet more practice! This outstanding book is a product of his many years' work as a full-time chess teacher, and is specifically designed as part of a structured training programme to improve strategic thinking. It focuses on a wide range of key subjects and provides a basic foundation for strategic play. Furthermore, in addition to the many examples, there's an abundance of carefully selected exercises which allow readers to monitor their progress and put into practice what they have just learned. Following such a course is an ideal way for players of all standards to improve. Although designed mainly for students, this book is also an excellent resource for chess teachers and trainers. An essential course in chess strategyContains over 400 pages of Grandmaster adviceIncludes more than 350 training exercises

Master the robust features of R parallel programming to accelerate your data science computationsAbout This Book*Create R programs that exploit the computational capability of your cloud platforms and computers to the fullest*Become an expert in writing the most efficient and highest performance parallel algorithms in R*Get to grips with the concept of parallelism to accelerate your existing R programsWho This Book Is ForThis book is for R programmers who want to step beyond its inherent single-

threaded and restricted memory limitations and learn how to implement highly accelerated and scalable algorithms that are a necessity for the performant processing of Big Data. No previous knowledge of parallelism is required. This book also provides for the more advanced technical programmer seeking to go beyond high level parallel frameworks.What You Will Learn*Create and structure efficient load-balanced parallel computation in R, using R's built-in parallel package*Deploy and utilize cloud-based parallel infrastructure from R, including launching a distributed computation on Hadoop running on Amazon Web Services (AWS)*Get accustomed to parallel efficiency, and apply simple techniques to benchmark, measure speed and target improvement in your own code*Develop complex parallel processing algorithms with the standard Message Passing Interface (MPI) using RMPI, pbdMPI, and SPRINT packages*Build and extend a parallel R package (SPRINT) with your own MPI-based routines*Implement accelerated numerical functions in R utilizing the vector processing capability of your Graphics Processing Unit (GPU) with OpenCL*Understand parallel programming pitfalls, such as deadlock and numerical instability, and the approaches to handle and avoid them*Build a task farm master-worker, spatial grid, and hybrid parallel R programsIn DetailR is one of the most popular programming languages used in data science. Applying R to big data and complex analytic tasks requires the harnessing of scalable compute resources.Mastering Parallel Programming with R presents a comprehensive and practical treatise on how to build highly scalable and efficient algorithms in R. It will teach you a variety of parallelization techniques, from simple use of R's built-in parallel package versions of lapply(), to high-level AWS cloud-based Hadoop and Apache Spark frameworks. It will also teach you low level scalable parallel programming

using RMPI and pbdMPI for message passing, applicable to clusters and supercomputers, and how to exploit thousand-fold simple processor GPUs through ROpenCL. By the end of the book, you will understand the factors that influence parallel efficiency, including assessing code performance and implementing load balancing; pitfalls to avoid, including deadlock and numerical instability issues; how to structure your code and data for the most appropriate type of parallelism for your problem domain; and how to extract the maximum performance from your R code running on a variety of computer systems.

Orchestrate the designing, development, testing, and deployment of web applications with Symfony About This Book Create a robust and reliable Symfony development pipeline using Amazon's cloud platform Cut development and maintenance costs by defining crystal clear features and possible scenarios for each feature before implementation Follow detailed examples provided in each chapter to create a task management application Who This Book Is For If you are a PHP developer with some experience in Symfony and are looking to master the framework and use it to its full potential, then this book is for you. Though experience with PHP, object-oriented techniques, and Symfony basics is assumed, this book will give you a crash course on the basics and then proceed to more advanced topics. What You Will Learn Install and configure Symfony and required third-party bundles to develop a task management application Set up a continuous integration server to orchestrate automatic builds every time you add a new feature to your project Reduce maintenance costs dramatically using Behaviour Driven Development (BDD) Create a slick user interface using the Bootstrap framework Design robust business logic using Doctrine Build a comprehensive dashboard and secure your project using the Sonata project Improve performance using

Redis, Memcache, and Varnish Create customized Symfony commands and add them to your console In Detail In this book, you will learn some lesser known aspects of development with Symfony, and you will see how to use Symfony as a framework to create reliable and effective applications. You might have developed some impressive PHP libraries in other projects, but what is the point when your library is tied to one particular project? With Symfony, you can turn your code into a service and reuse it in other projects. This book starts with Symfony concepts such as bundles, routing, twig, doctrine, and more, taking you through the request/response life cycle. You will then proceed to set up development, test, and deployment environments in AWS. Then you will create reliable projects using Behat and Mink, and design business logic, cover authentication, and authorization steps in a security checking process. You will be walked through concepts such as DependencyInjection, service containers, and services, and go through steps to create customized commands for Symfony's console. Finally, the book covers performance optimization and the use of Varnish and Memcached in our project, and you are treated with the creation of database agnostic bundles and best practices. Style and approach A step-by-step guide to mastering Symfony while developing a task management application. Each chapter comes with detailed examples. The instant New York Times bestseller. A groundbreaking method to master all types of diabetes by reversing insulin resistance. Current medical wisdom advises that anyone suffering from diabetes or prediabetes should eat a low-carbohydrate, high-fat diet. But in this revolutionary book, Cyrus Khambatta, PhD, and Robby Barbaro, MPH, rely on a century of research to show that advice is misguided. While it may improve short-term blood glucose control, such a diet also increases the long-term risk for chronic diseases like

cancer, high blood pressure, high cholesterol, chronic kidney disease, and fatty liver disease. The revolutionary solution is to eat a low-fat plant-based whole-food diet, the most powerful way to reverse insulin resistance in all types of diabetes: type 1, type 1.5, type 2, prediabetes, and gestational diabetes. As the creators of the extraordinary and effective Mastering Diabetes Method, Khambatta and Barbaro lay out a step-by-step plan proven to reverse insulin resistance-the root cause of blood glucose variability- while improving overall health and maximizing life expectancy. Armed with more than 800 scientific references and drawing on more than 36 years of personal experience living with type 1 diabetes themselves, the authors show how to eat large quantities of carbohydrate-rich whole foods like bananas, potatoes, and quinoa while decreasing blood glucose, oral medication, and insulin requirements. They also provide life-changing advice on intermittent fasting and daily exercise and offer tips on eating in tricky situations, such as restaurant meals and family dinners. Perhaps best of all: On the Mastering Diabetes Method, you will never go hungry. With more than 30 delicious, filling, and nutrient-dense recipes and backed by cutting-edge nutritional science, Mastering Diabetes will help you maximize your insulin sensitivity, attain your ideal body weight, improve your digestive health, gain energy, live an active life, and feel the best you've felt in years.
Get Everything You Can Out of Visual C# and the .NET Framework Mastering Visual C# .NET is the best resource for getting everything you can out of the new C# language and the .NET Framework. You'll master C# language essentials, quickly taking advantage of the many improvements it offers over C++ and see tons of examples that show you all the ways that .NET can make your programming more efficient and your applications more powerful. You'll learn how to

create stand-alone applications, as well as build Windows, web, and database applications. You'll even see how to develop web services—a technology that holds great promise for the future of distributed application. Coverage includes: Mastering the fundamentals and advanced aspects of the C# language Using Visual Studio .NET for increased coding productivity and debugging Creating distributed applications with remoting and web services Understanding object-oriented concepts Delivering data across the Internet with web services Using XML to communicate with other applications Accessing databases with ADO.NET Building Windows applications Creating web applications using ASP.NET Reading and writing data from/to files or the Internet Using advanced data structures to store and manipulate information Using multi-threading for greater application efficiency Using reflection to manipulate running code Building distributed applications with remoting and web services Securing code and authenticating users Using built-in encryption facilities Making your applications world-ready Parsing strings with regular expressions Using delegates to handle runtime events Programming defensively with exception handling

Complete Coverage of Windows XP Professional The latest from the world's leading Windows authority Mark Minasi, Mastering Windows XP Professional is the premier resource for anyone installing, configuring, and administering Windows XP, whether as part of a corporate network or for home or small business use. Depend on it for step-by-step instruction in hundreds of key techniques--not to mention a thorough look at all of XP's new features and troubleshooting advice that will save you time, money, and countless headaches. Updates to this edition include new coverage for administrators on topics including Web and FTP servers, scripting, the Microsoft Mangement Console and Services,

and security. Coverage Includes * Using the new Start menu and Control Panel * Setting up broadband Internet connections * Setting up and configuring a peer-to-peer network * Securing your PC and network from intruders * Encrypting vital data * Running programs designed for previous versions of Windows * Transferring files and settings from one computer to another * Sharing your desktop with remote users * Connecting to remote computers using Remote Desktop Connection * Using Windows Media Player 8 * Communicating in real time using Windows Messenger * Using Windows XP on Portable Computers * Restoring your system to a previous configuration * Preventing disaster; backing up and recovering data * Using the Services and MMC administration tools Bonus Coverage: Windows XP Essential Skills Includes 96 pages of full-color visual, step-by-step instruction on the 57 most important Windows XP skills. In minutes, you'll learn how to burn a CD, set up an Internet connection, use XP's powerful System Restore feature, and much more.

Gain expertise in Flask to create dynamic and powerful web applications About This Book Work with scalable Flask application structures to create complex web apps Discover the most powerful Flask extensions and learn how to create one Deploy your application to real-world platforms using this step-by-step guide Who This Book Is For If you are a Flask user who knows the basics of the library and how to create basic web pages with HTML and CSS, and you want to take your applications to the next level, this is the book for you. Harnessing the full power of Flask will allow you to create complex web applications with ease. What You Will Learn Set up a best practices Python environment Use SQLAlchemy to programmatically query a database Develop templates in Jinja Set up an MVC environment for Flask Discover NoSQL, when to use it, when not to, and how to use it Develop a

custom Flask extension Use Celery to create asynchronous tasks In Detail Flask is a library that allows programmers to create web applications in Python. Flask is a micro-framework that boasts a low learning curve, a large community, and the power to create complex web apps. However, Flask is easy to learn but difficult to master. Starting from a simple Flask app, this book will walk through advanced topics while providing practical examples of the lessons learned. After building a simple Flask app, a proper app structure is demonstrated by transforming the app to use a Model-View-Controller (MVC) architecture. With a scalable structure in hand, the next chapters use Flask extensions to provide extra functionality to the app, including user login and registration, NoSQL querying, a REST API, an admin interface, and more. Next, you'll discover how to use unit testing to take the guesswork away from making sure the code is performing as it should. The book closes with a discussion of the different platforms that are available to deploy a Flask app on, the pros and cons of each one, and how to deploy on each one. Style and approach With plenty of useful examples, this guide introduces new concepts and then shows you how those concepts can be used in a real-world environment. Most sections are based around a single example app that is developed throughout the book.

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