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**KEY=PRACTICE - RHETT BROCK**

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**SQL PRACTICE PROBLEMS**

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**57 BEGINNING, INTERMEDIATE, AND ADVANCED CHALLENGES FOR YOU TO SOLVE USING A "LEARN-BY-DOING" APPROACH**

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*Createspace Independent Publishing Platform Real-world practice problems to bring your SQL skills to the next level It's easy to find basic SQL syntax and keyword information online. What's hard to find is challenging, well-designed, real-world problems--the type of problems that come up all the time when you're dealing with data. Learning how to solve these problems will give you the skill and confidence to step up in your career. With SQL Practice Problems, you can get that level of experience by solving sets of targeted problems. These aren't just problems designed to give an example of specific syntax, or keyword. These are the common problems you run into all the time when you deal with data. You will get real world practice, with real world data. I'll teach you how to "think" in SQL, how to analyze data problems, figure out the fundamentals, and work towards a solution that you can be proud of. It contains challenging problems, that hone your ability to write high quality SQL code. What do you get when you buy SQL Practice Problems? You get instructions on how set up MS SQL Server Express Edition 2016 and SQL Server Management Studio 2016, both free downloads. Almost all the SQL presented here works for previous versions of MS SQLServer, and any exceptions are highlighted. You'll also get a customized sample database, with video walk-through instructions on how to set it up on your computer. And of course, you get the actual practice problems - 57 problems that you work through step-by-step. There are targeted hints if you need them that help guide you through the question. For the more complex questions there are multiple levels of hints. Each answer comes with a short, targeted discussion section with alternative answers and tips on usage and good programming practice. What kind of problems are there in SQL Practice Problems? SQL Practice Problems has data analysis and reporting oriented challenges that are*

*designed to step you through introductory, intermediate and advanced SQL Select statements, with a learn-by-doing technique. Most textbooks and courses have some practice problems. But most often, they're used just to illustrate a particular piece of syntax, with no filtering on what's most useful. What you'll get with SQL Practice Problems is the problems that illustrate some the most common challenges you'll run into with data, and the best, most useful techniques to solve them. These practice problems involve only Select statements, used for data analysis and reporting, and not statements to modify data (insert, delete, update), or to create stored procedures. About the author: Hi, my name is Sylvia Moestl Vasilik. I've been a database programmer and engineer for more than 15 years, working at top organizations like Expedia, Microsoft, T-Mobile, and the Gates Foundation. In 2015, I was teaching a SQL Server Certificate course at the University of Washington Continuing Education. It was a 10 week course, and my students paid more than \$1000 for it. My students learned the basics of SQL, most of the keywords, and worked through practice problems every week of the course. But because of the emphasis on getting a broad overview of all features of SQL, we didn't spend enough time on the types of SQL that's used 95% of the time--intermediate and advanced Select statements. After the course was over, some of my students emailed me to ask where they could get more practice. That's when I was inspired to start work on this book.*

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## **ORACLE SQL RECIPES**

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### **A PROBLEM-SOLUTION APPROACH**

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*Apres Have you ever been faced with a new type of query to write, or been asked to create an unfamiliar database object? In such situations, you have probably wanted a good, solid example upon which to build, and instead have been forced into the drudgery of parsing railroad-style syntax diagrams in Oracle's manual set. This book frees you from that drudgery by providing tested and working examples of SQL used to solve common problems faced by developers and database administrators on a daily basis. When you're under pressure to get results fast, Oracle SQL Recipes is there at your side. Example-based, providing quality solutions to everyday problems Respects your time by putting solutions first and keeping discussions short Solves the most commonly encountered SQL problems*

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## **SQL PRACTICE PROBLEMS**

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### **57 BEGINNING, INTERMEDIATE, AND ADVANCED CHALLENGES FOR YOU TO SOLVE USING A LEARN-BY-DOING APPROACH**

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*Do you need to learn SQL for your job? The ability to write SQL and work with data is one of the most in-demand job skills. Are you prepared? It's easy to find basic SQL syntax and keyword information online. What's hard to find is challenging, well-designed, real-world problems--the type of problems that come up all the time when you're dealing with data. Learning how to solve these problems will give you the skill and confidence to step up in your career. With SQL Practice Problems, you can get that level of experience by solving sets of targeted problems. These aren't just*

problems designed to give an example of specific syntax. These are the most common problems you encounter when you deal with data. You will get real world practice, with real world data. I'll teach you how to "think" in SQL, how to analyze data problems, figure out the fundamentals, and work towards a solution that you can be proud of. It contains challenging problems, which develop your ability to write high quality SQL code. What do you get when you buy SQL Practice Problems? Setup instructions for MS SQL Server Express Edition 2016 and SQL Server Management Studio 2016 (Microsoft Windows required). Both are free downloads. A customized sample database, with a video walk-through on setting it up. Practice problems - 57 problems that you work through step-by-step. There are targeted hints if you need them, which help guide you through the question. For the more complex questions, there are multiple levels of hints. Answers and a short, targeted discussion section on each question, with alternative answers and tips on usage and good programming practice. What does SQL Practice Problems not contain? Complex descriptions of syntax. There's just what you need, and no more. A discussion of differences between every single SQL variant (MS SQL Server, Oracle, MySQL). That information takes just a few seconds to find online. Details on Insert, Update and Delete statements. That's important to know eventually, but first you need experience writing intermediate and advanced Select statements to return the data you want from a relational database. What kind of problems are there in SQL Practice Problems? SQL Practice Problems has data analysis and reporting oriented challenges that are designed to step you through introductory, intermediate and advanced SQL Select statements, with a learn-by-doing technique. Most textbooks and courses have some practice problems. But most often, they're used just to illustrate a particular syntax. There's no filtering on what's most useful, and what the most common issues are. What you'll get with SQL Practice Problems is the problems that illustrate some the most common challenges you'll run into with data, and the best, most useful techniques to solve them.

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## **SQL COOKBOOK**

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"O'Reilly Media, Inc." A guide to SQL covers such topics as retrieving records, metadata queries, working with strings, data arithmetic, date manipulation, reporting and warehousing, and hierarchical queries.

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## **MICROSOFT SQL SERVER 2008 INTEGRATION SERVICES**

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### **PROBLEM, DESIGN, SOLUTION**

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John Wiley & Sons An authoritative guide to designing effective solutions for data cleansing, ETL, and file management with SQL Server 2008 Integration Services SQL Server Integration Services (SSIS) is the leading tool in the data warehouse industry, used for performing extraction, transformation, and load operations. After an overview of SSIS architecture, the authors walk you a series of real-world problems and show various techniques for handling them. Shows you how to design SSIS solutions for data cleansing, ETL and file management Demonstrates how to integrate data from a variety of data sources, Shows how to monitor SSIS

performance, Demonstrates how to avoid common pitfalls involved with SSIS deployment Explains how to ensure performance of the deployed solution and effectively handle unexpected system failures and outages The companion Web site provides sample code and database scripts that readers can directly implement This book shows you how to design, build, deploy, and manage solutions to real-world problems that SSIS administrators and developers face day-to-day.

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## LEARNING SQL

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### MASTER SQL FUNDAMENTALS

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O'Reilly Media Updated for the latest database management systems -- including MySQL 6.0, Oracle 11g, and Microsoft's SQL Server 2008 -- this introductory guide will get you up and running with SQL quickly. Whether you need to write database applications, perform administrative tasks, or generate reports, *Learning SQL, Second Edition*, will help you easily master all the SQL fundamentals. Each chapter presents a self-contained lesson on a key SQL concept or technique, with numerous illustrations and annotated examples. Exercises at the end of each chapter let you practice the skills you learn. With this book, you will: Move quickly through SQL basics and learn several advanced features Use SQL data statements to generate, manipulate, and retrieve data Create database objects, such as tables, indexes, and constraints, using SQL schema statements Learn how data sets interact with queries, and understand the importance of subqueries Convert and manipulate data with SQL's built-in functions, and use conditional logic in data statements Knowledge of SQL is a must for interacting with data. With *Learning SQL*, you'll quickly learn how to put the power and flexibility of this language to work.

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## SQL SERVER

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### TIPS AND TRICKS I

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*MeetCoogole SQL Server - Tips and Tricks I* book has solutions of some real time SQL Server problems that a developer face in most of the real time projects. Find out how to migrate databases, work with constraints, create stored procedures, triggers, functions, views and cursors and configure effective queries. Security, monitoring, and tuning techniques are also covered in this volume. All solutions are written with best practices and comes with complete to-the-point description and source code. You know the basics of the SQL query language, yet you feel you aren't taking full advantage of SQL's expressive power. You'd like to learn how to do more work with SQL inside the database before pushing data across the network to your applications. Let's face it, SQL is a deceptively simple language to learn, and many database developers never go far beyond the simple statement: `SELECT columns FROM table WHERE conditions`. But there is so much more you can do with the language. In the *SQL Server - Tips and Tricks*, experienced SQL developer Priyanka Agarwal shares her favorite SQL techniques and tricks to take your SQL skills to the next level. As you develop these skills, you will use either Microsoft SQL server to execute SQL statements. Everyone reading this book can jump right in with writing SQL statements in MS SQL Server with great ease. It's easy to find basic SQL syntax

and keyword information online. What's hard to find is challenging, well-designed, real-world problems—the type of problems that come up all the time when you're dealing with data. Learning how to solve these problems will give you the skill and confidence to step up in your career. With *SQL Server - Tips and Tricks*, you can get that level of experience by solving sets of targeted problems. These aren't just problems designed to give an example of specific syntax. These are the most common problems you encounter when you deal with data. You will get real world practice, with real world data. I'll teach you how to "think" in SQL, how to analyze data problems, figure out the fundamentals, and work towards a solution that you can be proud of. It contains challenging problems, which develop your ability to write high quality SQL code. It has data analysis and reporting oriented challenges that are designed to step you through introductory, intermediate and advanced SQL Select statements, with a learn-by-doing technique. Most textbooks and courses have some practice problems. But most often, they're used just to illustrate a particular syntax. There's no filtering on what's most useful, and what the most common issues are. What you'll get with *SQL Practice Problems* is the problems that illustrate some the most common challenges you'll run into with data, and the best, most useful techniques to solve them. Published by: MeetCoogle

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## **SOLVING BUSINESS PROBLEMS USING SQL**

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### **A DEFINITIVE GUIDE FOR BEGINNERS WHO WANT TO BE PROFICIENT IN DATABASE DESIGN AND WRITING SQL**

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*Independently Published* Are you getting ready for your new job? Data analysis and presentation is one of the most in-demand job skills right now. Knowing SQL syntaxes and applying them to the real world problems will give you advantage in your career. Whether you are going to start a new job, or you are a database administrator, developer of web or mobile applications, or you are engaged in a similar business applications role, a good understanding of SQL is essential for communicating with modern database systems. The point is that, if you are working with data, you definitely need to know SQL. There are plenty of resources regarding SQL syntaxes, but it is difficult to find resources that shows how to apply these syntaxes for solving real world business problems. This book is filling this gap. This book is for anyone who has little to no knowledge about databases or SQL and would like to become an expert in it. The lessons and practice scenarios in this book are designed to teach a total beginner how to build a complete database from scratch using SQL. For those of you who are not novices, we recommend this book as a valuable resource for: Application developers who want to learn how to write SQL on their own rather than rely on a database developer to do it for them Application developers who want to become a solution designer/architect by becoming proficient in database design and SQL Data analysts, data architects, report analysts or report developers who have to answer a lot of business questions and want to use SQL to answer those questions Application users who want to go the extra mile and find answers to their own questions using SQL Anyone who is an expert in one database tool and wants to become an expert in another database tool Business users or project managers who would like to know how to talk to technical people (such as

those mentioned above) Anyone who can write SQL but doesn't know how to design a database from a business case In short, if you want to take a more active role in how your database powers your business, the SQL skills taught in this book will give you an advantage in your career. You will learn how to: Create data model for your business Convert data model into physical database Insert, update and delete data Solve real world problems related to data Recover your data from disaster Table of Contents A Basic Vocabulary of Database Design & SQL The E-commerce Site Case Study Installing SQL Tools Converting a logical data model into a physical database Manipulating Data Retrieving Static Data without a Table Retrieving All Rows from a Table Retrieving subset of rows from a table Summarizing Retrieved Rows from a Table Retrieving and Summarizing Data from Multiple Tables Using Inner Join Retrieving and summarizing data from multiple tables using Outer Join Retrieving and Summarizing Data from Multiple Tables Using UNION Working with Views Comparing Data Between Rows Within the Same Table or Result Set Using Self-Join Working with Flow-control Statements Working with Stored Procedures Working with Triggers Improving query performance using indexes Backing up and restoring a database Appendix A Solutions to the Practice Business Problems

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## **ORACLE AND PL/SQL RECIPES**

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### **A PROBLEM-SOLUTION APPROACH**

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*Apress 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*

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## **INTELLIGENT TUTORING SYSTEMS**

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### **5TH INTERNATIONAL CONFERENCE, ITS 2000, MONTREAL, CANADA, JUNE 19-23, 2000 PROCEEDINGS**

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*Springer Science & Business Media ITS 2000 is the fifth international conference on Intelligent Tutoring Systems. The preceding conferences were organized in Montreal in 1988, 1992, and 1996. These conferences were so strongly supported by the international community that it was decided to hold them every two years. ITS'98 was organized by Carol Redfield and Valerie Shute and held in San Antonio, Texas. The program committee included members from 13 countries. They received 140 papers (110 full papers and 30 young researchers papers) from 21 countries. As with any international conference whose proceedings serve as a reference for the field, the program committee faced the demanding task of selecting papers from a particularly high quality set of submissions. This proceedings volume contains 61 papers selected by the program committee from the 110 papers submitted. They*

were presented at the conference, along with six invited lectures from well known speakers. The papers cover a wide range of subjects including architectures for ITS, teaching and learning strategies, authoring systems, learning environments, instructional designs, cognitive approaches, student modeling, distributed learning environments, evaluation of instructional systems, cooperative systems, Web based training systems, intelligent agents, agent based tutoring systems, intelligent multimedia and hypermedia systems, interface design, and intelligent distance learning.

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## **SQL QUERIES FOR MERE MORTALS**

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### **A HANDS-ON GUIDE TO DATA MANIPULATION IN SQL**

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Addison-Wesley Professional The #1 Easy, Common-Sense Guide to SQL Queries—Updated for Today’s Databases, Standards, and Challenges SQL Queries for Mere Mortals ® has earned worldwide praise as the clearest, simplest tutorial on writing effective SQL queries. The authors have updated this hands-on classic to reflect new SQL standards and database applications and teach valuable new techniques. Step by step, John L. Viescas and Michael J. Hernandez guide you through creating reliable queries for virtually any modern SQL-based database. They demystify all aspects of SQL query writing, from simple data selection and filtering to joining multiple tables and modifying sets of data. Three brand-new chapters teach you how to solve a wide range of challenging SQL problems. You’ll learn how to write queries that apply multiple complex conditions on one table, perform sophisticated logical evaluations, and think “outside the box” using unlinked tables. Coverage includes -- Getting started: understanding what relational databases are, and ensuring that your database structures are sound -- SQL basics: using SELECT statements, creating expressions, sorting information with ORDER BY, and filtering data using WHERE -- Summarizing and grouping data with GROUP BY and HAVING clauses -- Drawing data from multiple tables: using INNER JOIN, OUTER JOIN, and UNION operators, and working with subqueries -- Modifying data sets with UPDATE, INSERT, and DELETE statements Advanced queries: complex NOT and AND, conditions, if-then-else using CASE, unlinked tables, driver tables, and more Practice all you want with downloadable sample databases for today’s versions of Microsoft Office Access, Microsoft SQL Server, and the open source MySQL database. Whether you’re a DBA, developer, user, or student, there’s no better way to master SQL. [informit.com/aw\\_forMereMortals.com](http://informit.com/aw_forMereMortals.com)

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### **ENTITY FRAMEWORK 6 RECIPES**

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Apress Entity Framework 6 Recipes provides an exhaustive collection of ready-to-use code solutions for Entity Framework, Microsoft's model-centric, data-access platform for the .NET Framework and ASP.NET development. With this book, you will learn the core concepts of Entity Framework through a broad range of clear and concise solutions to everyday data access tasks. Armed with this experience, you will be ready to dive deep into Entity Framework, experiment with new approaches, and develop ways to solve even the most difficult data access challenges. If you are a

developer who likes to learn by example, then this is the right book for you. Gives ready-to-use, real-world recipes to help you with everyday tasks Places strong focus on DbContext and the Code First approach Covers new features such as Async Query and Save, Codebased Configuration, Connection Resiliency, Dependency Resolution, and much more

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## **PRO SQL SERVER 2012 PRACTICES**

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*Apress Pro SQL Server 2012 Practices is an anthology of high-end wisdom from a group of accomplished database administrators who are quietly but relentlessly pushing the performance and feature envelope of Microsoft SQL Server 2012. With an emphasis upon performance—but also branching into release management, auditing, and other issues—the book helps you deliver the most value for your company’s investment in Microsoft’s flagship database system. Goes beyond the manual to cover good techniques and best practices Delivers knowledge usually gained only by hard experience Focuses upon performance, scalability, reliability Helps achieve the predictability needed to be in control at all times*

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## **MASTERING ORACLE PL/SQL**

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### **PRACTICAL SOLUTIONS**

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*Apress 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.*

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## **BRIDGING RELATIONAL AND NOSQL DATABASES**

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*IGI Global Relational databases have been predominant for many years and are used throughout various industries. The current system faces challenges related to size and variety of data thus the NoSQL databases emerged. By joining these two database models, there is room for crucial developments in the field of computer science. Bridging Relational and NoSQL Databases is an innovative source of academic content on the convergence process between databases and describes key features of the next database generation. Featuring coverage on a wide variety of topics and perspectives such as BASE approach, CAP theorem, and hybrid and native solutions, this publication is ideally designed for professionals and researchers interested in the features and collaboration of relational and NoSQL databases.*

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## **DATABASE INTEGRITY: CHALLENGES AND SOLUTIONS**

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### **CHALLENGES AND SOLUTIONS**

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*IGI Global Geared toward designers and professionals interested in the conceptual aspects of integrity problems in different paradigms, Database Integrity: Challenges and Solutions successfully addresses these and a variety of other issues.*

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## **GAMES AND LEARNING ALLIANCE**

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## **5TH INTERNATIONAL CONFERENCE, GALA 2016, UTRECHT, THE NETHERLANDS, DECEMBER 5-7, 2016, PROCEEDINGS**

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*Springer This book constitutes the refereed proceedings of the 5th International Conference on Games and Learning Alliance, GALA 2016, held in Utrecht, The Netherlands, in December 2016. The 27 revised regular papers presented together with 14 poster papers were carefully reviewed and selected from 55 submissions. The papers cover topics such as games and sustainability; games for math and programming; games and health; games and soft skills; games and management; games and learning; game development and assessment; and mobile games.*

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## **MALWARE DETECTION**

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*Springer Science & Business Media This book captures the state of the art research in the area of malicious code detection, prevention and mitigation. It contains cutting-edge behavior-based techniques to analyze and detect obfuscated malware. The book analyzes current trends in malware activity online, including botnets and malicious code for profit, and it proposes effective models for detection and prevention of attacks using. Furthermore, the book introduces novel techniques for creating services that protect their own integrity and safety, plus the data they manage.*

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## **TECHNOLOGY IN EDUCATION. INNOVATIVE SOLUTIONS AND PRACTICES**

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## **THIRD INTERNATIONAL CONFERENCE, ICTE 2018, HONG KONG, CHINA, JANUARY 9-11, 2018, REVISED SELECTED PAPERS**

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*Springer This book constitutes extended papers from the Third International Conference on Technology in Education, ICTE 2018, held in Hong Kong, China, in January 2018. The 27 full papers presented in this volume were carefully reviewed and selected from 88 submissions. They are organized in topical sections on new learning experience with technologies; mobile learning and flipped classrooms; instructional design and teaching practices; learning administration with technologies.*

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## **XML AND JSON RECIPES FOR SQL SERVER**

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## **A PROBLEM-SOLUTION APPROACH**

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*Apress Quickly find solutions to dozens of common problems encountered while using XML and JSON features that are built into SQL Server. Content is presented in the popular problem-solution format. Look up the problem that you want to solve. Read the solution. Apply the solution directly in your own code. Problem solved! This book shows how to take advantage of XML and JSON to share data and automate tasks. JSON is commonly used to move data back and forth between the database and front-end applications, often running in a browser. This book shows all you need to know about transforming query results into JSON format, and back again. Also covered are the processes and techniques for moving data into and out of XML*

format for business intelligence and other purposes, such as when transferring data from a reporting system into a data warehouse, or between different database brands such as between SQL Server and Oracle. Microsoft intensively implements XML in SQL Server, and in many related products. Execution plans are generated in XML format, and this book shows you how to parse those plans and automate the detection of performance problems. The relatively new Extended Events feature writes tracing data into XML files, and the recipes in this book help in parsing those files. XML is also used in SQL Server's BI tool set, including in SSIS, SSR, and SSAS. XML is used in many configuration files, and is even behind the construction of DDL triggers. In reading this book you'll dive deeply into the features that allow you to build and parse XML, and also JSON, which is a specific format of XML used to transmit objects in a web-friendly format between a database and its front-end applications. What You Will Learn Build XML and JSON objects in support of automation and data transfer Import and parse XML and JSON from operating system files Build appropriate indexes on XML objects to improve query performance Move data from query result sets into JSON format, and back again Automate the detection of database performance problems by querying and parsing the database's own execution plans Replace external and manual JSON processes with SQL Server's internal, JSON functionality Who This Book Is For Database administrators, .NET developers, business intelligence developers, and other professionals who want a deep and detailed skill set around working with XML and JSON in a SQL Server database environment. Web developers will particularly find the book useful for its coverage of transforming database result sets into JSON text that can be transmitted to front-end web applications.

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## **ORACLE DATABASE 10G XML & SQL: DESIGN, BUILD, & MANAGE XML APPLICATIONS IN JAVA, C, C++, & PL/SQL**

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McGraw Hill Professional Written by members of the Oracle XML group, this is a must-have reference for all IT managers, DBAs, and developers who want to learn the best practices for using XML with Oracle's XML-enabled products. Includes real-world case studies based on the authors' experience managing Oracle's XML Discussion Forum--a community of 20,000+ XML component users.

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## **HITCHHIKER'S GUIDE TO SQL SERVER 2000 REPORTING SERVICES**

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Addison-Wesley Professional Provides information on the installation of Microsoft Reporting Services on an SQL Server 2000 system running IIS, covering such topics as accessing data sources, building queries, creating charts, and visual presentation elements.

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## **INTELLIGENT TUTORING SYSTEMS**

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## **ENTITY FRAMEWORK 4.0 RECIPES**

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## **A PROBLEM-SOLUTION APPROACH**

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*Apress Entity Framework 4.0 Recipes provides an exhaustive collection of ready-to-use code solutions for Entity Framework, Microsoft's vision for the future of data access. Entity Framework is a model-centric data access platform with an ocean of new concepts and patterns for developers to learn. With this book, you will learn the core concepts of Entity Framework through a broad range of clear and concise solutions to everyday data access tasks. Armed with this experience, you will be ready to dive deep into Entity Framework, experiment with new approaches, and develop ways to solve even the most difficult data access challenges. If you are a developer who likes to learn by example, then this is the right book for you. Gives ready-to-use, real-world recipes to help you with everyday tasks Provides guideposts for learning core concepts Maps out key landmarks for experimenting with your own solutions*

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## **MICROSOFT SQL SERVER 2008 R2 MASTER DATA SERVICES**

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*McGraw Hill Professional Best Practices for Deploying and Managing Master Data Services (MDS) Effectively manage master data and drive better decision making across your enterprise with detailed instruction from two MDS experts. Microsoft SQL Server 2008 R2 Master Data Services Implementation & Administration shows you how to use MDS to centralize the management of key data within your organization. Find out how to build an MDS model, establish hierarchies, govern data access, and enforce business rules. Legacy system integration and security are also covered. Real-world programming examples illustrate the material presented in this comprehensive guide. Create a process-agnostic solution for managing your business domains Learn how to take advantage of the data modeling capabilities of MDS Manage hierarchies and consolidations across your organization Import data by using SQL Server Integration Services and T-SQL statements Ensure data accuracy and completeness by using business rules and versioning Employ role-based security at functional, object, and attribute levels Design export views and publish data to subscribing systems Use Web services to programmatically interact with your implementation*

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## **PROFESSIONAL MICROSOFT SQL SERVER 2012 ANALYSIS SERVICES WITH MDX AND DAX**

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*John Wiley & Sons Understand Microsoft's dramatically updated new release of its premier toolset for business intelligence The first major update to Microsoft's state-of-the-art, complex toolset for business intelligence (BI) in years is now available and what better way to master it than with this detailed book from key members of the product's development team? If you're a database or data warehouse developer, this is the expert resource you need to build full-scale, multi-dimensional, database applications using Microsoft's new SQL Server 2012 Analysis Services and related tools. Discover how to solve real-world BI problems by leveraging a slew of powerful new Analysis Services features and capabilities. These include the new DAX language, which is a more user-friendly version of MDX; PowerPivot, a new tool for*

performing simplified analysis of data; BISM, Microsoft's new Business Intelligence Semantic Model; and much more. Serves as an authoritative guide to Microsoft's new SQL Server 2012 Analysis Services BI product and is written by key members of the Microsoft Analysis Services product development team Covers SQL Server 2012 Analysis Services, a major new release with a host of powerful new features and capabilities Topics include using the new DAX language, a simplified, more user-friendly version of MDX; PowerPivot, a new tool for performing simplified analysis of data; BISM, Microsoft's new Business Intelligence Semantic Model; and a new, yet-to-be-named BI reporting tool Explores real-world scenarios to help developers build comprehensive solutions Get thoroughly up to speed on this powerful new BI toolset with the timely and authoritative Professional Microsoft SQL Server 2012 Analysis Services with MDX.

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## **SPARK SQL 2.X FUNDAMENTALS AND COOKBOOK**

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### **MORE THAN 35 EXERCISES (EDITION 1.0)**

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HadoopExam Learning Resources Apache Spark is one of the fastest growing technology in BigData computing world. It support multiple programming languages like Java, Scala, Python and R. Hence, many existing and new framework started to integrate Spark platform as well in their platform e.g. Hadoop, Cassandra, EMR etc. While creating Spark certification material HadoopExam technical team found that there is no proper material and book is available for the Spark SQL (version 2.x) which covers the concepts as well as use of various features and found difficulty in creating the material. Therefore, they decided to create full length book for Spark SQL and outcome of that is this book. In this book technical team try to cover both fundamental concepts of Spark SQL engine and many exercises approx. 35+ so that most of the programming features can be covered. There are approximately 35 exercises and total 15 chapters which covers the programming aspects of SparkSQL. All the exercises given in this book are written using Scala. However, concepts remain same even if you are using different programming language.

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## **TRANSACT-SQL COOKBOOK**

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"O'Reilly Media, Inc." This guide contains a wealth of solutions to problems that SQL Server programmers face. The recipes in the book range from those that show how to perform simple tasks to ones that are more complicated.

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## **JAVA EE 7 RECIPES**

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### **A PROBLEM-SOLUTION APPROACH**

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Apress Java EE 7 Recipes takes an example-based approach in showing how to program Enterprise Java applications in many different scenarios. Be it a small-business web application, or an enterprise database application, Java EE 7 Recipes provides effective and proven solutions to accomplish just about any task that you may encounter. You can feel confident using the reliable solutions that are demonstrated in this book in your personal or corporate environment. The solutions in Java EE 7 Recipes are built using the most current Java Enterprise specifications,

including EJB 3.2, JSF 2.2, Expression Language 3.0, Servlet 3.1, and JMS 2.0. While older technologies and frameworks exist, it is important to be forward-looking and take advantage of all that the latest technologies offer. Rejuvenate your Java expertise to use the freshest capabilities, or perhaps learn Java Enterprise development for the first time and discover one of the most widely used and most powerful platforms available for application development today. Let Java EE 7 Recipes show you the way by showing how to build streamlined and reliable applications much faster and easier than ever before by making effective use of the latest frameworks and features on offer in the Java EE 7 release. Shows off the most current Java Enterprise Edition technologies. Provides solutions to creating sophisticated user interfaces. Demonstrates proven solutions for effective database access.

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## REAL SQL QUERIES

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### 50 CHALLENGES

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Createspace Independent Publishing Platform *Sharpen your SQL Skill with Real-World Practice*. Queries improve when challenges are authentic. This book sets your learning on the fast track with realistic problems to solve. Topics span sales, marketing, human resources, purchasing, and production. *Real SQL Queries: 50 Challenges* is perfect for analysts, report writers, or anyone searching for a hands-on approach to learning SQL Server. Why this Book? Get Started Quickly. All challenges are based on AdventureWorks2012, Microsoft's universally-accessible sample database. AdventureWorks is free to download and intuitive to explore. Solve Real Problems. Studying concepts is useful, but nothing accelerates skill faster than a hands-on, problem-solution approach. Learn by Example. Every challenge includes a fully documented solution. Lots of Helping Hands. Not sure how to begin? Each question includes a hint to set you in the right direction. Something for Everyone. Difficulty varies from challenge to challenge; it's truly a mixed bag. Freshen your Technique. Solutions exhibit a wide range of functions and approaches, so you're sure to find something new. Your Teaching Companion. Ready-to-go material for SQL tutors, trainers, and college professors. Preview of Challenges to Solve: Year over Year Comparisons: An executive requests data concerning fiscal quarter sales by salesperson. She'd like to see comparisons from the fiscal quarters of 2008 to the same fiscal quarters of 2007. Ten Million Dollar Benchmark: Ten million dollars of revenue is a common benchmark for Adventure Works. For each fiscal year (2007 and 2008) find the first dates when the cumulative running revenue total hit \$10 million. Expired Credit Cards: The Accounting department found instances where expired credit cards were used with sales orders. You are asked examine all credit cards and report the extent of such activity. The Mentors: The Vice President of Sales wants the five most successful sales people to mentor the five least successful sales people. Create a list of sales people to match with one another. Online/Offline: Create a summary table that shows, by territory, the percentage of orders placed online in comparison to orders not placed online. The Second Edition includes more material than before. Contrary to the book's title, there are now 55 challenges to solve!

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## **AN APPROACH FOR GUIDING DEVELOPERS TO PERFORMANCE AND SCALABILITY SOLUTIONS**

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*KIT Scientific Publishing*

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### **MICROSOFT SQL SERVER 2012 MASTER DATA SERVICES 2/E**

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*McGraw Hill Professional Deploy and Maintain an Integrated MDS Architecture Harness your master data and grow revenue while reducing administrative costs. Thoroughly revised to cover the latest MDS features, Microsoft SQL Server 2012 Master Data Services, Second Edition shows how to implement and manage a centralized, customer-focused MDS framework. See how to accurately model business processes, load and cleanse data, enforce business rules, eliminate redundancies, and publish data to external systems. Security, SOA and Web services, and legacy data integration are also covered in this practical guide. Install Microsoft SQL Server 2012 Master Data Services Build custom MDS models and entityspecific staging tables Load and cleanse data from disparate sources Logically group assets into collections and hierarchies Ensure integrity using versioning and business rules Configure security at functional, object, and attribute levels Extend functionality with SOA and Web services Facilitate collaboration using the MDS Excel Add-In Export data to subscribing systems through SQL views*

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### **PROFESSIONAL MICROSOFT SQL SERVER 2008 INTEGRATION SERVICES**

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*John Wiley & Sons The new edition of the successful previous version is 25 percent revised and packed with more than 200 pages of new material on the 2008 release of SQL Server Integration Services (SSIS) Renowned author Brian Knight and his expert coauthors show developers how to master the 2008 release of SSIS, which is both more powerful and more complex than ever Case studies and tutorial examples acquired over the three years since the previous edition will contribute to helping illustrate advanced concepts and techniques New chapters include coverage of data warehousing using SSIS, new methods for managing the SSIS platform, and improved techniques for ETL operations*

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### **ORACLE PL/SQL BEST PRACTICES**

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#### **WRITE THE BEST PL/SQL CODE OF YOUR LIFE**

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*"O'Reilly Media, Inc." In this compact book, Steven Feuerstein, widely recognized as one of the world's leading experts on the Oracle PL/SQL language, distills his many years of programming, teaching, and writing about PL/SQL into a set of best practices-recommendations for developing successful applications. Covering the latest Oracle release, Oracle Database 11gR2, Feuerstein has rewritten this new edition in the style of his bestselling Oracle PL/SQL Programming. The text is organized in a problem/solution format, and chronicles the programming exploits of developers at a mythical company called My Flimsy Excuse, Inc., as they write code, make mistakes, and learn from those mistakes-and each other. This book offers*

*practical answers to some of the hardest questions faced by PL/SQL developers, including: What is the best way to write the SQL logic in my application code? How should I write my packages so they can be leveraged by my entire team of developers? How can I make sure that all my team's programs handle and record errors consistently? Oracle PL/SQL Best Practices summarizes PL/SQL best practices in nine major categories: overall PL/SQL application development; programming standards; program testing, tracing, and debugging; variables and data structures; control logic; error handling; the use of SQL in PL/SQL; building procedures, functions, packages, and triggers; and overall program performance. This book is a concise and entertaining guide that PL/SQL developers will turn to again and again as they seek out ways to write higher quality code and more successful applications. "This book presents ideas that make the difference between a successful project and one that never gets off the ground. It goes beyond just listing a set of rules, and provides realistic scenarios that help the reader understand where the rules come from. This book should be required reading for any team of Oracle database professionals." --Dwayne King, President, KRIDAN Consulting*

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## **USER MODELING, ADAPTATION, AND PERSONALIZATION**

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### **18TH INTERNATIONAL CONFERENCE, UMAP 2010, BIG ISLAND, HI, USA, JUNE 20-24, 2010, PROCEEDINGS**

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*Springer Science & Business Media The LNCS series reports state-of-the-art results in computer science research, development, and education, at a high level and in both printed and electronic form. Enjoying tight cooperation with the R&D community, with numerous individuals, as well as with prestigious organizations and societies, LNCS has grown into the most comprehensive computer science research forum available. The scope of LNCS, including its subseries LNAI and LNBI, spans the whole range of computer science and information technology including interdisciplinary topics in a variety of application fields. In parallel to the printed book, each new volume is published electronically in LNCS Online. Detailed information on LNCS can be found at [www.springer.com/lncs](http://www.springer.com/lncs) Proposals for publication should be sent to LNCS Editorial, Tiergartenstr. 17, 69121 Heidelberg, Germany E-mail: [lncs@springer.com](mailto:lncs@springer.com)*

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## **MICROSOFT SHAREPOINT 2010 ADMINISTRATION**

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### **REAL WORLD SKILLS FOR MCITP CERTIFICATION AND BEYOND (EXAM 70-668)**

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*John Wiley & Sons*

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## **NEW FRONTIERS IN APPLIED ARTIFICIAL INTELLIGENCE**

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### **21ST INTERNATIONAL CONFERENCE ON INDUSTRIAL, ENGINEERING AND OTHER APPLICATIONS OF APPLIED INTELLIGENT SYSTEMS, IEA/AIE 2008 WROCLAW, POLAND, JUNE 18-20, 2008, PROCEEDINGS**

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*Springer Science & Business Media This book constitutes the refereed proceedings of*

*the 21st International Conference on Industrial and Engineering Applications of Artificial Intelligence and Expert Systems, IEA/AIE 2008, held in Wroclaw, Poland, in June 2008. The 75 revised full papers presented were carefully reviewed and selected from 302 submissions. The papers are organized in topical sections on computer vision, fuzzy system applications, robot and manufacturing, data mining and KDS, neural networks, machine learning, natural language processing, internet application and education, heuristic search, application systems, agent-based system, evolutionary and genetic algorithms, knowledge management, and other applications. The book concludes with 15 contributions from the following special sessions: knowledge driven manufacturing systems, joint session on adaptive networked systems and fuzzy knowledge bases, and software agents and multi-agent systems.*

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## **INTELLIGENT TUTORING SYSTEMS**

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### **9TH INTERNATIONAL CONFERENCE ON INTELLIGENT TUTORING SYSTEMS, ITS 2008, MONTREAL, CANADA, JUNE 23-27, 2008, PROCEEDINGS**

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*Springer This book constitutes the refereed proceedings of the 9th International Conference on Intelligent Tutoring Systems, ITS 2008, held in Montreal, Canada, in June 2008. The 63 revised full papers and 61 poster papers presented together with abstracts of 5 keynote talks were carefully reviewed and selected from 207 submissions. The papers are organized in topical sections on emotion and affect, tutor evaluation, student modeling, machine learning, authoring tools, tutor feedback and intervention, data mining, e-learning and Web-based ITS, natural language techniques and dialogue, narrative tutors and games, semantic Web and ontology, cognitive models, and collaboration.*

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## **ASP.NET CORE RECIPES**

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### **A PROBLEM-SOLUTION APPROACH**

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*Apress Quickly find solutions to common web development problems. Content is presented in the popular problem-solution format. Look up the problem that you want to solve. Read the solution. Apply the solution directly in your own code. Problem solved! ASP.NET Core Recipes is a practical guide for developers creating modern web applications, cutting through the complexities of ASP.NET, jQuery, React, and HTML5 to provide straightforward solutions to common web development problems using proven methods based on best practices. The problem-solution approach gets you in, out, and back to work quickly while deepening your understanding of the underlying platform and how to develop with it. Author John Ciliberti guides you through the MVC framework and development tools, presenting typical challenges, along with code solutions and clear, concise explanations, to accelerate application development. Solve problems immediately by pasting in code from the recipes, or put multiple recipe solutions together to overcome challenging development obstacles. What You'll Learn Take advantage of MVC's streamlined syntax Discover how to take full control over HTML Develop a simple API for creating*

*RESTful web services Understand test-driven development Migrate a project from ASP.NET web forms to Core MVC, including recipes for converting DataGrids, Forms, Web Parts, Master Pages, and navigation controls Use Core MVC in combination with popular JavaScript libraries, including jQuery, React, Bootstrap, and more Write unit tests for your MVC controllers, views, custom filters, and HTML helpers Utilize the latest features in Visual Studio 2017 to accelerate your Core MVC projects Identify performance bottlenecks in your MVC application Who This Book Is For Web developers of all skill levels who are looking for a programming reference for ASP.NET Core MVC and would like to gain an understanding of the inner workings of the platform. In addition, parts of this book provide guidance to developers familiar with ASP.NET Web Forms who would like to update their skill set to include Core MVC.*

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## **PHP 5 IN PRACTICE**

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*Pearson Education With the release of PHP 5 web developers need a guide to developing with PHP 5 to both learn its complex new features and more fully implement the long-standing features on which PHP's success is built. PHP 5 in Practice is a reference guide that provides developers with easy-to-use and easily extensible code to solve common PHP problems. It focuses on providing real code solutions to problems, allowing the reader to learn by seeing exactly what is happening behind the scenes to get your solution. Because a real-life situation will rarely match the book's example problems precisely, PHP 5 in Practice explains the solution well enough that you will understand it and can learn how to truly solve your own problem.*