

Api 570 Guide Book

Corrosion Tests and Standards
Piping and Pipelines Assessment Guide
Java Database Best Practices
Jess in Action
Advanced Data Mining Techniques
Data Mining: Concepts and Techniques
The Content Analysis Guidebook
Deploying ACI
Elements of Programming Interviews in Python
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God's Crucible: Islam and the Making of Europe, 570-1215
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OpenCL Programming by Example
Hadoop: The Definitive Guide
Engineers' Guide to Rotating Equipment
A Manual for Cleaning Women
Neurobiology of Chemical Communication
A Quick Guide to API 570 Certified Pipework Inspector Syllabus
AWS Certified Developer Official Study Guide, Associate Exam
God's Shadow: Sultan Selim, His Ottoman Empire, and the Making of the Modern World
American Petroleum Industry
A Quick Guide to API 510 Certified Pressure Vessel Inspector Syllabus

Corrosion Tests and Standards

Piping and Pipelines Assessment Guide

Transition to a Professional iOS developer with the most in-depth and advanced level guide on Swift 4 and Xcode 9
About This Book* Filled with practical examples, this comprehensive guide explores all aspects of iOS Development.* Learn powerful techniques and industry`s best practices to become pro iOS Developer.* Unlock the full potential of iOS 11 programming with Swift 4 to build rich and powerful applications* Gain detailed insights into core iOS Programming concepts such as Extensions, Performance, Animations, CoreData and lot more with examples* Extend your iOS apps to new level with ARKit and CoreML
Who This Book Is For
This book is for developers who have some experience with iOS programming, but want to take their skills to next level by unlocking the full potential of latest version of iOS with Swift to build great applications.
What You Will Learn* Build a professional iOS application from scratch* Create adaptive, complex views with Auto-Layout* Writing flexible and reusable code with Protocol Oriented programming* Ensure code quality by using proper tests.* Measure and improve performance with the Instruments app* Integrate with iOS on a deep level with several App Extensions* Implement AI, Machine Learning, Augmented Reality and more iOS 11 sweetness
In Detail
With good pay for iOS developers, a mature development environment, and Apple users spending more money on the App

store than Android users, becoming a professional iOS developer is a great move. The journey to master iOS development and the new features of iOS 11 is not straightforward, but this book will help you make that transition. Written for Swift 4 and following the latest Swift API design guidelines, you won't just learn how to program for iOS 11, you'll learn how to write great, readable, and maintainable Swift code that's in line with the industry's best-practices. The progression of this book reflects the real-world development flow. In the book, you will build real-world applications. You will find a mix of thorough background information and practical examples, so you'll know how to make use of a technique right away while you also get a great understanding of the how and why. By the end, you will be able to build iOS applications that harness advanced techniques and make the best use of the latest and greatest features available in iOS 11. Style and approach This book takes a no-frill approach and is very code-specific. The focus is on teaching advanced concepts through a series of small projects and standalone examples that help you gain expertise with various aspects of iOS application development.

Java Database Best Practices

From the two-time Pulitzer Prize-winning author, *God's Crucible* brings to life "a furiously complex age" (New York Times Book Review). Resonating as profoundly today as when it was first published to widespread critical acclaim a decade ago, *God's Crucible* is a bold portrait of Islamic Spain and the birth of modern Europe from one of our greatest historians. David Levering Lewis's narrative, filled with accounts of some of the most epic battles in world history, reveals how cosmopolitan, Muslim al-Andalus flourished—a beacon of cooperation and tolerance—while proto-Europe floundered in opposition to Islam, making virtues out of hereditary aristocracy, religious intolerance, perpetual war, and slavery. This masterful history begins with the fall of the Persian and Roman empires, followed by the rise of the prophet Muhammad and five centuries of engagement between the Muslim imperium and an emerging Europe. Essential and urgent, *God's Crucible* underscores the importance of these early, world-altering events whose influence remains as current as today's headlines.

Jess in Action

Hadoop: The Definitive Guide helps you harness the power of your data. Ideal for processing large datasets, the Apache Hadoop framework is an open source implementation of the MapReduce algorithm on which Google built its empire. This comprehensive resource demonstrates how to use Hadoop to build reliable, scalable, distributed systems: programmers will find details for analyzing large datasets, and administrators will learn how to set up and run Hadoop clusters. Complete with case studies that illustrate how Hadoop solves specific problems, this book helps you: Use the Hadoop Distributed File System (HDFS) for storing large datasets, and run distributed computations over those datasets using MapReduce Become familiar with Hadoop's data and I/O building blocks for compression, data integrity, serialization, and persistence Discover common pitfalls and advanced features for writing real-world MapReduce programs Design, build, and administer a dedicated Hadoop cluster, or run Hadoop in the cloud Use Pig, a high-level query language for large-scale data processing Take advantage of

HBase, Hadoop's database for structured and semi-structured data Learn ZooKeeper, a toolkit of coordination primitives for building distributed systems If you have lots of data -- whether it's gigabytes or petabytes -- Hadoop is the perfect solution. Hadoop: The Definitive Guide is the most thorough book available on the subject. "Now you have the opportunity to learn about Hadoop from a master-not only of the technology, but also of common sense and plain talk."-- Doug Cutting, Hadoop Founder, Yahoo!

Advanced Data Mining Techniques

“A stunning work of global history. . . . Alan Mikhail offers a bold and thoroughly convincing new way to think about the origins of the modern world. . . . A tour de force.” —Greg Grandin Long neglected in world history, the Ottoman Empire was a hub of intellectual fervor, geopolitical power, and enlightened pluralistic rule. At the height of their authority in the sixteenth century, the Ottomans, with extraordinary military dominance and unparalleled monopolies over trade routes, controlled more territory and ruled over more people than any world power, forcing Europeans out of the Mediterranean and to the New World. Yet, despite its towering influence and centrality to the rise of our modern world, the Ottoman Empire’s history has for centuries been distorted, misrepresented, and even suppressed in the West. Now Alan Mikhail presents a vitally needed recasting of Ottoman history, retelling the story of the Ottoman conquest of the world through the dramatic biography of Sultan Selim I (1470–1520). Born to a concubine, and the fourth of his sultan father’s ten sons, Selim was never meant to inherit the throne. With personal charisma and military prowess—as well as the guidance of his remarkably gifted mother, Gülbahar—Selim claimed power over the empire in 1512 and, through ruthless ambition, nearly tripled the territory under Ottoman control, building a governing structure that lasted into the twentieth century. At the same time, Selim—known by his subjects as “God’s Shadow on Earth”—fostered religious diversity, welcoming Jews among other minority populations into the empire; encouraged learning and philosophy; and penned his own verse. Drawing on previously unexamined sources from multiple languages, and with original maps and stunning illustrations, Mikhail’s game-changing account “challenges readers to recalibrate their sense of history” (Leslie Peirce), adroitly using Selim’s life to upend prevailing shibboleths about Islamic history and jingoistic “rise of the West” theories that have held sway for decades. Whether recasting Christopher Columbus’s voyages to the “Americas” as a bumbling attempt to slay Muslims or showing how the Ottomans allowed slaves to become the elite of society while Christian states at the very same time waged the horrors of the transatlantic slave trade, God’s Shadow radically reshapes our understanding of the importance of Selim’s Ottoman Empire in the history of the modern world.

Data Mining: Concepts and Techniques

This book provides a concise and useful source of up-to-date essential information for the student or practising engineer.

The Content Analysis Guidebook

This book follows an example-driven, simplified, and practical approach to using OpenCL for general purpose GPU programming. If you are a beginner in parallel programming and would like to quickly accelerate your algorithms using OpenCL, this book is perfect for you! You will find the diverse topics and case studies in this book interesting and informative. You will only require a good knowledge of C programming for this book, and an understanding of parallel implementations will be useful, but not necessary.

Deploying ACI

The API Individual Certification Programs (ICPs) are well established worldwide in the oil, gas, and petroleum industries. This Quick Guide is unique in providing simple, accessible and well-structured guidance for anyone studying the API 570 Certified Pipework Inspector syllabus by: Summarising and helping them through the syllabus Providing multiple example questions and worked answers Technical standards covered include the full API 'body of knowledge' for the examination, i.e. API570 Piping inspection code; API RP 571 Damage mechanisms affecting fixed equipment in the refining industry; API RP 574 Inspection practices for piping system components; API RP 577 Welding and metallurgy; API RP 578 Material verification program for new and existing alloy piping systems; ASME V Non-destructive examination; ASME IX Welding qualifications; ASME B16.5 Pipe flanges and flanged fittings; and ASME B 31.3 Process piping. Provides simple, accessible and well-structured guidance for anyone studying the API 570 Certified Pipework Inspector syllabus Summarizes the syllabus and provides the user with multiple example questions and worked answers Technical standards covered include the full API 'body of knowledge' for the examination

Elements of Programming Interviews in Python

The majority of the cost-savings for any oil production facility is the prevention of failure in the production equipment such as pressure vessels. Money lost through lost production far outweighs expenses associated with maintenance and proper operation. However, many new engineers lack the necessary skills to effectively find and troubleshoot operating problems while experienced engineers lack knowledge of the latest codes and standards. The fifth book in the Field Manual Series, the Pressure Vessel Operations Field Manual provides new and experienced engineers with the latest tools to alter, repair and re-rate pressure vessels using ASME, NBIC and API 510 codes and standards. Step-by-step procedure on how to design, perform in-shop and in-field inspections and repairs, perform alterations and re-rate a pressure vessel How to select the appropriate vessel specifications, evaluate associated reports and determine allowable stresses Calculations for stresses in pressure vessels Select the appropriate materials of construction for a pressure vessel Design pressure vessels using the ASME Code Section VIII, Division 1 and 2 to best fit the circumstance

Seeing Science

The substantial burden of death and disability that results from interpersonal violence, road traffic injuries, unintentional injuries, occupational health risks, air

pollution, climate change, and inadequate water and sanitation falls disproportionately on low- and middle-income countries. Injury Prevention and Environmental Health addresses the risk factors and presents updated data on the burden, as well as economic analyses of platforms and packages for delivering cost-effective and feasible interventions in these settings. The volume's contributors demonstrate that implementation of a range of prevention strategies-presented in an essential package of interventions and policies-could achieve a convergence in death and disability rates that would avert more than 7.5 million deaths a year.

God's Crucible: Islam and the Making of Europe, 570-1215

Since the publication of the Institute of Medicine (IOM) report *Clinical Practice Guidelines We Can Trust* in 2011, there has been an increasing emphasis on assuring that clinical practice guidelines are trustworthy, developed in a transparent fashion, and based on a systematic review of the available research evidence. To align with the IOM recommendations and to meet the new requirements for inclusion of a guideline in the National Guidelines Clearinghouse of the Agency for Healthcare Research and Quality (AHRQ), American Psychiatric Association (APA) has adopted a new process for practice guideline development. Under this new process APA's practice guidelines also seek to provide better clinical utility and usability. Rather than a broad overview of treatment for a disorder, new practice guidelines focus on a set of discrete clinical questions of relevance to an overarching subject area. A systematic review of evidence is conducted to address these clinical questions and involves a detailed assessment of individual studies. The quality of the overall body of evidence is also rated and is summarized in the practice guideline. With the new process, recommendations are determined by weighing potential benefits and harms of an intervention in a specific clinical context. Clear, concise, and actionable recommendation statements help clinicians to incorporate recommendations into clinical practice, with the goal of improving quality of care. The new practice guideline format is also designed to be more user friendly by dividing information into modules on specific clinical questions. Each module has a consistent organization, which will assist users in finding clinically useful and relevant information quickly and easily. This new edition of the practice guidelines on psychiatric evaluation for adults is the first set of the APA's guidelines developed under the new guideline development process. These guidelines address the following nine topics, in the context of an initial psychiatric evaluation: review of psychiatric symptoms, trauma history, and treatment history; substance use assessment; assessment of suicide risk; assessment for risk of aggressive behaviors; assessment of cultural factors; assessment of medical health; quantitative assessment; involvement of the patient in treatment decision making; and documentation of the psychiatric evaluation. Each guideline recommends or suggests topics to include during an initial psychiatric evaluation. Findings from an expert opinion survey have also been taken into consideration in making recommendations or suggestions. In addition to reviewing the available evidence on psychiatry evaluation, each guideline also provides guidance to clinicians on implementing these recommendations to enhance patient care.

A Quick Guide to API 570 Certified Pipework Inspector Syllabus

Horses of the World is a comprehensive, large-format overview of 570 breeds of domestic and extant wild horses, including hybrids between the two and between domestic breeds and other equids, such as zebras. This beautifully illustrated and detailed guide covers the origins of modern horses, anatomy and physiology, variation in breeds, and modern equestrian practices. The treatment of breeds is organized by country within broader geographical regions--from Eurasia through Australasia and to the Americas. Each account provides measurements (weight and height), distribution, origins and history, character and attributes, uses, and current status. Every breed is accompanied by superb color drawings--600 in total--and color photographs can be found throughout the book.--AMAZON.

Java 2: The Complete Reference, Fifth Edition

The API Individual Certification Programs (ICP) are well established in the oil/gas/petroleum industries. API runs multiple examination sites around the world at 6-monthly intervals. The three main ICPs are: API 570: Certified pipework inspector; API 510: Certified pressure vessel inspector; API 653: Certified storage tank inspector. Reviews one of API's three main ICPs: API 653: Certified storage tank inspector Discusses key definitions and scope, inspection regimes and testing techniques relating to tank design, linings, welds, protection systems, repair and alteration API Individual Certification Programs (ICP) are well established in the oil/gas/petroleum industries

The Unconditional in Human Knowledge

Learn about cryptography and cryptocurrencies, so you can build highly secure, decentralized applications and conduct trusted in-app transactions. Key Features Get to grips with the underlying technical principles and implementations of blockchain Build powerful applications using Ethereum to secure transactions and create smart contracts Explore cryptography, mine cryptocurrencies, and solve scalability issues with this comprehensive guide Book Description A blockchain is a distributed ledger that is replicated across multiple nodes and enables immutable, transparent and cryptographically secure record-keeping of transactions. The blockchain technology is the backbone of cryptocurrencies, and it has applications in finance, government, media and almost all other industries. Mastering Blockchain, Second Edition has been thoroughly updated and revised to provide a detailed description of this leading technology and its implementation in the real world. This book begins with the technical foundations of blockchain technology, teaching you the fundamentals of distributed systems, cryptography and how it keeps data secure. You will learn about the mechanisms behind cryptocurrencies and how to develop applications using Ethereum, a decentralized virtual machine. You will also explore different other blockchain solutions and get an introduction to business blockchain frameworks under Hyperledger, a collaborative effort for the advancement of blockchain technologies hosted by the Linux Foundation. You will also be shown how to implement blockchain solutions beyond currencies, Internet of Things with blockchain, blockchain scalability, and the future scope of this fascinating and powerful technology. What you will learn Master the theoretical and technical foundations of the blockchain technology Understand the concept of decentralization, its impact, and its relationship with blockchain technology Master how cryptography is used to secure data - with practical examples Grasp the inner

workings of blockchain and the mechanisms behind bitcoin and alternative cryptocurrencies Understand the theoretical foundations of smart contracts Learn how Ethereum blockchain works and how to develop decentralized applications using Solidity and relevant development frameworks Identify and examine applications of the blockchain technology - beyond currencies Investigate alternative blockchain solutions including Hyperledger, Corda, and many more Explore research topics and the future scope of blockchain technology Who this book is for This book will appeal to those who wish to build fast, highly secure, transactional applications. It targets people who are familiar with the concept of blockchain and are comfortable with a programming language.

Pressure Vessels Field Manual

This book covers the fundamental concepts of data mining, to demonstrate the potential of gathering large sets of data, and analyzing these data sets to gain useful business understanding. The book is organized in three parts. Part I introduces concepts. Part II describes and demonstrates basic data mining algorithms. It also contains chapters on a number of different techniques often used in data mining. Part III focuses on business applications of data mining.

IMechE Engineers' Databook

In this original and incisive study, the author investigates the relationship between Islamic law, States practices and International terrorism.

Mastering Blockchain

Data Mining: Concepts and Techniques provides the concepts and techniques in processing gathered data or information, which will be used in various applications. Specifically, it explains data mining and the tools used in discovering knowledge from the collected data. This book is referred as the knowledge discovery from data (KDD). It focuses on the feasibility, usefulness, effectiveness, and scalability of techniques of large data sets. After describing data mining, this edition explains the methods of knowing, preprocessing, processing, and warehousing data. It then presents information about data warehouses, online analytical processing (OLAP), and data cube technology. Then, the methods involved in mining frequent patterns, associations, and correlations for large data sets are described. The book details the methods for data classification and introduces the concepts and methods for data clustering. The remaining chapters discuss the outlier detection and the trends, applications, and research frontiers in data mining. This book is intended for Computer Science students, application developers, business professionals, and researchers who seek information on data mining. Presents dozens of algorithms and implementation examples, all in pseudo-code and suitable for use in real-world, large-scale data mining projects Addresses advanced topics such as mining object-relational databases, spatial databases, multimedia databases, time-series databases, text databases, the World Wide Web, and applications in several fields Provides a comprehensive, practical look at the concepts and techniques you need to get the most out of your data

The American Psychiatric Association Practice Guidelines for the Psychiatric Evaluation of Adults, Third Edition

Whether it's called "fixed equipment (at ExxonMobil), "stationary equipment (at Shell), or "static equipment (in Europe), this type of equipment is the bread and butter of any process plant. Used in the petrochemical industry, pharmaceutical industry, food processing industry, paper industry, and the manufacturing process industries, stationary equipment must be kept operational and reliable for companies to maintain production and for employees to be safe from accidents. This series, the most comprehensive of its kind, uses real-life examples and time-tested rules of thumb to guide the mechanical engineer through issues of reliability and fitness-for-service. This volume on piping and pipeline assessment is the only handbook that the mechanical or pipeline engineer needs to assess pipes and pipelines for reliability and fitness-for-service. * Provides essential insight to make informed decisions on when to run, alter, repair, monitor, or replace equipment * How to perform these type of assessments and calculations on pipelines is a 'hot' issue in the petrochemical industry at this time * There is very little information on the market right now for pipers and pipeliners with regard to pipe and pipeline fitness-for-service

A Quick Guide to API 653 Certified Storage Tank Inspector Syllabus

Foreword by Werner Vogels, Vice President and Corporate Technology Officer, Amazon The AWS exam has been updated. Your study guide should be, too. The AWS Certified Developer Official Study Guide-Associate Exam is your ultimate preparation resource for the latest exam! Covering all exam objectives, this invaluable resource puts a team of AWS experts at your side with expert guidance, clear explanations, and the wisdom of experience with AWS best practices. You'll master core services and basic architecture, and equip yourself to develop, deploy, and debug cloud-based applications using AWS. The AWS Developer certification is earned by those who demonstrate the technical knowledge and skill associated with best practices for building secure, reliable cloud-based applications using AWS technology. This book is your official exam prep companion, providing everything you need to know to pass with flying colors. Study the AWS Certified Developer Exam objectives Gain expert insight on core AWS services and best practices Test your understanding of key concepts with challenging chapter questions Access online study tools including electronic flashcards, a searchable glossary, practice exams, and more Cloud computing offers businesses the opportunity to replace up-front capital infrastructure expenses with low, variable costs that scale as they grow. This customized responsiveness has negated the need for far-future infrastructure planning, putting thousands of servers at their disposal as needed—and businesses have responded, propelling AWS to the number-one spot among cloud service providers. Now these businesses need qualified AWS developers, and the AWS certification validates the exact skills and knowledge they're looking for. When you're ready to get serious about your cloud credentials, the AWS Certified Developer Official Study Guide-Associate Exam is the resource you need to pass the exam with flying colors. NOTE: As of October 7, 2019, the accompanying code for hands-on exercises in the book is available for downloading

from the secure Resources area in the online test bank. You'll find code for Chapters 1, 2, 11, and 12.

IBM TS4500 R7 Tape Library Guide

Science is really beautiful. With original illustrations that deftly explain the strange-but-true world of science, Seeing Science offers a curated ride through the great mysteries of the universe. Artist and lay scientist Iris Gottlieb explains among other things: neap tides, naked mole rats, whale falls, the human heart, the Uncertainty Principle, the ten dimensions of string theory, and how glaciers are like Snickers bars. With quirky visual metaphors and concise factual explanations, she offers just the right amount of information to stoke the curious mind with a desire to know more about the life forces that animate both the smallest cell and the biggest black hole. Seeing Science illustrates, explicates, and celebrates the marvels of science as only art can.

IBM Tape Library Guide for Open Systems

Discusses rule-based system development in Java, introducing rule programming concepts, the Jess language, and application development.

Ecology of the Planted Aquarium

This handy reference source, is a companion volume to the author's Engineers' Guide to Pressure Equipment. Heavily illustrated, and containing a wealth of useful data, it offers inspectors, engineers, operatives, and those maintaining engineering equipment a one stop everyday package of information. It will be particularly helpful in guiding users through the legislation that regulates this field. Legislation has very important implications for works inspection and in-service inspection of mechanical plant. An Engineers' Guide to Rotating Equipment is packed with information, technical data, figures, tables and checklists. Details of relevant technical standards, the legislation and Accepted Codes of Practice (AcoPs) published by various bodies such as HSE and SAFed, are provided in addition to a number of website addresses and contact details. COMPLETE CONTENTS: Engineering fundamentals Bending, torsion, and stress Motion and dynamics Rotating machine fundamentals: Vibration, balancing, and noise Machine elements Fluid mechanics Centrifugal pumps Compressors and turbocompressors Prime movers Draught plant Basic mechanical design Materials of construction The machinery directives Organisations and associations.

Programming Robots with ROS

The IBM® TS4500 (TS4500) tape library is a next-generation tape solution that offers higher storage density and better integrated management than previous solutions. This IBM Redbooks® publication gives you a close-up view of the new IBM TS4500 tape library. In the TS4500, IBM delivers the density that today's and tomorrow's data growth requires. It has the cost-effectiveness and the manageability to grow with business data needs, while you preserve investments in IBM tape library products. Now, you can achieve a low cost per terabyte (TB) and

a high TB density per square foot because the TS4500 can store up to 11 petabytes (PB) of uncompressed data in a single frame library or scale up to 2 PB per square foot to over 350 PB. The TS4500 offers the following benefits: High availability: Dual active accessors with integrated service bays reduce inactive service space by 40%. The Elastic Capacity option can be used to eliminate inactive service space. Flexibility to grow: The TS4500 library can grow from the right side and the left side of the first L frame because models can be placed in any active position. Increased capacity: The TS4500 can grow from a single L frame up to another 17 expansion frames with a capacity of over 23,000 cartridges. High-density (HD) generation 1 frames from the TS3500 library can be redeployed in a TS4500. Capacity on demand (CoD): CoD is supported through entry-level, intermediate, and base-capacity configurations. Advanced Library Management System (ALMS): ALMS supports dynamic storage management, which enables users to create and change logical libraries and configure any drive for any logical library. Support for IBM TS1160 while also supporting TS1155, TS1150, and TS1140 tape drive: The TS1160 gives organizations an easy way to deliver fast access to data, improve security, and provide long-term retention, all at a lower cost than disk solutions. The TS1160 offers high-performance, flexible data storage with support for data encryption. Also, this enhanced fifth-generation drive can help protect investments in tape automation by offering compatibility with existing automation. The TS1160 Tape Drive Model 60E delivers a dual 10 Gb or 25 Gb Ethernet host attachment interface that is optimized for cloud-based and hyperscale environments. The TS1160 Tape Drive Model 60F delivers a native data rate of 400 MBps, the same load/ready, locate speeds, and access times as the TS1155, and includes dual-port 16 Gb Fibre Channel support. Support of the IBM Linear Tape-Open (LTO) Ultrium 8 tape drive: The LTO Ultrium 8 offering represents significant improvements in capacity, performance, and reliability over the previous generation, LTO Ultrium 7, while still protecting your investment in the previous technology. Support of LTO 8 Type M cartridge (m8): The LTO Program introduced a new capability with LTO-8 drives. The ability of the LTO-8 drive to write 9 TB on a brand new LTO-7 cartridge instead of 6 TB as specified by the LTO-7 format. Such a cartridge is called an LTO-7 initialized LTO-8 Type M cartridge. Integrated TS7700 back-end Fibre Channel (FC) switches are available. Up to four library-managed encryption (LME) key paths per logical library are available. This book describes the TS4500 components, feature codes, specifications, supported tape drives, encryption, new integrated management console (IMC), command-line interface (CLI), and REST over SCSI (RoS) to obtain status information about library components. October 2020 - Added support for the 3592 model 60S tape drive that provides a dual-port 12 Gb SAS (Serial Attached SCSI) interface for host attachment.

Horses of the World

Complete, trusted preparation for the Java Programmer II exam OCP: Oracle Certified Professional Java SE 8 Programmer II Study Guide is your comprehensive companion for preparing for Exam 1Z0-809 as well as upgrade Exam 1Z0-810 and Exam 1Z0-813. With full coverage of 100% of exam objectives, this invaluable guide reinforces what you know, teaches you what you don't know, and gives you the hands-on practice you need to boost your skills. Written by expert Java developers, this book goes beyond mere exam prep with the insight, explanations

and perspectives that come from years of experience. You'll review the basics of object-oriented programming, understand functional programming, apply your knowledge to database work, and much more. From the basic to the advanced, this guide walks you through everything you need to know to confidently take the OCP 1Z0-809 Exam and upgrade exams 1Z0-810 and 1Z0-813. Java 8 represents the biggest changes to the language to date, and the latest exam now requires that you demonstrate functional programming competence in order to pass. This guide has you covered, with clear explanations and expert advice. Understand abstract classes, interfaces, and class design Learn object-oriented design principles and patterns Delve into functional programming, advanced strings, and localization Master IO, NIO, and JDBC with expert-led database practice If you're ready to take the next step in your IT career, OCP: Oracle Certified Professional Java SE 8 Programmer II Study Guide is your ideal companion on the road to certification.

OCP: Oracle Certified Professional Java SE 8 Programmer II Study Guide

Use ACI fabrics to drive unprecedented value from your data center environment With the Cisco Application Centric Infrastructure (ACI) software-defined networking platform, you can achieve dramatic improvements in data center performance, redundancy, security, visibility, efficiency, and agility. In Deploying ACI, three leading Cisco experts introduce this breakthrough platform, and walk network professionals through all facets of design, deployment, and operation. The authors demonstrate how ACI changes data center networking, security, and management; and offer multiple field-proven configurations. Deploying ACI is organized to follow the key decision points associated with implementing data center network fabrics. After a practical introduction to ACI concepts and design, the authors show how to bring your fabric online, integrate virtualization and external connections, and efficiently manage your ACI network. You'll master new techniques for improving visibility, control, and availability; managing multitenancy; and seamlessly inserting service devices into application data flows. The authors conclude with expert advice for troubleshooting and automation, helping you deliver data center services with unprecedented efficiency. Understand the problems ACI solves, and how it solves them Design your ACI fabric, build it, and interface with devices to bring it to life Integrate virtualization technologies with your ACI fabric Perform networking within an ACI fabric (and understand how ACI changes data center networking) Connect external networks and devices at Layer 2/Layer 3 levels Coherently manage unified ACI networks with tenants and application policies Migrate to granular policies based on applications and their functions Establish multitenancy, and evolve networking, security, and services to support it Integrate L4-7 services: device types, design scenarios, and implementation Use multisite designs to meet rigorous requirements for redundancy and business continuity Troubleshoot and monitor ACI fabrics Improve operational efficiency through automation and programmability

Islamic State Practices, International Law and the Threat from Terrorism

Want to develop novel robot applications, but don't know how to write a mapping

or object-recognition system? You're not alone, but you're certainly not without help. By combining real-world examples with valuable knowledge from the Robot Operating System (ROS) community, this practical book provides a set of motivating recipes for solving specific robotics use cases. Ideal for enthusiasts, from students in robotics clubs to professional robotics scientists and engineers, each recipe describes a complete solution using ROS open source libraries and tools. You'll learn how to complete tasks described in the recipes, as well as how to configure and recombine components for other tasks. If you're familiar with Python, you're ready to go. Learn fundamentals, including key ROS concepts, tools, and patterns Program robots that perform an increasingly complex set of behaviors, using the powerful packages in ROS See how to easily add perception and navigation abilities to your robots Integrate your own sensors, actuators, software libraries, and even a whole robot into the ROS ecosystem Learn tips and tricks for using ROS tools and community resources, debugging robot behavior, and using C++ in ROS

Mastering IOS 11 Programming - Second Edition

The Essential Guide to Getting Your Book Published

Content analysis is one of the most important but complex research methodologies in the social sciences. In this thoroughly updated Second Edition of The Content Analysis Guidebook, author Kimberly Neuendorf draws on examples from across numerous disciplines to clarify the complicated aspects of content analysis through step-by-step instruction and practical advice. Throughout the book, the author also describes a wide range of innovative content analysis projects from both academia and commercial research that provide readers with a deeper understanding of the research process and its many real-world applications.

Disease Control Priorities, Third Edition (Volume 7)

A Reese Witherspoon x Hello Sunshine Book Club YA Pick "A Cuban Girl's Guide to Tea and Tomorrow is an absolute delight. Cozier than a hand-knit gray cardigan and richer than Abuela's pastelito recipe, Namey takes you from Miami to Winchester, and leaves your heart belonging to both." —Rachael Lippincott, #1 New York Times bestselling author of Five Feet Apart Love & Gelato meets Don't Date Rosa Santos in this charming, heartfelt story following a Miami girl who unexpectedly finds love—and herself—in a small English town. For Lila Reyes, a summer in England was never part of the plan. The plan was 1) take over her abuela's role as head baker at their panadería, 2) move in with her best friend after graduation, and 3) live happily ever after with her boyfriend. But then the Trifecta happened, and everything—including Lila herself—fell apart. Worried about Lila's mental health, her parents make a new plan for her: Spend three months with family friends in Winchester, England, to relax and reset. But with the lack of sun, a grumpy inn cook, and a small town lacking Miami flavor (both in food and otherwise), what would be a dream trip for some feels more like a nightmare to Lila...until she meets Orion Maxwell. A teashop clerk with troubles of his own, Orion is determined to help Lila out of her funk, and appoints himself as her personal

tour guide. From Winchester's drama-filled music scene to the sweeping English countryside, it isn't long before Lila is not only charmed by Orion, but England itself. Soon a new future is beginning to form in Lila's mind—one that would mean leaving everything she ever planned behind.

A Cuban Girl's Guide to Tea and Tomorrow

Now updated for 2015! The best, most comprehensive guide for writers is now revised and updated, with new sections on ebooks, self-publishing, crowd-funding through Kickstarter, blogging, increasing visibility via online marketing, micropublishing, the power of social media and author websites, and more—making *The Essential Guide to Getting Your Book Published* more vital than ever for anyone who wants to mine that great idea and turn it into a successfully published book. Written by experts with twenty-five books between them as well as many years' experience as a literary agent (Eckstut) and a book doctor (Sterry), this nuts-and-bolts guide demystifies every step of the publishing process: how to come up with a blockbuster title, create a selling proposal, find the right agent, understand a book contract, and develop marketing and publicity savvy. Includes interviews with hundreds of publishing insiders and authors, including Seth Godin, Neil Gaiman, Amy Bloom, Margaret Atwood, Leonard Lopate, plus agents, editors, and booksellers; sidebars featuring real-life publishing success stories; sample proposals, query letters, and an entirely updated resources and publishers directory.

OpenCL Programming by Example

This book is the most complete and up-to-date resource on Java from programming guru, Herb Schildt -- a must-have desk reference for every Java programmer.

Hadoop: The Definitive Guide

This IBM® Redbooks® publication presents a general introduction to the latest (current) IBM tape and tape library technologies. Featured tape technologies include the IBM LTO Ultrium and Enterprise 3592 tape drives, and their implementation in IBM tape libraries. This 17th edition includes information about the latest TS4300 Ultrium tape library, TS1155 Enterprise tape drive, and the IBM Linear Tape-Open (LTO) Ultrium 8 tape drive, along with technical information about each IBM tape product for open systems. It includes generalized sections about Small Computer System Interface (SCSI) and Fibre Channel connections, and multipath architecture configurations. This book also covers tools and techniques for library management. It is intended for anyone who wants to understand more about IBM tape products and their implementation. It is suitable for IBM clients, IBM Business Partners, IBM specialist sales representatives, and technical specialists. If you do not have a background in computer tape storage products, you might need to read other sources of information. In the interest of being concise, topics that are generally understood are not covered in detail.

Engineers' Guide to Rotating Equipment

A Manual for Cleaning Women

When creating complex Java enterprise applications, do you spend a lot of time thumbing through a myriad of books and other resources searching for what you hope will be the API that's right for the project at hand? Java Database Best Practices rescues you from having to wade through books on each of the various APIs before figuring out which method to use! This comprehensive guide introduces each of the dominant APIs (Enterprise JavaBeans, Java Data Objects, the Java Database Connectivity API (JDBC) as well as other, lesser-known options), explores the methodology and design components that use those APIs, and then offers practices most appropriate for different types and makes of databases, as well as different types of applications. Java Database Practices also examines database design, from table and database architecture to normalization, and offers a number of best practices for handling these tasks as well. Learn how to move through the various forms of normalization, understand when to denormalize, and even get detailed instructions on optimizing your SQL queries to make the best use of your database structure. Through it all, this book focuses on practical application of these techniques, giving you information that can immediately be applied to your own enterprise projects. Enterprise applications in today's world are about data-- whether it be information about a product to buy, a user's credit card information, or the color that a customer prefers for their auto purchases. And just as data has grown in importance, the task of accessing that data has grown in complexity. Until now, you have been left on your own to determine which model best suits your application, and how best to use your chosen API. Java Database Practices is the one stop reference book to help you determine what's appropriate for your specific project at hand. Whether it's choosing between an alphabet soup of APIs and technologies--EJB, JDO, JDBC, SQL, RDBMS, OODBMS, and more on the horizon, this book is an indispensable resource you can't do without.

Neurobiology of Chemical Communication

The API Individual Certification Programs (ICPs) are well established worldwide in the oil, gas, and petroleum industries. This Quick Guide is unique in providing simple, accessible and well-structured guidance for anyone studying the API 570 Certified Pipework Inspector syllabus by: Summarising and helping them through the syllabus Providing multiple example questions and worked answers Technical standards covered include the full API 'body of knowledge' for the examination, i.e. API570 Piping inspection code; API RP 571 Damage mechanisms affecting fixed equipment in the refining industry; API RP 574 Inspection practices for piping system components; API RP 577 Welding and metallurgy; API RP 578 Material verification program for new and existing alloy piping systems; ASME V Non-destructive examination; ASME IX Welding qualifications; ASME B16.5 Pipe flanges and flanged fittings; and ASME B 31.3 Process piping. Provides simple, accessible and well-structured guidance for anyone studying the API 570 Certified Pipework Inspector syllabus Summarizes the syllabus and provides the user with multiple example questions and worked answers Technical standards covered include the full API 'body of knowledge' for the examination

A Quick Guide to API 570 Certified Pipework Inspector Syllabus

The API Individual Certification Programs (ICPs) are well established worldwide in the oil, gas, and petroleum industries. This Quick Guide is unique in providing simple, accessible and well-structured guidance for anyone studying the API 510 Certified Pressure Vessel Inspector syllabus by summarizing and helping them through the syllabus and providing multiple example questions and worked answers. Technical standards are referenced from the API 'body of knowledge' for the examination, i.e. API 510 Pressure vessel inspection, alteration, rerating; API 572 Pressure vessel inspection; API RP 571 Damage mechanisms; API RP 577 Welding; ASME VIII Vessel design; ASME V NDE; and ASME IX Welding qualifications. Provides simple, accessible and well-structured guidance for anyone studying the API 510 Certified Pressure Vessel Inspector syllabus Summarizes the syllabus and provides the user with multiple example questions and worked answers Technical standards are referenced from the API 'body of knowledge' for the examination

AWS Certified Developer Official Study Guide, Associate Exam

Intraspecific communication involves the activation of chemoreceptors and subsequent activation of different central areas that coordinate the responses of the entire organism—ranging from behavioral modification to modulation of hormones release. Animals emit intraspecific chemical signals, often referred to as pheromones, to advertise their presence to members of the same species and to regulate interactions aimed at establishing and regulating social and reproductive bonds. In the last two decades, scientists have developed a greater understanding of the neural processing of these chemical signals. Neurobiology of Chemical Communication explores the role of the chemical senses in mediating intraspecific communication. Providing an up-to-date outline of the most recent advances in the field, it presents data from laboratory and wild species, ranging from invertebrates to vertebrates, from insects to humans. The book examines the structure, anatomy, electrophysiology, and molecular biology of pheromones. It discusses how chemical signals work on different mammalian and non-mammalian species and includes chapters on insects, *Drosophila*, honey bees, amphibians, mice, tigers, and cattle. It also explores the controversial topic of human pheromones. An essential reference for students and researchers in the field of pheromones, this is also an ideal resource for those working on behavioral phenotyping of animal models and persons interested in the biology/ecology of wild and domestic species.

God's Shadow: Sultan Selim, His Ottoman Empire, and the Making of the Modern World

"I have always had faith that the best writers will rise to the top, like cream, sooner or later, and will become exactly as well-known as they should be—their work talked about, quoted, taught, performed, filmed, set to music, anthologized. Perhaps, with the present collection, Lucia Berlin will begin to gain the attention she deserves."

-Lydia Davis A MANUAL FOR CLEANING WOMEN compiles the best work of the legendary short-story writer Lucia Berlin. With the grit of Raymond Carver, the humor of Grace Paley, and a blend of wit and melancholy all her own, Berlin crafts miracles from the everyday, uncovering moments of grace in the Laundromats and halfway houses of the American Southwest, in the homes of the Bay Area upper class, among switchboard operators and struggling mothers, hitchhikers and bad

Christians. Readers will revel in this remarkable collection from a master of the form and wonder how they'd ever overlooked her in the first place.

American Petroleum Industry

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 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

A Quick Guide to API 510 Certified Pressure Vessel Inspector Syllabus

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