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SAS Certified Professional Prep Guide

Beginning T-SQL 2012

Visual Analytics with Tableau

Querying Databricks with Spark SQL

Data Analytics: Principles, Tools, and Practices

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Beginning T-SQL is a performance-oriented introduction to the T-SQL language underlying the Microsoft SQL Server database engine. T-SQL is essential in writing SQL statements to get data into and out of a database. T-SQL is the foundation for business logic embedded in the database in the form of stored procedures and functions. Beginning T-SQL starts you on the path to mastering T-SQL, with an emphasis on best-practices and sound coding techniques leading to excellent performance. This new edition is updated to cover the essential features of T-SQL found in SQL Server 2014, 2012, and 2008. Beginning T-SQL begins

with an introduction to databases, normalization, and to SQL Server Management Studio. Attention is given to Azure SQL Database and how to connect to remote databases in the cloud. Each subsequent chapter teaches an aspect of T-SQL, building on the skills learned in previous chapters. Exercises in most chapters provide an opportunity for the hands-on practice that leads to true learning and distinguishes the competent professional. Important techniques such as windowing functions are covered to help write fast executing queries that solve real business problems. A stand-out feature in this book is that most chapters end with a "Thinking About Performance" section. These sections cover aspects of query performance relative to the content just presented. They'll help you avoid beginner mistakes by knowing about and thinking about performance from Day 1. Imparts best practices for writing T-SQL Helps you avoid common errors Shows

how to write scalable code for good performance

Beginning T-SQL 2012 John Wiley & Sons

Create dynamic dashboards to bring interactive data visualization to your enterprise using Qlik Sense Key Features Implement various Qlik Sense features to create interactive dashboards Analyze data easily and make business decisions faster using Qlik Sense Perform self-service data analytics and geospatial analytics using an example-based approach Book Description Qlik Sense allows you to explore simple-to-complex data to reveal hidden insights and data relationships to make business-driven decisions. Hands-On Business Intelligence with Qlik Sense begins by helping you get to grips with underlying Qlik concepts and gives you an overview of all Qlik Sense's features. You will learn advanced modeling techniques and learn how to analyze the data loaded using a variety of visualization objects. You'll also be trained on how to share apps through Qlik Sense Enterprise and Qlik Sense Cloud and how to perform aggregation with AGGR. As you progress through the chapters, you'll explore the stories feature to create data-driven presentations and update an existing story. This book will guide you through the GeoAnalytics feature with the geo-mapping object and GeoAnalytics connector. Furthermore, you'll learn about the self-service analytics features and perform data forecasting using advanced analytics. Lastly, you'll deploy Qlik Sense apps for mobile and tablet. By the end of this book, you will be well-equipped to run successful business intelligence applications using Qlik Sense's functionality, data modeling techniques, and visualization best practices. What you will learn Discover how to load, reshape, and model data for analysis Apply data

visualization practices to create stunning dashboards Make use of Python and R for advanced analytics Perform geo-analysis to create visualizations using native objects Learn how to work with AGGR and data stories Who this book is for If you're a data analyst, BI developer, or interested in business intelligence and want to gain practical experience of working on Qlik Sense, this book is for you. You'll also find it useful if you want to explore Qlik Sense's next-generation applications for self-service business intelligence. No prior experience of working with Qlik Sense is required.

Visual Analytics with Tableau Packt Publishing Ltd

Let Hadoop For Dummies help harness the power of your data and rein in the information overload Big data has become big business, and companies and organizations of all sizes are struggling to find ways to retrieve valuable information from their massive data sets with becoming overwhelmed. Enter Hadoop and this easy-to-understand For Dummies guide. Hadoop For Dummies helps readers understand the value of big data, make a business case for using Hadoop, navigate the Hadoop ecosystem, and build and manage Hadoop applications and clusters. Explains the origins of Hadoop, its economic benefits, and its functionality and practical applications Helps you find your way around the Hadoop ecosystem, program MapReduce, utilize design patterns, and get your Hadoop cluster up and running quickly and easily Details how to use Hadoop applications for data mining, web analytics and personalization, large-scale text processing, data science, and problem-solving Shows you how to improve the value of your Hadoop cluster, maximize your investment in Hadoop, and avoid common pitfalls when building your Hadoop

cluster From programmers challenged with building and maintaining affordable, scalable data systems to administrators who must deal with huge volumes of information effectively and efficiently, this how-to has something to help you with Hadoop.

Querying Databricks with Spark SQL BPB Publications

A practical guide to using Spark SQL to perform complex queries on your Databricks data **KEY FEATURES** ● Learn SQL from the ground up, with no prior programming or SQL knowledge required. ● Progressively build your knowledge and skills, from basic data querying to complex analytics. ● Gain hands-on experience with SQL, covering all levels of knowledge from novice to expert. **DESCRIPTION** Databricks stands out as a widely embraced platform dedicated to the creation of data lakes. Within its framework, it extends support to a specialized version of Structured Query Language (SQL) known as Spark SQL. If you are interested in learning more about how to use Spark SQL to analyze data in a data lake, then this book is for you. The book covers everything from basic queries to complex data-processing tasks. It begins with an introduction to SQL and Spark. It then covers the basics of SQL, including data types, operators, and clauses. The next few chapters focus on filtering, aggregation, and calculation. Additionally, it covers dates and times, formatting output, and using logic in your queries. It also covers joining tables, subqueries, derived tables, and common table expressions. Additionally, it discusses correlated subqueries, joining and filtering datasets, using SQL in calculations, segmenting and classifying data, rolling analysis, and analyzing data over time. The book concludes with a chapter on advanced data presentation. By the end of the book, you will be able to use

Spark SQL to perform complex data analysis tasks on data lakes. **WHAT YOU WILL LEARN** ● Use Spark SQL to read data from a data lake. ● Learn how to filter, aggregate, and calculate data using Spark SQL. ● Learn how to join tables, use subqueries, and create derived tables in Spark SQL. ● Analyze data over time using Spark SQL to track trends and identify patterns in data. ● Present data in a visually appealing way using Spark SQL. **WHO THIS BOOK IS FOR** This book is for anyone who wants to learn how to use SQL to analyze big data. Whether you are a data analyst, student, database developer, accountant, business analyst, data scientist, or anyone else who needs to extract insights from large datasets, this book will teach you the skills you need to get the job done. **TABLE OF CONTENTS** 1. Writing Basic SQL Queries 2. Filtering Data 3. Applying Complex Filters to Queries 4. Simple Calculations 5. Aggregating Output 6. Working with Dates in Databricks 7. Formatting Text in Query Output 8. Formatting Numbers and Dates 9. Using Basic Logic to Enhance Analysis 10. Using Multiple Tables When Querying Data 11. Using Advanced Table Joins 12. Subqueries 13. Derived Tables 14. Common Table Expressions 15. Correlated Subqueries 16. Datasets Manipulation 17. Using SQL for More Advanced Calculations 18. Segmenting and Classifying Data 19. Rolling Analysis 20. Analyzing Data Over Time 21. Complex Data Output *Data Analytics: Principles, Tools, and Practices* John Wiley & Sons The official guide by the SAS Global Certification Program, SAS Certified Professional Prep Guide: Advanced Programming Using SAS 9.4 prepares you to take the new SAS 9.4 Advanced Programming Performance-Based Exam. New in this edition is a workbook whose sample scenarios require you to write code to

solve problems and answer questions. Answers to the chapter quizzes and solutions to the sample scenarios in the workbook are included. You will also find links to exam objectives, practice exams, and other resources such as the Base SAS Glossary and a list of practice data sets. Major topics include SQL processing, SAS macro language processing, and advanced SAS programming techniques. All exam topics are covered in the following chapters: SQL Processing with SAS PROC SQL Fundamentals Creating and Managing Tables Joining Tables Using PROC SQL Joining Tables Using Set Operators Using Subqueries Advanced SQL Techniques SAS Macro Language Processing Creating and Using Macro Variables Storing and Processing Text Working with Macro Programs Advanced Macro Techniques Advanced SAS Programming Techniques Defining and Processing Arrays Processing Data Using Hash Objects Using SAS Utility Procedures Using Advanced Functions Practice Programming Scenarios (Workbook)

Springer Nature

Presents a guide to writing effective SQL queries, from simple data selection and filtering to joining multiple tables and modifying sets of data, with information on how to solve a variety of challenging SQL problems.

Pro Oracle SQL Development John Wiley & Sons

Preparing For RRB JE 2019 Exam? Don't forget to practice with E-Study Notes of CS & IT & Allied Engineering of prominent recruitment exams of the Railway sector as this chance can make or break your deal of clearing RRB JE 2019. Adda247 Publications brings to you RRB JE Stage-II E-Study Notes of CS & IT & Allied Engineering (English Medium) that you must practice before you

appear for the RRB JE Stage-II Exam 2019. Package Includes: 11 chapters of CS & IT Validity: 1 month

SQL QuickStart Guide BPB Publications

Learn how to use R to turn raw data into insight, knowledge, and understanding. This book introduces you to R, RStudio, and the tidyverse, a collection of R packages designed to work together to make data science fast, fluent, and fun. Suitable for readers with no previous programming experience, R for Data Science is designed to get you doing data science as quickly as possible.

Authors Hadley Wickham and Garrett Grolemund guide you through the steps of importing, wrangling, exploring, and modeling your data and communicating the results. You'll get a complete, big-picture understanding of the data science cycle, along with basic tools you need to manage the details. Each section of the book is paired with exercises to help you practice what you've learned along the way. You'll learn how to:

Wrangle—transform your datasets into a form convenient for analysis

Program—learn powerful R tools for solving data

problems with greater clarity and ease

Explore—examine your data, generate hypotheses, and quickly test them

Model—provide a low-dimensional summary that captures true "signals" in your dataset

Communicate—learn R Markdown for integrating prose, code, and results

PROC SQL Fundamentals of Data Science

Connecting the object-oriented world of .NET to the relational world of databases has always been fiddly but with the onset of ORMs such as NHibernate, developers have finally got some relief in this area. You will begin with a bird's eye view of NHibernate, touching upon its core concepts. You will define domain model

and map it with database schema using different techniques. You will then look into multiple ways of storing domain entities in a database and learn important concepts such as transitive persistence, transactions and unit of work. This will be followed by retrieving data from database. Next, you will optimize your code, explore concepts such as the onion architecture, and learn where NHibernate fits best in an application's architecture. After introducing a well-known repository pattern into our application, you will learn to deal with legacy databases. We will conclude with infrequently used features such as stateless sessions, the second level cache, concurrency, and so on, which might come handy.

Visual Studio Code John Wiley & Sons

Focus on the most important and most often overlooked factor in a successful Tableau project—data. Without a reliable data source, you will not achieve the results you hope for in Tableau. This book does more than teach the mechanics of data preparation. It teaches you: how to look at data in a new way, to recognize the most common issues that hinder analytics, and how to mitigate those factors one by one. Tableau can change the course of business, but the old adage of "garbage in, garbage out" is the hard truth that hides behind every Tableau sales pitch. That amazing sales demo does not work as well with bad data. The unfortunate reality is that almost all data starts out in a less-than-perfect state. Data prep is hard. Traditionally, we were forced into the world of the database where complex ETL (Extract, Transform, Load) operations created by the data team did all the heavy lifting for us. Fortunately, we have moved past those days. With the introduction of the Tableau Data Prep tool

you can now handle most of the common Data Prep and cleanup tasks on your own, at your desk, and without the help of the data team. This essential book will guide you through: The layout and important parts of the Tableau Data Prep tool Connecting to data Data quality and consistency The shape of the data. Is the data oriented in columns or rows? How to decide? Why does it matter? What is the level of detail in the source data? Why is that important? Combining source data to bring in more fields and rows Saving the data flow and the results of our data prep work Common cleanup and setup tasks in Tableau Desktop What You Will Learn Recognize data sources that are good candidates for analytics in Tableau Connect to local, server, and cloud-based data sources Profile data to better understand its content and structure Rename fields, adjust data types, group data points, and aggregate numeric data Pivot data Join data from local, server, and cloud-based sources for unified analytics Review the steps and results of each phase of the Data Prep process Output new data sources that can be reviewed in Tableau or any other analytics tool Who This Book Is For Tableau Desktop users who want to: connect to data, profile the data to identify common issues, clean up those issues, join to additional data sources, and save the newly cleaned, joined data so that it can be used more effectively in Tableau

The Fundamentals of People Analytics "O'Reilly Media, Inc." Covering Microsoft's brand-new SQL 2005 administrator exam, this study guide walks you through setting up, maintaining, and troubleshooting database solutions. You'll review key topics such as defining high-availability solutions, automating administrative tasks, defining security solutions, monitoring and troubleshooting

the database server, and designing and executing deployments. Plus, the CD-ROM features leading exam prep software with an assessment test, test engine of case study practice questions, and electronic flashcards.

SQL Server 2005 Bible BPB Publications

Master Oracle Database 12c PL/SQL Application Development Develop, debug, and administer robust database programs. Filled with detailed examples and expert strategies from an Oracle ACE, Oracle Database 12c PL/SQL Programming explains how to retrieve and process data, write PL/SQL statements, execute effective queries, incorporate PHP and Java, and work with dynamic SQL. Code testing, security, and object-oriented programming techniques are fully covered in this comprehensive Oracle Press guide. Explore new SQL and PL/SQL features in Oracle Database 12c Build control structures, cursors, and loop statements Work with collections, varrays, tables, and associative array collections Locate and repair errors and employ exception handlers Execute black box, white box, and integration tests Configure and manage stored packages and libraries Handle security with authentication and encryption Use LOBs to store text and multimedia content Write and implement PL/SQL and Java triggers Extend functionality using dynamic SQL statements Understand object types, nested tables, and unnesting queries

RRB JE Stage-II CS & IT Study Notes eBook English Medium (RRB JE Special) net-boss

Explore Raspberry Pi's architecture through innovative and fun projects About This Book Explore Raspberry Pi 2's hardware through the Assembly, C/C++, and Python programming languages Experiment with connecting electronics up to your

Raspberry Pi 2 and interacting with them through software Learn about the Raspberry Pi 2 architecture and Raspbian operating system through innovative projects Who This Book Is For Raspberry Pi Computer Architecture Essentials is for those who are new and those who are familiar with the Raspberry Pi. Each topic builds upon earlier ones to provide you with a guide to Raspberry Pi's architecture. From the novice to the expert, there is something for everyone. A basic knowledge of programming and Linux would be helpful but is not required. What You Will Learn Set up your Raspberry Pi 2 and learn about its hardware Write basic programs in Assembly Language to learn about the ARM architecture Use C and C++ to interact with electronic components Find out about the Python language and how to use it to build web applications Interact with third-party microcontrollers Experiment with graphics and audio programming Expand Raspberry Pi 2's storage mechanism by using external devices Discover Raspberry Pi 2's GPIO pins and how to interact with them In Detail With the release of the Raspberry Pi 2, a new series of the popular compact computer is available for you to build cheap, exciting projects and learn about programming. In this book, we explore Raspberry Pi 2's hardware through a number of projects in a variety of programming languages. We will start by exploring the various hardware components in detail, which will provide a base for the programming projects and guide you through setting up the tools for Assembler, C/C++, and Python. We will then learn how to write multi-threaded applications and Raspberry Pi 2's multi-core processor. Moving on, you'll get hands on by expanding the storage options of the Raspberry Pi beyond the SD card and

interacting with the graphics hardware. Furthermore, you will be introduced to the basics of sound programming while expanding upon your knowledge of Python to build a web server. Finally, you will learn to interact with the third-party microcontrollers. From writing your first Assembly Language application to programming graphics, this title guides you through the essentials. Style and approach This book takes a step-by-step approach to exploring Raspberry Pi's architecture through projects that build upon each other. Each project provides you with new information on how to interact with an aspect of the Raspberry Pi and Raspbian operating system, providing a well-rounded guide.

Learn SQL Database Programming McGraw Hill Professional Learn everything you need to know to build efficient SQL queries using this easy-to-follow beginner's guide Key Features Explore all SQL statements in depth using a variety of examples Get to grips with database querying, data aggregate, manipulation, and much more Understand how to explore and process data of varying complexity to tell a story Book Description SQL is a powerful querying language that's used to store, manipulate, and retrieve data, and it is one of the most popular languages used by developers to query and analyze data efficiently. If you're looking for a comprehensive introduction to SQL, *Learn SQL Database Programming* will help you to get up to speed with using SQL to streamline your work in no time. Starting with an overview of relational database management systems, this book will show you how to set up and use MySQL Workbench and design a database using practical examples. You'll also discover how to query and manipulate data with SQL programming using MySQL Workbench. As you advance, you'll create a database, query

single and multiple tables, and modify data using SQL querying. This SQL book covers advanced SQL techniques, including aggregate functions, flow control statements, error handling, and subqueries, and helps you process your data to present your findings. Finally, you'll implement best practices for writing SQL and designing indexes and tables. By the end of this SQL programming book, you'll have gained the confidence to use SQL queries to retrieve and manipulate data. What you will learn Install, configure, and use MySQL Workbench to restore a database Explore different data types such as string, numeric, and date and time Query a single table using the basic SQL SELECT statement and the FROM, WHERE, and ORDER BY clauses Query multiple tables by understanding various types of table relationships Modify data in tables using the INSERT, UPDATE, and DELETE statements Use aggregate functions to group and summarize data Detect bad data, duplicates, and irrelevant values while processing data Who this book is for This book is for business analysts, SQL developers, database administrators, and students learning SQL. If you want to learn how to query and manipulate SQL data for database administration tasks or simply extract and organize relevant data for analysis, you'll find this book useful. No prior SQL experience is required.

Prepare Your Data for Tableau Packt Publishing Ltd

Learning real-world analytics using SQL KEY FEATURES ● Hands-on approach to learning the fundamentals of data analysis ● Covers all levels of SQL expertise from novice to master with examples ● Includes techniques and approaches to query complex databases more effectively DESCRIPTION This book will take you on an interactive journey to master SQL querying from

the most fundamental to the most advanced level using various T-SQL techniques to provide meaningful insights from your SQL Server data. The book begins with an introduction to the fundamental concepts of both SQL and SQL Server. It then guides readers through the process of building queries, using simple and then more complex table joins and progressively more advanced data filtering, to deliver advanced queries based on a variety of SQL techniques. The reader will understand how to deliver relevant and trustworthy analysis of the data through learning how to apply fundamental computations in T-SQL, relational logic, and how to group and aggregate data. There is also coverage of other SQL concepts, such as formatting queries, writing subqueries, creating derived tables, joining and filtering tables, etc. In addition to that, the book discusses how to conduct rolling analyses, examine time-series data, and manage large and complex datasets. After finishing the book, readers won't merely be able to write complex queries; rather, they will be able to construct their methodology for analysing relational datasets and arriving at the desired insights. **WHAT YOU WILL LEARN** ● Analyze data using simple math and logic, multiple filters, and data aggregation. ● Become proficient with table expressions, subqueries, and writing complex computations. ● Perform rolling analysis and time series analysis using advanced methods. ● Review SQL concepts such as table joins, data filtering, query structuring, and table derivation. **WHO THIS BOOK IS FOR** This book is for data professionals, such as database developers, SQL developers, data analysts, and BI experts, who wish to construct complex queries and extract the desired analytics from their datasets. The book also encourages smart new learners to learn

SQL and use it right away in their first jobs. **TABLE OF CONTENTS**
1. Writing Basic SQL Queries 2. Using Multiple Tables When Querying Data 3. Using Advanced Table Joins 4. Filtering Data 5. Applying Complex Filters to Queries 6. Making Simple Calculations 7. Aggregating Output 8. Working with Dates in SQL Server 9. Formatting Text in Query Output 10. Formatting Numbers and Dates 11. Using Basic Logic to Enhance Analysis 12. Subqueries 13. Derived Tables 14. Common Table Expressions 15. Correlated Subqueries 16. Dataset Manipulation 17. Using SQL for More Advanced Calculations 18. Segmenting and Classifying Data 19. Rolling Analysis 20. Analyzing Data Over Time 21. Complex Data Output
TOP 30 SQL Interview Coding Tasks Addison-Wesley Professional
A Complete Data Analytics Guide for Learners and Professionals.
KEY FEATURES ● Learn Big Data, Hadoop Architecture, HBase, Hive and NoSQL Database. ● Dive into Machine Learning, its tools, and applications. ● Coverage of applications of Big Data, Data Analysis, and Business Intelligence. **DESCRIPTION** These days critical problem solving related to data and data sciences is in demand. Professionals who can solve real data science problems using data science tools are in demand. The book “Data Analytics: Principles, Tools, and Practices” can be considered a handbook or a guide for professionals who want to start their journey in the field of data science. The journey starts with the introduction of DBMS, RDBMS, NoSQL, and DocumentDB. The book introduces the essentials of data science and the modern ecosystem, including the important steps such as data ingestion, data munging, and visualization. The book covers the different types of analysis, different Hadoop ecosystem tools like Apache

Spark, Apache Hive, R, MapReduce, and NoSQL Database. It also includes the different machine learning techniques that are useful for data analytics and how to visualize data with different graphs and charts. The book discusses useful tools and approaches for data analytics, supported by concrete code examples. After reading this book, you will be motivated to explore real data analytics and make use of the acquired knowledge on databases, BI/DW, data visualization, Big Data tools, and statistical science.

WHAT YOU WILL LEARN

- Familiarize yourself with Apache Spark, Apache Hive, R, MapReduce, and NoSQL Database.
- Learn to manage data warehousing with real time transaction processing.
- Explore various machine learning techniques that apply to data analytics.
- Learn how to visualize data using a variety of graphs and charts using real-world examples from the industry.
- Acquaint yourself with Big Data tools and statistical techniques for machine learning.

WHO THIS BOOK IS FOR IT graduates, data engineers and entry-level professionals who have a basic understanding of the tools and techniques but want to learn more about how they fit into a broader context are encouraged to read this book.

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1. Database Management System
2. Online Transaction Processing and Data Warehouse
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10. Advanced Concepts to Machine Learning
11. Application of Machine Learning

Oracle Database 12c PL/SQL Programming Peachpit Press
Best practices and expert techniques for even the most

demanding MySQL-driven PHP applications PHP is the world's most popular, general-purpose, open-source scripting language and MySQL is the world's most popular open-source database. This expert-level book begins with a brief overview of the two technologies and quickly moves on to coverage of advanced programming techniques, as well as the exciting new features of the PHP 5.3 release. Written by three of PHP and MySQL experts and veteran authors, this resource focuses on best practices and expert techniques that can be applied to the most difficult MySQL-driven PHP applications. The authors share design patterns and tools that they themselves have tested in order to save you valuable time usually spent on figuring things out via trial and error. Reveals best practices and advanced techniques for handling challenges you may face with MySQL-driven PHP apps Reviews practical data reporting techniques for separating business logic from presentation Explains how to obtain improved performance and flexibility through caching, multi-tasking, PHP extensions, and MySQL user defined functions Discusses security, optimization, and debugging Shares author-tested design patterns and tools to save you time and effort Packed with helpful examples and indispensable advice, this book shares tips and tricks that you can immediately apply to your projects.

The Unified Star Schema: An Agile and Resilient Approach to Data Warehouse and Analytics Design Apress

Fundamentals of Data Science is designed for students, academicians and practitioners with a complete walkthrough right from the foundational groundwork required to outlining all the concepts, techniques and tools required to understand Data Science. Data Science is an umbrella term for the non-traditional

techniques and technologies that are required to collect, aggregate, process, and gain insights from massive datasets. This book offers all the processes, methodologies, various steps like data acquisition, pre-process, mining, prediction, and visualization tools for extracting insights from vast amounts of data by the use of various scientific methods, algorithms, and processes Readers will learn the steps necessary to create the application with SQL, NoSQL, Python, R, Matlab, Octave and Tableau. This book provides a stepwise approach to building solutions to data science applications right from understanding the fundamentals, performing data analytics to writing source code. All the concepts are discussed in simple English to help the community to become Data Scientist without much pre-requisite knowledge. Features : Simple strategies for developing statistical models that analyze data and detect patterns, trends, and relationships in data sets. Complete roadmap to Data Science approach with dedicated sections which includes Fundamentals, Methodology and Tools. Focussed approach for learning and practice various Data Science Tools with Sample code and examples for practice. Information is presented in an accessible way for students, researchers and academicians and professionals.

Hands-On SAS for Data Analysis Packt Publishing Ltd

The #1 Easy, Common-Sense Guide to SQL Queries—Updated with More Advanced Techniques and Solutions Foreword by Keith W. Hare, Vice Chair, USA SQL Standards Committee SQL Queries for Mere Mortals has earned worldwide praise as the clearest, simplest tutorial on writing effective queries with the latest SQL standards and database applications. Now, author John L. Viescas

has updated this hands-on classic with even more advanced and valuable techniques. Step by step, Viescas guides you through creating reliable queries for virtually any current SQL-based database. He demystifies all aspects of SQL query writing, from simple data selection and filtering to joining multiple tables and modifying sets of data. Building on the basics, Viescas shows how to solve challenging real-world problems, including applying multiple complex conditions on one table, performing sophisticated logical evaluations, and using unlinked tables to think “outside the box.” In two brand-new chapters, you learn how to perform complex calculations on groups for sophisticated reporting, and how to partition data into windows for more flexible aggregation. Practice all you want with downloadable sample databases for today’s versions of Microsoft Office Access, Microsoft SQL Server, and the open source MySQL and PostgreSQL databases. Whether you’re a DBA, developer, user, or student, there’s no better way to master SQL. 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 NEW! Using advanced GROUP BY keywords to create subtotals, roll-ups, and more NEW! Applying window functions to answer

more sophisticated questions, and gain deeper insight into your data Software-Independent Approach! If you work with database software such as Access, MS SQL Server, Oracle, DB2, MySQL, Ingres, or any other SQL-based program, this book could save you hours of time and aggravation—before you write a single query!

MCITP Administrator Microsoft SQL Server 2005 Optimization and Maintenance Study Guide Apress

SAS® OnDemand for Academics is now the primary software choice for learners. SAS OnDemand for Academics is available for free access to SAS for individual learners as well as university educators and students. Access to SAS University Edition will end Aug. 2, 2021; users will no longer be able to download it after Apr. 30, 2021. Get up and running with the SAS University Edition using Ron Cody's easy-to-follow, step-by-step guide. Aimed at beginners who have downloaded the free SAS University Edition

and want to either use the point-and-click interactive environment of SAS Studio, or who want to write their own SAS programs, or both, *An Introduction to SAS University Edition*, begins by showing you how to obtain the SAS University Edition, and how you can run SAS on a PC or Macintosh computer. The first part of the book shows you how to perform basic tasks, such as producing a report, summarizing data, producing charts and graphs, and using the SAS Studio built-in tasks. The first part also describes how you can perform basic statistical tests using the interactive point-and-click environment. The second part of the book shows you how to write your own SAS programs, and how to use SAS procedures to perform a variety of tasks. This part of the book also explains how to read data from a variety of sources: text files, Excel workbooks, and CSV files. In order to get familiar with the SAS Studio environment, this book also shows you how to access dozens of interesting data sets that are included with the product.

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