Api 582

Java Network Programming, Third Edition, brings
you up-to-date with the latest features of Java's
network APIS. This book discusses all the changes
and additions to networking in JDK 1.4 and 1.5 (now
christened J2SE 5). It covers everything from
networking fundamentals to remote method
invocation (RMI), including chapters on TCP and
UDP sockets, server sockets, URLs and URIs,
multicasting, and special-purpose APIS such as
JavaMail. This book shows you how to use JSSE to
write secure networking applications and explains
how to use the NIO APIs to write ultra high-
performance servers. And it covers Java's support
for network proxies, web cookies, and URL caching.
Java Network Programming doesn't just explain the
APIS: it shows you how to put them to work. This
book is full of examples; it contains thousands of
lines of working code (all of which are available
online), implementing fully functional network clients
and servers. Whether you want to write a special-
purpose web server, a secure online order taker, a
simple multicast agent, or even an email client, you'll
find code that you can learn from and borrow.
Whether you're an experienced network developer, a
new Java programmer, or someone who just wants
to see what's possible, you'll find that Java Network
Programming, Third Edition is an important part of

your library. Once you've started using the Java Networking APIs, the possibilities are only limited by your imagination.

Learn C++ with the best tutorial on the market! Horton's unique tutorial approach and step-by-step guidance have helped over 100,000 novice programmers learn C++. In Ivor Horton's Beginning Visual C++ 2013, Horton not only guides you through the fundamentals of the standard C++ language, but also teaches you how C++ is used in the latest Visual Studio 2013 environment. Visual Studio 2013 includes major changes to the IDE and expanded options for C++ coding. Ivor Horton's Beginning Visual C++ 2013 will teach you the latest techniques to take your Visual C++ coding to an all-new level. C++ language and library changes supported under Visual Studio 2013 IDE-specific changes for code formatting and debugging Changes to the C++ Standard Language for both C++ 11 and the new C++ 14 And more Horton introduces you to both Standard C++ and Visual C++ so you can build any component your app requires. Ivor Horton's Beginning Visual C++ 2013 is an indispensable guidebook for any new programmer, and contains plenty of exercises and solutions to help programmers of any level master the important concepts quickly and easily.

C# in a Nutshell"O'Reilly Media, Inc."

Inequality in Education: Comparative and

International Perspectives is a compilation of conceptual chapters and national case studies that includes a series of methods for measuring education inequalities. The book provides up-to-date scholarly research on global trends in the distribution of formal schooling in national populations. It also offers a strategic comparative and international education policy statement on recent shifts in education inequality, and new approaches to explore, develop and improve comparative education and policy research globally. Contributing authors examine how education as a process interacts with government finance policy to form patterns of access to education services. In addition to case perspectives from 18 countries across six geographic regions, the volume includes six conceptual chapters on topics that influence education inequality, such as gender, disability, language and economics, and a summary chapter that presents new evidence on the pernicious consequences of inequality in the distribution of education. The book offers (1) a better and more holistic understanding of ways to measure education inequalities; and (2) strategies for facing the challenge of inequality in education in the processes of policy formation, planning and implementation at the local, regional, national and global levels. Offers a reference to key C# programming concepts covering language elements, syntax, datatypes, and

tasks.

Explains the features and complexities of Visual Basic 6, including object-oriented programming, database programming, Internet programming, and creating ActiveX controls

As XML gains popularity, developers are looking to implement XML technologies in their line-of-business applications This book offers readers real-world insight into XML so that they can build the best possible applications Offers an in-depth look at XML and discusses XML tools, services (RSS, SOAP, REST, WSDL), programming (DOM, SAX, Ajax), and languages (.NET, Java, PHP)

The book is a guide for Layers of Protection Analysis (LOPA)practitioners. It explains the onion skin modeland in particular, how it relates to the use of LOPA and the needfor non-safety instrumented independent protection layers. Itprovides specific guidance on Independent Protection Layers (IPLs)that are not Safety Instrumented Systems (SIS). Using theLOPA methodology, companies typically take credit for riskreductions accomplished through non-SIS alternatives; i.e.administrative procedures, equipment design, etc. Itaddresses issues such as how to ensure the effectiveness andmaintain reliability for administrative controls or"inherently safer, passive" concepts. This book will address how the fields of Human ReliabilityAnalysis, Fault Tree Analysis, Inherent

Safety, Audits andAssessments, Maintenance, and Emergency Response relate to LOPA andSIS. The book will separate IPL's into categories such as thefollowing: Inherent Safety eliminates a scenario or fundamentally reduces a hazard Preventive/Proactive prevents initiating event from occurring such as enhancedmaintenance Preventive/Active stops chain of events after initiating event occurs but beforean incident has occurred such as high level in a tank shutting offthe pump. Mitigation (active or passive) minimizes impact once an incident has occurred such as closingblock valves once LEL is detected in the dike (active) or the dikepreventing contamination of groundwater (passive).

Pro Android 4 shows you how to build real-world and fun mobile apps using the new Android SDK 4 (Ice Cream Sandwich), which unifies Gingerbread for smartphones, Honeycomb for tablets and augments further with Google TV and more. This Android 4 book updates the best selling Pro Android 3 and covers everything from the fundamentals of building apps for embedded devices, smartphones, and tablets to advanced concepts such as custom 3D components, multi-tasking, sensors/augmented reality, better accessories support and much more. Using the tutorials and expert advice, you'll quickly be able to build cool mobile apps and run them on dozens of Android-based smartphones. You'll explore and use the Android APIs, including those for media and sensors. And you'll check out what's new with Android 4, including the improved user interface across all Android platforms, integration with services, and more. After

reading this definitive tutorial and reference, you gain the knowledge and experience to create stunning, cutting-edge Android 4 apps that can make you money, while keeping you agile enough to respond to changes in the future.
Pro Drupal 7 Development updates the most popular development reference for the release of Drupal 7. With several new and completely-rewritten essential APIs and improvements in Drupal 7, this book will not only teach developers how to write modules ranging from simple to complex, but also how Drupal itself works. Learn the Drupal APIs and major changes in Drupal 7 Learn how to write Drupal modules using the APIs Learn proper development practices and how to become a contributing community member
Taking a big-picture approach, Piping and Pipeline Engineering: Design, Construction, Maintenance, Integrity, and Repair elucidates the fundamental steps to any successful piping and pipeline engineering project, whether it is routine maintenance or a new multi-million dollar project. The author explores the qualitative details, calculations, and techniques that are essential in supporting competent decisions. He pairs coverage of real world practice with the underlying technical principles in materials, design, construction, inspection, testing, and maintenance. Discover the seven essential principles that will help establish a balance between production, cost, safety, and integrity of piping systems and pipelines The book includes coverage of codes and standards, design analysis, welding and inspection, corrosion mechanisms, fitness-for-service and failure analysis, and an overview of valve selection and application. It features the technical basis of piping and pipeline code design rules for normal operating conditions and occasional loads and addresses the fundamental principles of materials, design, fabrication, testing and

corrosion, and their effect on system integrity.

Unleash the power of serverless integration with Azure About This Book Build and support highly available and scalable API Apps by learning powerful Azure-based cloud integration Deploy and deliver applications that integrate seamlessly in the cloud and quickly adapt as per your integration needs Deploy hybrid applications that work and integrate on the cloud (using Logic Apps and BizTalk Server) Who This Book Is For This book is for Microsoft Enterprise developers, DevOps, and IT professionals who would like to use Azure App Service and Microsoft Cloud Integration technologies to create cloud-based web and mobile apps. What You Will Learn Explore new models of robust cloud integration in Microsoft Azure Create your own connector and learn how to publish and manage it Build reliable, scalable, and secure business workflows using Azure Logic Apps Simplify SaaS connectivity with Azure using Logic Apps Connect your on-premises system to Azure securely Get to know more about Logic Apps and how to connect to on-premises "line-of-business" applications using Microsoft BizTalk Server In Detail Microsoft is focusing heavily on Enterprise connectivity so that developers can build scalable web and mobile apps and services in the cloud. In short, Enterprise connectivity from anywhere and to any device. These integration services are being offered through powerful Azure-based services. This book will teach you how to design and implement cloud integration using Microsoft Azure. It starts by showing you how to build, deploy, and secure the API app. Next, it introduces you to Logic Apps and helps you quickly start building your integration applications. We'll then go through the different connectors available for Logic Apps to build your automated business process workflow. Further on, you will see how to create a complex workflow in Logic Apps using Azure Function. You will then add a SaaS application to your

existing cloud applications and create Queues and Topics in Service Bus on Azure using Azure Portal. Towards the end, we'll explore event hubs and IoT hubs, and you'll get to know more about how to tool and monitor the business workflow in Logic Apps. Using this book, you will be able to support your apps that connect to data anywhere—be it in the cloud or on-premises. Style and approach This practical hands-on tutorial shows you the full capability of App Service and other Azure-based integration services to build scalable and highly available web and mobile apps. It helps you successfully build and support your applications in the cloud or on-premises successfully. We'll debunk the popular myth that switching to cloud is risky—it's not!

Covers All Site Activities after Design Above Ground Storage Tanks: Practical Guide to Construction, Inspection, and Testing is an ideal guide for engineers involved in the mechanical construction of above ground storage tanks. This text details the construction of storage tanks in accordance with the American Petroleum Institute requirements for API 650, and is the first book to cover every stage subsequent to the design of storage tanks. The author focuses on the mechanical construction, inspection, and testing of storage tanks and all aspects on-site after design, and explains the relevance of code requirements. In addition, he incorporates real-world applications based on his own experience, and provides a host of practical tips, useful in avoiding repair and reworks during construction of storage tanks. Presents material compiled according to the requirements of API 650 for the construction of storage tanks Includes coverage of the practical aspects of tank farm layout, design, foundation, erection, welding, inspection and testing Explains the details of construction /welding sequences and NDT with simple sketches and tables Spells out applicable codes and specifications, and provides logical explanations of various

code requirements A reference for beginners and practitioners in the construction industry, Above Ground Storage Tanks: Practical Guide to Construction, Inspection, and Testing contains valuable information on API 650 code requirements and specifications, and the construction of above ground storage tanks.

This book emphasizes using VC++ tools and wizards to generate code. Code examples are augmented with C++ language sidebars. Readers who need a refresher on the language or want to go further "under the hood" will have a context, while those who don't can easily skip that coverage. The revision includes more information throughout on Microsoft Foundation Classes (MFC).

An invaluable tutorial on the dramatic changes to Enterprise JavaBeans (EJB) 3.0 Featuring myriad changes from its previous versions, EJB 3.0 boasts a very different programming and deployment model, with nearly every aspect of development affected. Even the most experienced EBJ and J2EE developers will need to relearn how to best use EJB to develop mission-critical applications. This author team of experts has taken their combined skills in architecture, development, consulting, and knowledge transfer to explain the various changes to EJB 3.0 as well as the rationale behind these changes. You'll learn the concepts and techniques for authoring distributed, enterprise components in Java from the ground up. Covering basic through advanced subjects, Mastering Enterprise JavaBeans 3.0 is more than 50 percent new and revised. Four new chapters and one new appendix cover the latest features of this new release, and in-depth coverage of the Java Persistence API and the entities defined therein is provided. The authors' main goal is to get you programming with EJB immediately. To that end, you'll learn: * How to implement EJB 3.0 beans, with emphasis on session beans (stateful and

stateless) and message-driven beans * Both basic and advanced concepts (such as inheritance, relationships, and so on) of Java Persistence API defined entities * How to develop and deploy EJB 3.0 Web services * How to secure EJB applications * How to integrate EJB applications with the outside world via the Java EE Connector technology * Tips and techniques for designing and deploying EJB for better performance * How clustering in large-scale EJB systems works * Best practices for EJB application design, development, and testing The companion Web site provides all the source code, updates to the source code examples, and a PDF version of the book. Wiley Technology Publishing Timely. Practical. Reliable. Visit the companion Web site at www.wiley.com/go/sriganesh

Annotation This volume of proceedings from the August 2002 conference presents developments affecting pressure vessel and piping codes and standards. The 36 papers discuss plastic analysis in pressure vessel design, environmental fatigue issues, the structural integrity of pressure components, and recent changes in Section III rules for seismic piping design. Topics include the effects of local peak stress distribution on the ratchet limit, fatigue design curves for austenitic stainless steels in light water reactor environments, new common design rules for u-tube heat exchangers, and simulation of excessive deformation of piping due to seismic and weight loads. No subject index. Annotation c. Book News, Inc., Portland, OR (booknews.com).

Gary Rosenzweig introduces the multimedia authoring platform Macromedia Director 8.5. He lays a solid foundation so that the reader can learn the software's advanced 3-D functionality. Special attention is given to Director's 3D API.

This book serves as a comprehensive resource on metals and materials selection for the petrochemical industrial sector. The petrochemical industry involves large scale investments, and to maintain profitability the plants are to be operated with minimum downtime and failure of equipment, which can also cause safety hazards. To achieve this objective proper selection of materials, corrosion control, and good engineering practices must be followed in both the design and the operation of plants. Engineers and professional of different disciplines involved in these activities are required to have some basic understanding of metallurgy and corrosion. This book is written with the objective of servings as a one-stop shop for these engineering professionals. The book first covers different metallic materials and their properties, metal forming processes, welding, and corrosion and corrosion control measures. This is followed by considerations in material selection and corrosion control in three major industrial sectors, oil & gas production, oil refinery, and fertilizers. The importance of pressure vessel codes as well as inspection and maintenance repair practices have also been highlighted. The book will be useful for technicians and entry level engineers in these industrial sectors. Additionally, the book may also be used as primary or secondary reading for graduate and professional coursework.

Jam-packed with illuminating code examples, this guide is all you need to create top-of-the-line applications for Windows 2000 Server and Professional. Starting with the basics and then moving up to more advanced topics,

you'll learn how to work with the application building blocks, from kernel, shell, and user interface services to Graphics Device Interface (GDI), memory management, and the file system.

As deepwater wells are drilled to greater depths, pipeline engineers and designers are confronted with new problems such as water depth, weather conditions, ocean currents, equipment reliability, and well accessibility. Subsea Pipeline Design, Analysis and Installation is based on the authors' 30 years of experience in offshore. The authors provide rigorous coverage of the entire spectrum of subjects in the discipline, from pipe installation and routing selection and planning to design, construction, and installation of pipelines in some of the harshest underwater environments around the world. All-inclusive, this must-have handbook covers the latest breakthroughs in subjects such as corrosion prevention, pipeline inspection, and welding, while offering an easy-to-understand guide to new design codes currently followed in the United States, United Kingdom, Norway, and other countries. Gain expert coverage of international design codes Understand how to design pipelines and risers for today's deepwater oil and gas Master critical equipment such as subsea control systems and pressure piping Safety in the process industries is critical for those who work with chemicals and hazardous substances or processes. The field of loss prevention is, and continues to be, of supreme importance to countless companies, municipalities and governments around the world, and Lees' is a detailed reference to defending against

hazards. Recognized as the standard work for chemical and process engineering safety professionals, it provides the most complete collection of information on the theory, practice, design elements, equipment, regulations and laws covering the field of process safety. An entire library of alternative books (and cross-referencing systems) would be needed to replace or improve upon it, but everything of importance to safety professionals, engineers and managers can be found in this all-encompassing three volume reference instead. The process safety encyclopedia, trusted worldwide for over 30 years Now available in print and online, to aid searchability and portability Over 3,600 print pages cover the full scope of process safety and loss prevention, compiling theory, practice, standards, legislation, case studies and lessons learned in one resource as opposed to multiple sources

Learn what a microservices architecture is, its advantages, and why you should consider using one when starting a new application. The book describes how taking a microservices approach from the start helps avoid the complexity and expense of moving to a service-oriented approach after applications reach a critical code base size or traffic load. Microservices from Day One discusses many of the decisions you face when adopting a service-oriented approach and defines a set of rules to follow for easily adopting microservices. The book provides simple guidelines and tips for dividing a problem domain into services. It also describes best practices for documenting and generating APIs and client libraries, testing applications with service

dependencies, optimizing services for client performance, and much more. Throughout the book, you will follow the development of a sample project to see how to apply the best practices described. What You Will Learn: Apply guidelines and best practices for developing projects that use microservices Define a practical microservices architecture at the beginning of a project that allows for fast development Define and build APIs based on real-world best practices Build services that easily scale by using tools available in most programming languages Test applications in a distributed environment Who This Book is For: Software engineers and web developers who have heard about microservices, and want to either move the project/applications they work on to a service-oriented environment, or want to start a new project knowing that building services helps with ease of scaling and maintainability. The book is a reference for developers who have a desire to build software in smaller, more focused and manageable chunks, but do not know how to get started.

This book constitutes the refereed proceedings of 3 workshops of the 17th International Conference on Web-Age Information Management, WAIM 2016, held in Nanchang, China, in June 2016. The three workshops were as follows: • The International Workshop on Spatiotemporal Data Management and Mining for the Web (SDMMW 2016) • The International Workshop on Semi-structured Big Data Management and Applications (SemiBDMA 2016). • The International Workshop on Mobile Web Data Analytics (MWDA2016)

An understanding of the fate and behaviour of organic chemicals, such as surfactants, in the environment is a prerequisite for the sustainable development of human health and ecosystems. As surfactants are being produced in huge amounts, it is important to have a detailed knowledge about their lifetime in the environment, their biodegradability in wastewater treatment plants and in natural waters, and their ecotoxicity. Parameters relevant for the assessment of long-term behaviour, such as interactions with hormonal systems need to be understood to avoid unexpected adverse effects to future generations of people and the environment. However, the identification and quantification of commercial surfactants in the environment is made more complicated and cumbersome because they comprise of tens to hundreds of homologues, oligomers and isomers of anionic, nonionic, cationic and amphoteric compounds. The EU-funded PRISTINE project (Priority surfactants and their toxic metabolites in wastewater effluents: An integrated study; ENV4-CT97-0494) provides the basis for the content of this title. It provides policy makers and industry with detailed information on analysis and concentrations of surfactants and their degradation products in the environment. In addition to a general introduction to surfactants, this book comprises a comprehensive variety of analytical techniques, including sample handling, for the analysis of surfactants in the aquatic environment. Readers will find all the necessary information for analyzing the different groups of surfactants, with special emphasis on transformation

products. Quality assurance is also reported on in detail. Chapters on toxicity and risk assessment are also included and give a complete perspective on the surfactants problem in the aquatic environment. · Presents the finding of EU-funded research into fate and behaviour of organic chemicals in the environment · Comprises a comprehensive variety of analytical techniques, including sample handling, for the analysis of surfactants in the aquatic environment · Provides relevant information to all groups working in the field of surfactants

Strengthen your applications by adopting Test-Driven Development (TDD), the OpenAPI Specification, Continuous Integration (CI), and container orchestration. Key Features Create production-grade JavaScript applications from scratch Build microservices and deploy them to a Docker container for scaling applications Test and deploy your code with confidence using Travis CI Book Description With the over-abundance of tools in the JavaScript ecosystem, it's easy to feel lost. Build tools, package managers, loaders, bundlers, linters, compilers, transpilers, typecheckers - how do you make sense of it all? In this book, we will build a simple API and React application from scratch. We begin by setting up our development environment using Git, yarn, Babel, and ESLint. Then, we will use Express, Elasticsearch and JSON Web Tokens (JWTs) to build a stateless API service. For the front-

end, we will use React, Redux, and Webpack. A central theme in the book is maintaining code quality. As such, we will enforce a Test-Driven Development (TDD) process using Selenium, Cucumber, Mocha, Sinon, and Istanbul. As we progress through the book, the focus will shift towards automation and infrastructure. You will learn to work with Continuous Integration (CI) servers like Jenkins, deploying services inside Docker containers, and run them on Kubernetes. By following this book, you would gain the skills needed to build robust, production-ready applications. What you will learn Practice Test-Driven Development (TDD) throughout the entire book Use Cucumber, Mocha and Selenium to write E2E, integration, unit and UI tests Build stateless APIs using Express and Elasticsearch Document your API using OpenAPI and Swagger Build and bundle front-end applications using React, Redux and Webpack Containerize services using Docker Deploying scalable microservices using Kubernetes Who this book is for If you're a JavaScript developer looking to expand your skillset and become a senior JavaScript developer by building production-ready web applications, then this book is for you.
A definitive guide to Java's most powerful features for enterprise and desktop application development.
A guide to customizing Windows 2000 explains how to build applications, create menus, implement

dialog boxes, manipulate the System Registry, and work with multithreaded multitasking

The comprehensive developer guide to the latest Android featuresand capabilities Professional Android, 4th Edition shows developers how toleverage the latest features of Android to create robust andcompelling mobile apps. This hands-on approach provides in-depthcoverage through a series of projects, each introducing a newAndroid platform feature and highlighting the techniques and bestpractices that exploit its utmost functionality. The exercisesbegin simply, and gradually build into advanced Androiddevelopment. Clear, concise examples show you how to quicklyconstruct real-world mobile applications. This book is your guide to smart, efficient, effective Androiddevelopment. Learn the best practices that get more out of Android Understand the anatomy, lifecycle, and UI metaphor of Androidapps Design for all mobile platforms, including tablets Utilize both the Android framework and Google Playservices

First Processing book on the market Processing is a nascent technology rapidly increasing in popularity Links with the creators of Processing will help sell the book

The #1 Guide to Advanced Java Programming, Fully Updated for Java 11 Core Java has long been recognized as the leading, no-nonsense tutorial and reference for experienced programmers who want to

write robust Java code for real-world applications.
Now, Core Java, Volume II—Advanced Features,
Eleventh Edition, has been updated for Java 11, with
up-to-date coverage of advanced UI and enterprise
programming, networking, security, and Java's
powerful new module system. Cay S. Horstmann
explores sophisticated new language and library
features with the depth and completeness that
readers expect from Core Java. He demonstrates
how to use these features to build professional-
quality applications, using thoroughly tested
examples that reflect modern Java style and best
practices, including modularization. Horstmann's
examples are carefully crafted for easy
understanding and maximum practical value, so you
can consistently use them to jump-start your own
code. Master advanced techniques, idioms, and best
practices for writing superior Java code Take full
advantage of modern Java I/O APIs, object
serialization, and regular expressions Efficiently
connect to network services, implement network
clients and servers, and harvest web data Query
databases and manage database connections with
the latest version of JDBC Simplify all aspects of
date and time programming with the Java Date and
Time API Write internationalized programs that
localize dates, times, numbers, text, and GUIs
Process code in three powerful ways: the scripting
API, compiler API, and annotation processing Learn

how to migrate legacy code to the Java Platform Module System Leverage the modern Java security features most valuable to application programmers Program advanced client-side user interfaces, and generate images on the server Use JNI to interoperate with native C code See Core Java, Volume I—Fundamentals, Eleventh Edition (ISBN-13: 978-0-13-516630-7), for expert coverage of fundamental Java and UI programming, including objects, generics, collections, lambda expressions, Swing design, concurrency, and functional programming. Register your book for convenient access to downloads, updates, and/or corrections as they become available. See inside book for details. A guide for experienced programmers demonstrates the core JavaScript language, offers examples of common tasks, and contains an extensive reference to JavaScript commands, objects, methods, and properties. Introduction to Using Inventor's Programming Interface There are several resources provided to help you use Inventor's Application Programming Interface (API). These resources are all part of Inventor's Software Development Kit (SDK). The various elements of the SDK and some additional external resources are described below. How do you use PowerShell to navigate the filesystem, manage files and folders, or retrieve a web page? This introduction to the PowerShell language and scripting

environment provides more than 400 task-oriented recipes to help you solve all kinds of problems. Intermediate to advanced system administrators will find more than 100 tried-and-tested scripts they can copy and use immediately. Updated for PowerShell 5.1 and Open Source PowerShell up to 7.0 and beyond, this comprehensive cookbook includes hands-on recipes for common tasks and administrative jobs that you can apply whether you're on the client or server version of Windows. You also get quick references to technologies used in conjunction with PowerShell, including regular expressions, the XPath language, format specifiers, and frequently referenced .NET, COM, and WMI classes. Learn how to use PowerShell on Windows 10 and Windows Server 2019 Tour PowerShell's core features, including the command model, object-based pipeline, and ubiquitous scripting Master fundamentals such as the interactive shell, pipeline, and object concepts Perform common tasks that involve working with files, internet-connected scripts, user interaction, and more Solve tasks in systems and enterprise management, such as working with Active Directory and the filesystem A Practical Guide to Piping and Valves for the Oil and Gas Industry covers how to select, test and maintain the right oil and gas valve. Each chapter focuses on a specific type of valve with a built-in structured table on valve selection. Covering both onshore and offshore projects, the book also gives an introduction to the most common types of corrosion in the oil and gas industry, including CO_2, H_2S, pitting, crevice, and more. A model to evaluate CO_2 corrosion rate on carbon steel piping is

introduced, along with discussions on bulk piping components, including fittings, gaskets, piping and flanges. Rounding out with chapters devoted to valve preservation to protect against harmful environments and factory acceptance testing, this book gives engineers and managers a much-needed tool to better understand today's valve technology. Presents oil and gas examples and challenges relating to valves, including many illustrations from valves in different stages of projects Helps readers understand valve materials, testing, actuation, packing and preservation, also including a new model to evaluate CO_2 corrosion rates on carbon steel piping Presents structured valve selection tables in each chapter to help readers pick the right valve for the right project

Today's industrial economy functions through the combined efforts of two principal groupings of persons: employers and employees, management and labor, bosses and workers. Their main operative relation is the wage contract, by which the employees agrees to work under the direction of the employer for monetary remuneration, on materials and with instruments which are owned by, or in the charge of, the employer or manager. In the modern capitalist system these means of production are in very great proportion owned by individuals, families, partners or incorporated companies. Although through widespread ownership of stocks, bonds or shares title to a particular company is often in the hands of tens of thousands of persons, this system is popularly called private enterprise. This is to be distinguished from ownership or control of productive

means by the state or political collectivity through socialization or nationalization of property. In the economies of most Western nations modern capitalism combines in some proportion both these system of ownership in a mixed economy.

bull; Contains the most depth and breadth of coverage of any book on SQL Server architecture, internals, and tuning bull; Will be a key reference for anyone working with SQL Server, no matter what their skill level bull; The latest book in the bestselling series of Guru's Guides from Ken Henderson

Beginning Java 8 APIs, Extensions and Libraries completes the Apress Java learning journey and is a comprehensive approach to learning the Java Swing, JavaFX, Java Scripting, JDBC and network programming APIs. This book covers the key extensions of the Java programming language such as Swing, JavaFX, network programming, and JDBC. Each topic starts with a discussion of the topic's background. A step-by-step process, with small snippets of Java code, provides easy-to-follow instructions. At the end of a topic, a complete and ready-to-run Java program is provided. This book contains over 130 images and diagrams to help you visualize and better understand the topics. More than 130 complete programs allow you to practice and quickly learn the topics. The Swing chapters discuss various aspects of working with a GUI, from the very basic concepts of developing a Swing application, to the most advanced topics, such as decorating a Swing component with a JLayer, drag-and-drop features, Synth Skinnable L&F, etc. The chapter on network programming covers

the basics of network technologies first, and then, the advanced topics of network programming, using a Java class library. It covers IPv4 and IPv6, addressing schemes, subnetting, supernetting, multicasting, TCP/IP sockets, UPD sockets, asynchronous socket I/O, etc. The chapter on JDBC provides the details of connecting and working with databases such as Oracle, SQL Server, MySQL, DB2, Java DB (Apache Derby), Sybase, Adaptive Server Anywhere, etc. It contains a complete discussion on processing a ResultSet and a RowSet. It discusses how to use the RowSetFactory, to obtain a RowSet object of a specific type. Working with Large Objects (LOBs), such as Blob, Clob, and NClob, is covered in detail with Java code examples and database scripts.

Itâe(tm)s OK to feel angry. What does being angry feel like? What does it look like? How can you help anger go away? Everyone feels angry sometimes.

Core Java® has long been recognized as the leading, no-nonsense tutorial and reference for experienced programmers who want to write robust Java code for real-world applications. Now, Core Java®, Volume I–Fundamentals, Tenth Edition, has been extensively updated to reflect the most eagerly awaited and innovative version of Java in years: Java SE 8. Rewritten and reorganized to illuminate new Java SE 8 features, idioms, and best practices, it contains hundreds of example programs–all carefully crafted for easy understanding and practical applicability. Writing for serious programmers solving real-world problems, Cay Horstmann helps you achieve a deep understanding of

the Java language and library. In this first volume of the two-volume work, Horstmann focuses on fundamental language concepts and the foundations of modern user interface programming. You'll find in-depth coverage of topics ranging from Java object-oriented programming to generics, collections, lambda expressions, Swing UI design, and the latest approaches to concurrency and functional programming. This guide will help you Leverage your existing programming knowledge to quickly master core Java syntax Understand how encapsulation, classes, and inheritance work in Java Master interfaces, inner classes, and lambda expressions for functional programming Improve program robustness with exception handling and effective debugging Write safer, more readable programs with generics and strong typing Use pre-built collections to collect multiple objects for later retrieval Master concurrent programming techniques from the ground up Build modern cross-platform GUIs with standard Swing components Deploy configurable applications and applets, and deliver them across the Internet Simplify concurrency and enhance performance with new functional techniques If you're an experienced programmer moving to Java SE 8, Core Java®, Tenth Edition, will be your reliable, practical companion–now and for many years to come. Look for the companion volume, Core Java®, Volume II–Advanced Features, Tenth Edition (ISBN-13: 978-0-13-417729-8), for coverage of Java 8 streams, input and output, XML, databases, annotations, and other advanced topics. Register your product or convenient access to

downloads, updates, and corrections as they become available. See inside the book for information.
Copyright: 71467af1413879082d62582da80b2042