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MySQL Workbench: Data Modeling & Development The Multidimensional Data Modeling Toolkit CASE Method Inside Oracle Designer/2000 Oracle High Performance Tuning for 9i and 10g Oracle BPM Suite 12c Modeling Patterns Oracle Enterprise Manager Grid Control 11g R1 Predictive Analytics Using Oracle Data Miner The Data Model Toolkit Beginning Database Design Writing Effective Use Cases The Electronic Oracle UML and Data Modeling Oracle SQL Developer 2.1 Mastering Oracle PL/SQL An Introduction to Agile Data Engineering Using Data Vault 2.0 Oracle Essentials Oracle Consultants Guide to JavaScript Extensions for Oracle Policy Modeling Oracle JDeveloper 10G Handbook Guide to ORACLE Oracle SQL Developer Data Modeler for Database Design Mastery Oracle JDeveloper 10g Cloud Native Patterns Oracle's Cooperative Development Environment Data Modeling Logical Database Design Agile Java Development with Spring, Hibernate and Eclipse Database Design PC Mag Machine Learning for Oracle Database Professionals Expert PL/SQL Practices Beginning Oracle SQL Quick Start Guide to Oracle Fusion Development Oracle Performance Tuning for 10gR2 Oracle 10g RAC Grid, Services and Clustering Oracle SQL Developer Oracle and PL/SQL Recipes Computerworld InfoWorld Dynamic Oracle Performance Analytics

This guidebook, and its companion volume which follows, provide a solid basis from which one can successfully implement relational database, multidimensional data warehouse and business intelligence (BI) technologies. The principal objective of this initial course volume is to convey a practical and common sense guide to the theory and concepts of data modeling. Using these sophisticated techniques one can create an elegant logical design of a database. Within this course we discuss not only the premier modeling theories from the best industry experts but also present the practical and real-world experience of the past 20-years of Sideris data design practitioners. The methodologies discussed are applicable to any relational database environment, including IBM DB2, the Oracle database, Microsoft SQL Server, the open-source MySQL and PostgreSQL databases as well as other RDBMS platforms. They are also applicable to other database technologies, such as object databases and legacy IMS and IDMS databases. Finally, while we use the free Oracle SQL Developer Data Modeler product as a demonstration modeling tool, one can complete the exercises of this course and apply the techniques learned using any other popular data model diagramming tool, such as IBM InfoSphere Data Architect, CA ErWin Data Modeler, Embarcadero ER/Studio and others. A summary of the objectives of this textbook are: DATA MODELING THEORY & CONCEPTS; BUILDING AN INITIAL DATA MODEL; DRAWING A MODEL USING SOFTWARE ENGINEERING TOOLS; INCREASING THE ACCURACY OF THE

MODEL; FINDING & FIXING ATTRIBUTE MISTAKES; SEMANTIC & OBJECT ORIENTED MODELING OF ENTITIES & RELATIONSHIPS; SEMANTIC & OBJECT ORIENTED MODELING OF DOMAINS & TYPES; TIME-DEPENDENCY & STATE-DEPENDENCY; CLASSIC STRUCTURES & PATTERNS; LOGICAL / PHYSICAL MODEL TRANSFORMATION; RDBMS IMPLEMENTATION OF THE PHYSICAL MODEL Expert PL/SQL Practices is a book of collected wisdom on PL/SQL programming from some of the best and the brightest in the field. Each chapter is a deep-dive into a specific problem, technology, or feature set that you'll face as a PL/SQL programmer. Each author has chosen their topic out of the strong belief that what they share can make a positive difference in the quality and scalability of code that you write. The path to mastery begins with syntax and the mechanics of writing statements to make things happen. If you've reached that point with PL/SQL, then let the authors of Expert PL/SQL Practices show you how to combine syntax and mechanics with features and techniques to really make the language sing. You'll learn to do more with less effort, to write code that scales and performs well, and to eliminate and avoid defects. These authors are passionate about PL/SQL and the power it places at your disposal. They want you to succeed, to know all that PL/SQL can offer. Let Expert PL/SQL Practices open your eyes to the full power of Oracle's world-class language for the database engine. Goes beyond the manual to cover good techniques and best practices Delivers knowledge usually gained only by hard experience Covers the functionality that distinguishes PL/SQL as a powerful and scalable programming language for deploying logic inside the database engine Write code using JDeveloper with help from this definitive guidebook from Oracle Press. Learn to leverage J2EE technology the Oracle way--without the need for lots of existing programming knowledge. Get a complete overview of JDeveloper and understand the internals of ADF Business components. Take advantage of end-to-end support for modeling, developing, debugging, optimizing, and deploying web services and Java applications. Plus, download the book's source code for easy application development. This book/CD-ROM set is a complete reference of Designer/2000, Oracle's suite of business modeling, system design, and software development tools by an author with a proven track record. The CD-ROM provides supporting software which allows readers to work actively with the book, including over four hours of ScreenCam movies that show how to use Designer/2000 for Windows 95 and Windows NT. Introduced in 2017, JavaScript Extensions allow Interview designers to completely reconfigure the end-user experience, and this book, JavaScript Extensions for Oracle Policy Modeling, shows you - the Oracle Intelligent Advisor Consultant or Developer - how to enhance and streamline user experiences by adding customizations like:- Label Extensions- Input Extensions-

Search Extensions- Options Extensions- Entity Collect Extensions- Entity Container Extensions- Relationship Extensions- Button and On Event Extensions- Interview FetchJavaScript Extensions for Oracle Policy Modeling is aimed at Interview designers, and Richard Napier explains and demonstrates the features of the JavaScript framework with 70 worked examples. These are available for download for study and further customization, with up-to-date Zip Archives (as some of the examples use external programming interfaces whose addresses may change over time). A variety of videos are available to accompany this book, along with more examples for download, from <https://intelligent-advisor.com> Grid architecture is Oracle's strategy for high-end computing and RAC is the stepping stone into this arena. This book focuses on current technology including all valid RAC features up through Oracle Database 10g Release 2, with a primary focus on deploying it in a high-end grid environment. The book discusses this technology at length which users will find beneficial when researching, implementing or monitoring a RAC environment. The author covers workshop implementation of services and the distribution of workload across instances, with threshold definitions and the new load balancing algorithms. In addition it includes detailed discussions on ASM that complements the implementation of RAC in Oracle Grid strategy. The book also includes discussions on new Oracle Clusterware, its components and its integration with RAC. Oracle 10g RAC focuses on RAC-specific topics including ASM, operating system configuration, installation and configuration of RAC and much more. Coverage includes network configuration for high availability, FAN, TAF, ONS, implementation of maximum availability architecture (MAA), EM Grid Control, AWR, ADDM and other performance-related tools. The author includes several scripts for performance tuning and implementation that the reader can use to configure a RAC environment either on a 2, 4, 8, 60 or 99 node configuration. Focuses on implementing, testing and tuning features of Real Application Clusters (RAC) database version 10g Release 2 Provides extensive coverage of usage, day-to-day functions and operations Includes tips and techniques such as script samples to illustrate various features of RAC A jumpstart into all the key features of 10g R2 RAC From the #1 source for computing information, trusted by more than six million readers worldwide. InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects. Tuning of SQL code is generally cheaper than changing the data model. Physical and configuration tuning involves a search for bottlenecks that often points to SQL code or data model issues. Building an appropriate data model and writing properly performing SQL code can give 100%+ performance improvement. Physical and configuration tuning often gives at most a 25% performance increase.

Gavin Powell shows that the central theme of Oracle10gR2 Performance Tuning is four-fold: denormalize data models to fit applications; tune SQL code according to both the data model and the application in relation to scalability; create a well-proportioned physical architecture at the time of initial Oracle installation; and most important, mix skill sets to obtain the best results. Fully updated for version 10gR2 and provides all necessary transition material from version 9i Includes all three aspects of Oracle database tuning: data model tuning, SQL & PL/SQL code tuning, physical plus configuration tuning Contains experienced guidance and real-world examples using large datasets Emphasizes development as opposed to operating system perspective Oracle PL/SQL Recipes is your go to book for PL/SQL programming solutions. It takes a task-oriented approach to PL/SQL programming that lets you quickly look up a specific task and see the pattern for a solution. Then it's as simple as modifying the pattern for your specific application and implementing it. And you're done and home for dinner. Oracle PL/SQL Recipes is another in Apress' ongoing series of recipe books aimed at Oracle practitioners. The recipe format is ideal for the busy professional who just needs to get the job done. Covers the most common PL/SQL programming problems Presents solutions in ready-to-use format Stays short and to-the-point A comprehensive examination of all the programming tools in Oracle's new Cooperative Development Environment (CDE), this text explores the capabilities of the CDE and details the creation of powerful GUI-based, client server and centralized information systems. Readers will acquire the skills necessary to quickly and easily complete the most complex information management projects. Use an innovative approach that relies on big data and advanced analytical techniques to analyze and improve Oracle Database performance. The approach used in this book represents a step-change paradigm shift away from traditional methods. Instead of relying on a few hand-picked, favorite metrics, or wading through multiple specialized tables of information such as those found in an automatic workload repository (AWR) report, you will draw on all available data, applying big data methods and analytical techniques to help the performance tuner draw impactful, focused performance improvement conclusions. This book briefly reviews past and present practices, along with available tools, to help you recognize areas where improvements can be made. The book then guides you through a step-by-step method that can be used to take advantage of all available metrics to identify problem areas and work toward improving them. The method presented simplifies the tuning process and solves the problem of metric overload. You will learn how to: collect and normalize data, generate deltas that are useful in performing statistical analysis, create and use a taxonomy to enhance your understanding of problem performance areas in your database and its applications, and create a root cause analysis report that enables understanding of a specific performance problem and its likely solutions. What You'll Learn Collect and prepare metrics for analysis from a wide array of sources Apply statistical techniques to select relevant metrics Create a taxonomy to provide additional insight into problem areas Provide a metrics-based

root cause analysis regarding the performance issue Generate an actionable tuning plan prioritized according to problem areas Monitor performance using database-specific normal ranges Who This Book Is For Professional tuners: responsible for maintaining the efficient operation of large-scale databases who wish to focus on analysis, who want to expand their repertoire to include a big data methodology and use metrics without being overwhelmed, who desire to provide accurate root cause analysis and avoid the cyclical fix-test cycles that are inevitable when speculation is used If you have mastered the fundamentals of the PL/SQL language and are now looking for an in-depth, practical guide to solving real problems with PL/SQL stored procedures, then this is the book for you. Database developers and administrators will use this book to learn how to deploy machine learning models in Oracle Database and in Oracle's Autonomous Database cloud offering. The book covers the technologies that make up the Oracle Machine Learning (OML) platform, including OML4SQL, OML Notebooks, OML4R, and OML4Py. The book focuses on Oracle Machine Learning as part of the Oracle Autonomous Database collaborative environment. Also covered are advanced topics such as delivery and automation pipelines. Throughout the book you will find practical details and hand-on examples showing you how to implement machine learning and automate deployment of machine learning. Discussion around the examples helps you gain a conceptual understanding of machine learning. Important concepts discussed include the methods involved, the algorithms to choose from, and mechanisms for process and deployment. Seasoned database professionals looking to make the leap into machine learning as a growth path will find much to like in this book as it helps you step up and use your current knowledge of Oracle Database to transition into providing machine learning solutions. What You Will Learn Use the Oracle Machine Learning (OML) Notebooks for data visualization and machine learning model building and evaluation Understand Oracle offerings for machine learning Develop machine learning with Oracle database using the built-in machine[YL1] learning packages Develop and deploy machine learning models using OML4SQL and OML4R Leverage the Oracle Autonomous Database and its collaborative environment for Oracle Machine Learning Develop and deploy machine learning projects in Oracle Autonomous Database Build an automated pipeline that can detect and handle changes in data/model performance Who This Book Is For Database developers and administrators who want to learn about machine learning, developers who want to build models and applications using Oracle Database's built-in machine learning feature set, and administrators tasked with supporting applications on Oracle Database that make use of the Oracle Machine Learning feature set From strategic business analysis through rollout and optimization, Oracle: A Database Developer's Guide will help you streamline your entire Oracle development process. It's replete with proven solutions and worked examples for Designer/2000, Developer/2000, the Oracle database engine, PL/SQL coding, and more -- all designed to maximize performance, even on tight development schedules. In this book, leading Oracle consultant

Ulka Rodgers demonstrates key techniques for building Web, client/server, and data warehousing applications. Learn how to make the most of the Oracle Application Server and Oracle Designer/2000 application generator; practical techniques for object-oriented data and process modeling; and better ways to develop screens, reports and procedural code. Discover when and how to use third-party alternatives to Oracle's tools. Get expert tuning help, covering query optimization, SQL*DBA monitor facilities, dynamic performance tables and more. You'll also find crucial design and coding information for optimizing today's distributed applications. If you run Oracle, this book will help you achieve more -- and get it done faster. Design Databases with Oracle SQL Developer Data Modeler In this practical guide, Oracle ACE Director Heli Helskyaho explains the process of database design using Oracle SQL Developer Data Modeler—the powerful, free tool that flawlessly supports Oracle and other database environments, including Microsoft SQL Server and IBM DB2. Oracle SQL Developer Data Modeler for Database Design Mastery covers requirement analysis, conceptual, logical, and physical design, data warehousing, reporting, and more. Create and deploy high-performance enterprise databases on any platform using the expert tips and best practices in this Oracle Press book. Configure Oracle SQL Developer Data Modeler Perform requirement analysis Translate requirements into a formal conceptual data model and process models Transform the conceptual (logical) model into a relational model Manage physical database design Generate data definition language (DDL) scripts to create database objects Design a data warehouse database Use subversion for version control and to enable a multiuser environment Document an existing database Use the reporting tools in Oracle SQL Developer Data Modeler Compare designs and the database Here you will learn how to develop an attractive, easily readable, conceptual, business-oriented entity/relationship model, using a variation on the UML Class Model notation. This book has two audiences: • Data modelers (both analysts and database designers) who are convinced that UML has nothing to do with them; and • UML experts who don't realize that architectural data modeling really is different from object modeling (and that the differences are important). David Hay's objective is to finally bring these two groups together in peace. Here all modelers will receive guidance on how to produce a high quality (that is, readable) entity/relationship model to describe the data architecture of an organization. The notation involved happens to be the one for class models in the Unified Modeling Language, even though UML was originally developed to support object-oriented design. Designers have a different view of the world from those who develop business-oriented conceptual data models, which means that to use UML for architectural modeling requires some adjustments. These adjustments are described in this book. David Hay is the author of Enterprise Model Patterns: Describing the World, a comprehensive model of a generic enterprise. The diagrams were at various levels of abstraction, and they were all rendered in the slightly modified version of UML Class Diagrams presented here. This book is a handbook to describe how to build models such as these. By way of background, an appendix

provides a history of the two groups, revealing the sources of their different attitudes towards the system development process. If you are an old-school ER modeler and now find yourself having to come up to speed on UML to get that next job (or keep the current one), this is your guidebook to success. If you are a long time object oriented programmer who has to interact with data modelers, this book is for you too. David has done the hard work of mapping out how to do a logical entity relationship model using standard (and accepted) UML diagram components. This book shows you step-by-step, with ample examples, how to get from here to there with the least pain possible for all concerned. Kent Graziano Certified Data Vault Master and Oracle ACE Past-President of ODTUG & RMOUG Brilliantly organized: three books hidden in one cohesive work. Not withstanding the tremendous value provided by cross-training data architects/modelers and object modelers/architects, making each better at what they do, Appendix B presents an absolutely awesome concise, yet detailed, history of modeling objects and data that clearly documents the differences in the approaches over the years and helps bring it all into perspective. This book is packed with useful information. Even the footnotes add clarity and offer interesting and often humorous editorial insight making it a fun read. Whatever viewpoint the reader is coming from this book has something to offer as long as the reader maintains an open mind. Roland Berg Senior Architect Diligent Consulting, Inc. San Antonio, Texas The Multi-dimensional Data Modeling Toolkit represents over 15 years of hands-on experience developing multidimensional analytic applications for over a dozen companies in a variety of application areas. Written in a tutorial style, this book gives, in plain English, a step-by-step development of the defining principles of OLAP analysis through the lens of the programming language at the heart of Oracle's OLAP database option. You will find this book packed with examples, tricks and techniques, concrete illustrations of the programming elements needed to implement. The basics will all be there as well as advanced techniques that you can use to address the most demanding requirements. OLAP will be addressed as an analysis platform. You will learn how to make business intelligence applications smarter by upping the analytical octane. You will learn both the classic applications of OLAP analysis as well as more exotic approaches. You will learn where OLAP fits in among other analytical approaches such as statistics and data mining. So whether you are a developer wanting to learn Oracle's counterpart to Microsoft's MDX, or an analyst wanting to understand the quantitative possibilities of OLAP, The Multi-dimensional Data Modeling Toolkit will show you what you need to know to go from beginner to expert in the application of OLAP analytics with Oracle OLAP DML. Summary Cloud Native Patterns is your guide to developing strong applications that thrive in the dynamic, distributed, virtual world of the cloud. This book presents a mental model for cloud-native applications, along with the patterns, practices, and tooling that set them apart. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Cloud platforms promise the holy grail: near-

zero downtime, infinite scalability, short feedback cycles, fault-tolerance, and cost control. But how do you get there? By applying cloudnative designs, developers can build resilient, easily adaptable, web-scale distributed applications that handle massive user traffic and data loads. Learn these fundamental patterns and practices, and you'll be ready to thrive in the dynamic, distributed, virtual world of the cloud. About the Book With 25 years of experience under her belt, Cornelia Davis teaches you the practices and patterns that set cloud-native applications apart. With realistic examples and expert advice for working with apps, data, services, routing, and more, she shows you how to design and build software that functions beautifully on modern cloud platforms. As you read, you will start to appreciate that cloud-native computing is more about the how and why rather than the where. What's inside The lifecycle of cloud-native apps Cloud-scale configuration management Zero downtime upgrades, versioned services, and parallel deploys Service discovery and dynamic routing Managing interactions between services, including retries and circuit breakers About the Reader Requires basic software design skills and an ability to read Java or a similar language. About the Author Cornelia Davis is Vice President of Technology at Pivotal Software. A teacher at heart, she's spent the last 25 years making good software and great software developers. Table of Contents PART 1 - THE CLOUD-NATIVE CONTEXT You keep using that word: Defining "cloud-native" Running cloud-native applications in production The platform for cloud-native software PART 2 - CLOUD-NATIVE PATTERNS Event-driven microservices: It's not just request/response App redundancy: Scale-out and statelessness Application configuration: Not just environment variables The application lifecycle: Accounting for constant change Accessing apps: Services, routing, and service discovery Interaction redundancy: Retries and other control loops Fronting services: Circuit breakers and API gateways Troubleshooting: Finding the needle in the haystack Cloud-native data: Breaking the data monolith The only Oracle Press guide to MySQL Workbench explains how to design and model MySQL databases. MySQL Workbench Data Modeling and Development helps developers learn how to effectively use this powerful product for database modeling, reverse engineering, and interaction with the database without writing SQL statements. MySQL Workbench is a graphical user interface that can be used to create and maintain MySQL databases without coding. The book covers the interface and explains how to accomplish each step by illustrating best practices visually. Clear examples, instructions, and explanations reveal, in a single volume, the art of database modeling. This Oracle Press guide shows you how to get the tool to do what you want. Annotated screen shots demonstrate all interactions with the tool, and text explains the how, what, and why of each step. Complete coverage Installation and Configuration; Creating and Managing Connections; Data Modeling Concepts; Creating an ERD; Defining the Physical Schemata; Creating and Managing Tables; Creating and Managing Relationships; Creating and Managing Views; Creating and Managing Routines; Creating and Managing Routine Groups; Creating and Managing User & Groups; Creating and

Managing SQL Scripts; Generating SQL Scripts; Forward Engineering a Data Model; Synchronize a Model with a Database; Reverse Engineering a Database; Managing Differences in the Data Catalog; Creating and Managing Model Notes; Editing Table Data; Editing Generated Scripts; Creating New Instances; Managing Import and Export; Managing Security; Managing Server Instances This guide will help readers learn how to employ the significant power of use cases to their software development efforts. It provides a practical methodology, presenting key use case concepts. Design and Develop Databases using Oracle SQL Developer and its feature-rich, powerful user-extensible interface with this book and eBook. The age for using a simple text editor is long gone. The ever-growing complexity of Java and J2EE creates a need for Java development tools that offer more. If you want to be more productive with Java, you need a Java IDE. Oracle JDeveloper 10g is an IDE that enables you to develop Java applications with minimal effort. JDeveloper can do wonders for your Swing, JSP, Servlets, Struts, EJBs, and Web Services developments. In this indispensable guide, renowned author Harshad Oak puts the technology first, enhancing the text with sample applications that demonstrate how JDeveloper can simplify your developments using the technology. Oak also focuses on the Application Development Framework (ADF) that comes with JDeveloper 10g—a framework that will get your applications up and running fast. The book also delves into JDeveloper's many code optimization tools, demonstrating how to use them to find improper or resource-hungry code that requires your immediate attention. Oak continues on to discuss JDeveloper extensions that add even more value to JDeveloper. Build Next-Generation In-Database Predictive Analytics Applications with Oracle Data Miner “If you have an Oracle Database and want to leverage that data to discover new insights, make predictions, and generate actionable insights, this book is a must read for you! In Predictive Analytics Using Oracle Data Miner: Develop & Use Oracle Data Mining Models in Oracle Data Miner, SQL & PL/SQL, Brendan Tierney, Oracle ACE Director and data mining expert, guides you through the basic concepts of data mining and offers step-by-step instructions for solving data-driven problems using SQL Developer’s Oracle Data Mining extension. Brendan takes it full circle by showing you how to deploy advanced analytical methodologies and predictive models immediately into enterprise-wide production environments using the in-database SQL and PL/SQL functionality. Definitely a must read for any Oracle data professional!” --Charlie Berger, Senior Director Product Management, Oracle Data Mining and Advanced Analytics Perform in-database data mining to unlock hidden insights in data. Written by an Oracle ACE Director, Predictive Analytics Using Oracle Data Miner shows you how to use this powerful tool to create and deploy advanced data mining models. Covering topics for the data scientist, Oracle developer, and Oracle database administrator, this Oracle Press guide shows you how to get started with Oracle Data Miner and build Oracle Data Miner models using SQL and PL/SQL packages. You'll get best practices for integrating your Oracle Data Miner models into applications to automate the discovery and distribution of business

intelligence predictions throughout the enterprise. Install and configure Oracle Data Miner for Oracle Database 11g Release 11.2 and Oracle Database 12c Create Oracle Data Miner projects and workflows Prepare data for data mining Develop data mining models using association rule analysis, classification, clustering, regression, and anomaly detection Use data dictionary views and prepare your data using in-database transformations Build and use data mining models using SQL and PL/SQL packages Migrate your Oracle Data Miner models, integrate them into dashboards and applications, and run them in parallel Build transient data mining models with the Predictive Queries feature in Oracle Database 12c An in-depth analysis of the strengths and limitations of computer models in helping solve social, economic and political problems, using nine recent models as examples. Addressing the growing disillusionment with models among researchers and policymakers, the authors discuss what has been done and what still needs to be done to make modeling a more viable and realistic analytical tool. For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network. A Hands-on guide to modeling and managing business services using Oracle Enterprise Manager 11g R1 using this book and eBook. There are three parts to tuning an Oracle database: data modeling, SQL code tuning and physical database configuration. A data model contains tables and relationships between tables. Tuning a data model involves normalization and de-normalization. Different approaches are required depending on the application, such as OLTP or a Data Warehouse. Inappropriate database design can make SQL code impossible to tune. Poor data modeling can have a most profound effect on database performance since all SQL code is constructed from the data model. Poorly written SQL code is often a culprit of performance problems and is expensive to rectify. However, tuning of SQL code is generally cheaper than changing the data model. SQL code tends to be contained inside independent blocks within applications or stored procedures. Physical database tuning involves hardware resource usage, networking and various other Oracle things such as configuration and file distribution. Physical configuration is often a culprit of poor performance where Oracle is installed with defaults, and never altered by an expert. *Includes all three aspects of Oracle database tuning: data model tuning, SQL & PL/SQL code tuning, physical plus configuration tuning *Contains experienced guidance and real-world examples using large datasets *Emphasizes development as opposed to operating system perspective Get Started with Oracle Fusion Development Written by a Group Product Manager at Oracle, this Oracle Press guide gets you up and running quickly with your first Oracle Fusion applications. Quick Start Guide to Oracle Fusion Development provides only the essential information you need to build applications in a matter of hours. Rapidly learn the building blocks and functionality you'll use most of the time. The progression of topics closely matches the application building process, taking you

through a typical developer scenario from start to completion. Quick Start Guide to Oracle Fusion Development features Concise and friendly format providing the essentials needed to start building applications right away Chapters that build on each other to illustrate a typical development scenario from start to finish Unique author insights gained from hours of one-on-one meetings with customers and work in Oracle's usability labs The perfect entry point to Oracle Fusion development Introduction to Fusion and the Fusion Technologies; Introduction to JDeveloper and Oracle ADF; Finding your Way Around JDeveloper; Building Business Services; Introducing ADF Business Components; The Role of the Entity; A View of your Data - The View Object; The Application Module; Implementing Business Service Validation; More View Object Features; Building the User Interface; Introducing ADF Face Rich Client; ADF Model; Building Typical ADF Pages; Building Application Flow; Menus, Toolbars and Buttons; Advanced UI Techniques; Data Visualization and Other Rich UI Components; Application Look and Feel; Common Coding Patterns; Common Business Service Coding Examples; Common View Coding Examples Formerly published by Chicago Business Press, now published by Sage Database Design, Application Development, and Administration, Seventh Edition, offers a comprehensive understanding of database technology. Author Michael Mannino equips students with the necessary tools to grasp the fundamental concepts of database management, and then guides them in honing their skills to solve both basic and advanced challenges in query formulation, data modeling, and database application development. Written by Oracle insiders, this indispensable guide distills an enormous amount of information about the Oracle Database into one compact volume. Ideal for novice and experienced DBAs, developers, managers, and users, Oracle Essentials walks you through technologies and features in Oracle's product line, including its architecture, data structures, networking, concurrency, and tuning. Complete with illustrations and helpful hints, this fifth edition provides a valuable one-stop overview of Oracle Database 12c, including an introduction to Oracle and cloud computing. Oracle Essentials provides the conceptual background you need to understand how Oracle truly works. Topics include: A complete overview of Oracle databases and data stores, and Fusion Middleware products and features Core concepts and structures in Oracle's architecture, including pluggable databases Oracle objects and the various datatypes Oracle supports System and database management, including Oracle Enterprise Manager 12c Security options, basic auditing capabilities, and options for meeting compliance needs Performance characteristics of disk, memory, and CPU tuning Basic principles of multiuser concurrency Oracle's online transaction processing (OLTP) Data warehouses, Big Data, and Oracle's business intelligence tools Backup and recovery, and high availability and failover solutions Written for programmers, applications developers, and consultants who work with Oracle software and need a focused, coherent set of concepts and techniques for application development. This book is an invaluable resource if you are an Enterprise architect,

solution architect, developer, process analyst, or application functional and technical consultant who uses Business Process Management and BPMN to model and implement Enterprise IT applications, SaaS, and cloud applications. Learn Database design, development, and administration using the feature-rich SQL Developer 4.1 interface About This Book Explore all the SQL Developer 4.1 features useful for Oracle database developers, architects, and administrators Understand how this free tool from Oracle has evolved over the years and has become a complete tool that makes life easy for Oracle and third-party database users The author, Ajith Narayanan, has a total of 10+ years of work experience as an Oracle [APPS] DBA Who This Book Is For This book is intended for Oracle developers who are responsible for database management. You are expected to have programming knowledge of SQL and PL/SQL, and must be familiar with basic Oracle database concepts. What You Will Learn Install and navigate through all the advanced features of SQL Developer that were introduced in version 4.1 Browse, create, edit, and delete (drop) database objects Use the SQL worksheet to run SQL statements and scripts, edit and debug PL/SQL code, manipulate and export (unload) data Carry out all DBA-related activities such as exporting/importing, tuning, and analyzing database performance issues Quickly analyze, create, and edit the data model using data modeler Extend the SQL developer capabilities by exploring the APEX related pages, enabling and working with RESTful services Use the available reports and create new custom reports with custom scripts Grasp how to connect to third-party databases and work smoothly with them In Detail At times, DBAs support 100s of databases at work. In such scenarios, using a command-line tool like putty adds to the difficulty, while SQL Developer makes the life of a developer, DBA, or DB architect easier by providing a graphical user interface equipped with features that can bolster and enhance the user experience and boost efficiency. Features such as DBA panel, Reports, Data Modeler, and Data Miner are just a few examples of its rich features, and its support for APEX, REST Services, timesten, and third-party database drivers demonstrate its extensibility. You may be a newbie to databases or a seasoned database expert, either way this book will help you understand the database structure and the different types of objects that organize enterprise data in an efficient manner. This book introduces the features of the SQL Developer 4.1 tool in an incremental fashion, starting with installing them, making the database connections, and using the different panels. By sequentially walking through the steps in each chapter, you will quickly master SQL Developer 4.1. Style and approach This book follows a step-by-step approach and is in a conversational and easy-to-follow style. Screenshots, and detailed explanations of the basic and advanced features of SQL Developer 4.1 that will make your work and life easy. The world of data warehousing is changing. Big Data & Agile are hot topics. But companies still need to collect, report, and analyze their data. Usually this requires some form of data warehousing or business intelligence system. So how do we do that in the modern IT landscape in a way that allows us to be agile and either deal directly or indirectly

with unstructured and semi structured data?The Data Vault System of Business Intelligence provides a method and approach to modeling your enterprise data warehouse (EDW) that is agile, flexible, and scalable. This book will give you a short introduction to Agile Data Engineering for Data Warehousing and Data Vault 2.0. I will explain why you should be trying to become Agile, some of the history and rationale for Data Vault 2.0, and then show you the basics for how to build a data warehouse model using the Data Vault 2.0 standards. In addition, I will cover some details about the Business Data Vault (what it is) and then how to build a virtual Information Mart off your Data Vault and Business Vault using the Data Vault 2.0 architecture. So if you want to start learning about Agile Data Engineering with Data Vault 2.0, this book is for you. Agile Java™ Development With Spring, Hibernate and Eclipse is a book about robust technologies and effective methods which help bring simplicity back into the world of enterprise Java development. The three key technologies covered in this book, the Spring Framework, Hibernate and Eclipse, help reduce the complexity of enterprise Java development significantly. Furthermore, these technologies enable plain old Java objects (POJOs) to be deployed in light-weight containers versus heavy-handed remote objects that require heavy EJB containers. This book also extensively covers technologies such as Ant, JUnit, JSP tag libraries and touches upon other areas such as such logging, GUI based debugging, monitoring using JMX, job scheduling, emailing, and more. Also, Extreme Programming (XP), Agile Model Driven Development (AMDD) and refactoring are methods that can expedite the software development projects by reducing the amount of up front requirements and design; hence these methods are embedded throughout the book but with just enough details and examples to not sidetrack the focus of this book. In addition, this book contains well separated, subjective material (opinion sidebars), comic illustrations, tips and tricks, all of which provide real-world and practical perspectives on relevant topics. Last but not least, this book demonstrates the complete lifecycle by building and following a sample application, chapter-by-chapter, starting from conceptualization to production using the technology and processes covered in this book. In summary, by using the technologies and methods covered in this book, the reader will be able to effectively develop enterprise-class Java applications, in an agile manner! In this second edition of his best-selling book, Data Structures and Algorithm Analysis in C , Mark Allen Weiss continues to refine and enhance his innovative approach to algorithms and data structures. Using a C implementation, he highlights conceptual topics, focusing on ADTs and the analysis of algorithms for efficiency as well as performance and running time. Dr. Weiss also distinguishes Data Structures and Algorithm Analysis in C with the extensive use of figures and examples showing the successive stages of an algorithm, his engaging writing style, and a logical organization of topics. PCMag.com is a leading authority on technology, delivering Labs-based, independent reviews of the latest products and services. Our expert industry analysis and practical solutions help you make better buying decisions and get

more from technology. Adopting the latest technological and data related innovations has caused many organisations to realise they don't have a firm grasp on their basic operational data. This is a problem that Logical Data Models are uniquely qualified to help them solve. The realisation of the need to define a Logical Data Model may be driven by any number of reasons including; trying to link Big Data Analytics to operational data, plunging into Digital Marketing, choosing the best SaaS solution, carrying out a core Data Migration, developing a Data Warehouse, enhancing Data Governance processes, or even just trying to get everyone to agree on their Product specifications! This book will provide you with the skills required to start to answer these and many similar types of questions. It is not written with a focus on IT development, so you don't need a technical background to get the most from it. But for any professional working in an organisation's data landscape, this book will provide the skills they need to define high quality and beneficial data models quickly and easily. It does this using a wealth of practical examples, tips and techniques, as well as providing checklists and templates. It is structured into three parts: The Foundations: What are the solid foundations necessary for building effective data models? The Tools: What Tools are required to enable you to specify clear, precise and accurate data model definitions? The Deliverables: What processes will you need to successfully define the models, what will they deliver, and how can we make them beneficial to the organisation? "In this data-rich era, it is even more critical for organisations to answer the question of what their data means and the value it can bring. Those who can, will gain a competitive advantage through their use of data to streamline their operations and energise their strategies. Core to revealing this meaning, is the data model that is now, more than ever, the lynchpin of success. The Data Model Toolkit provides the essential knowledge and skills that will ensure this success." - Reem Zahran, Global IT Platform Director, TNS "We work with many enterprise customers to help them transform their technology and it always starts with data. The key is a clear definition of their data quality, completeness and governance. This book shows you step by step how to define and use Data Models as powerful tools to define an organisation's data and maximise its business benefit." - John Casserly, CEO, Xceed Group Beginning Oracle SQL is your introduction to the interactive query tools and specific dialect of SQL used with Oracle Database. These tools include SQL*Plus and SQL Developer. SQL*Plus is the one tool any Oracle developer or database administrator can always count on, and it is widely used in creating scripts to automate routine tasks. SQL Developer is a powerful, graphical environment for developing and debugging queries. Oracle's is possibly the most valuable dialect of SQL from a career standpoint. Oracle's database engine is widely used in corporate environments worldwide. It is also found in many government applications. Oracle SQL implements many features not found in competing products. No developer or DBA working with Oracle can afford to be without knowledge of these features and how they work, because of the performance and expressiveness they bring to the table. Written in an

easygoing and example-based style, Beginning Oracle SQL is the book that will get you started down the path to successfully writing SQL statements and getting results from Oracle Database. Takes an example-based approach, with clear and authoritative explanations Introduces both SQL and the query tools used to execute SQL statements Shows how to create tables, populate them with data, and then query that data to generate business results

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