Querying Microsoft Sql Server 2012

T-SQL insiders help you tackle your toughest queries and query-tuning problems Squeeze maximum performance and efficiency from every T-SQL query you write or tune. Four leading experts take an in-depth look at T-SQL's internal architecture and offer advanced practical techniques for optimizing response time and resource usage. Emphasizing a correct understanding of the language and its foundations, the authors present unique solutions they have spent years developing and refining. All code and techniques are fully updated to reflect new T-SQL enhancements in Microsoft SQL Server 2014 and SQL Server 2012. Write faster, more efficient T-SQL code: Move from procedural programming to the language of sets and logic Master an efficient top-down tuning methodology Assess algorithmic complexity to predict performance Compare data aggregation techniques, including new grouping sets Efficiently perform data-analysis calculations Make the most of T-SQL's optimized bulk import tools Avoid date/time pitfalls that lead to buggy, poorly performing code Create optimized BI statistical queries without additional software Use programmable objects to accelerate queries Unlock major performance improvements with In-Memory OLTP Master useful and elegant approaches to manipulating graphs About This Book For experienced T-SQL practitioners Includes coverage updated from Inside Microsoft SQL Server 2008 T-SQL Querying and Inside Microsoft SQL Server 2008 T-SQL Programming Valuable to developers, DBAs, BI professionals, and data scientists Covers many MCSE 70-464 and MCSA/MCSE 70-461 exam topics

Harness the powerful new SQL Server 2012 Microsoft SQL Server 2012 is the most significant update to this product since 2005, and it may change how database administrators and developers perform many aspects of their jobs. If you're a database administrator or developer, Microsoft SQL Server 2012 Bible teaches you everything you need to take full advantage of this major release. This detailed guide not only covers all the new features of SQL Server 2012, it also shows you step by step how to develop top-notch SQL Server databases and new data connections and keep your databases performing at peak. The book is crammed with specific examples, sample code, and a host of tips, workarounds, and best practices. In addition, downloadable code is available from the book's companion web site, which you can use to jumpstart your own projects. Serves as an authoritative guide to Microsoft's SQL Server 2012 for database administrators and developers Covers all the software's new features and capabilities, including SQL Azure for cloud computing, enhancements to client connectivity, and new functionality that ensures high-availability of mission-critical applications Explains major new changes to the SQL Server Business Intelligence tools, such as Integration, Reporting, and Analysis Services Demonstrates tasks both graphically and in SQL code to enhance your learning Provides source code from the companion web site, which you can use as a basis for your own projects Explores tips, smart workarounds, and best practices to help you on the job Get thoroughly up to speed on SQL Server 2012 with Microsoft SQL Server 2012 Bible.

In this Microsoft SQL Server 70-461 Exam training course, expert author Mark Long teaches you everything you need to know to pass the Querying Microsoft SQL Server 2012 exam. It is required that you pass the 70-461 Exam in order to earn your MCSA: SQL Server certification from Microsoft. Mark Long takes you through each of the topics

that you will need to master in order to pass the SQL Server 2012 70-461 exam. Throughout this video tutorial, you will learn how to setup the interface, create and alter tables using T-SQL, and understand SQL queries. You will learn about SELECT statements, how to modify data, and use joins and subqueries. Mark will teach you about triggers and different trigger types, how to work with XML, and how to optimize queries. Finally, you will run through the exam basics and what you can expect from the exam. Once you have completed this computer based training course for the Microsoft SQL Server 70-461 exam, you will have developed the knowledge and skills necessary to pass the Querying Microsoft SQL Server 2012 Exam and continue towards earning your SQL Server MCSA certification.

Buy the print version of¿ Microsoft SQL Server 2012 Unleashed and get the eBook version for free! eBook version includes chapters 44-60 not included in the print. See inside the book for access code and details. ¿ With up-to-the-minute content, this is the industry's most complete, useful guide to SQL Server 2012. ¿ You'll find start-to-finish coverage of SQL Server's core database server and management capabilities: all the real-world information, tips, guidelines, and samples you'll need to create and manage complex database solutions. The additional online chapters add extensive coverage of SQL Server Integration Services, Reporting Services, Analysis Services, T-SQL programming, .NET Framework integration, and much more. ¿ Authored by four expert SQL Server administrators, designers, developers, architects, and consultants, this book reflects immense experience with SQL Server in production environments. Intended for intermediate-to-advanced-level SQL Server professionals, it focuses on the product's most complex and powerful capabilities, and its newest tools and features. Understand SQL Server 2012's newest features, licensing changes, and capabilities of each edition Manage SQL Server 2012 more effectively with SQL Server Management Studio, the SQLCMD command-line query tool, and Powershell Use Policy-Based Management to centrally configure and operate SQL Server Utilize the new Extended Events trace capabilities within SSMS Maximize performance by optimizing design, queries, analysis, and workload management Implement new best practices for SQL Server high availability Deploy AlwaysOn Availability Groups and Failover Cluster Instances to achieve enterprise-class availability and disaster recovery Leverage new business intelligence improvements, including Master Data Services, Data Quality Services and Parallel Data Warehouse Deliver better full-text search with SQL Server 2012's new Semantic Search Improve reporting with new SQL Server 2012 Reporting Services features Download the following from informit.com/title/9780672336928: Sample databases and code examples ¿ ¿ Provides information on using Microsoft Server SQL to design and implement database solutions along with material to prepare for the MCSA SQL Server certification examination.

????????:????:?????????;SELECT??:??????????;??????:???????;?????????:??????. Learn how to query data from SQL Server tables. Microsoft Certified Trainer Gerry O'Brien reviews the history of SQL and relational theory, so you'll understand exactly where this data manipulation language, and Microsoft's seminal database program, got their starts. Then he shows how to query one or many different tables using SELECT statements, and filter, group, and sort the results. Next, learn how to work with special data types like dates, times, and characters. Gerry also covers advanced topics like

subqueries, programming with T-SQL (Microsoft's proprietary extension for SQL), and improving query performance.

"This course is intended for SQL Server database administrators, implementers, system engineers, and developers. This new SQL 2012 course is focused on anyone interested in the validation of your skills and knowledge with writing queries. This course provides the knowledge and understanding for some of these important job functions: Apply built-in scalar functions Apply ranking functions Combine datasets Creates and alters Design T-SQL stored procedures, views Implementing aggregate queries, error handling, sequence generation and data types Manage transactions Modify data by using INSERT, UPDATE, DELETE and MERGE statements Optimizing queries Query data using SELECT statements and Managing XML data OUTPUT clause to return data."--Resource description page.

This course provides students with the technical skills required to write basic Transact-SQL queries for Microsoft SQL Server 2012. This course is the foundation for all SQL Server related disciplines; namely: Database Administration, Database Development and Business Intelligence. Helps students prepare for exam: 70-461. This course is intended for Database Administrators, Database Developers, and Business Intelligence professionals. Business Intelligence (BI) has emerged as a field which seeks to support managers in decision-making. It encompasses the techniques, methods and tools for conducting analytically-based IT solutions, which are referred to as OLAP (OnLine Analytical Processing). Within this field, SQL has a role as a leader and is continuously evolving to cover both transactional and analytical data management. This book discusses the functions provided by Microsoft® SQL Server 2014/2016 in terms of business intelligence. The analytic functions are considered as an enrichment of the SQL language. They combine a series of practical functions to answer complex analysis requests with all the simplicity, elegance and acquired performance of the SQL language. Drawing on the wide experience of the author in teaching and research, as well as insights from contacts in the industry, this book focuses on the issues and difficulties faced by academics (students and teachers) and professionals engaged in data analysis with the SQL Server 2014/2016 database management system.

Ace your preparation for Microsoft® Certification Exam 70-461 with this 2-in-1 Training Kit from Microsoft Press®. Work at your own pace through a series of lessons and practical exercises, and then assess your skills with practice tests on CD—featuring multiple, customizable testing options. Maximize your performance on the exam by learning how to: Create database objects Work with data Modify data Troubleshoot and optimize queries You also get an exam discount voucher—making this book an exceptional value and a great career investment. Designed to prepare students for the certification exam by using practical exercises to teach them to create database objects, work with data, and modify data.

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Microsoft SQL Server is a complete set of technologies and tools that enterprises use to deliver database and business intelligence solutions. Enterprises employ database administrators to maintain and optimize their organizations' data solutions. The role of a database administrator includes ensuring database security, availability, and performance that satisfies business requirements.Microsoft Learning now introduces the next round of its SQL Certification program with exams covering the new version of the SQL Server software, Microsoft SQL Server 2012. The exams and certification path differ significantly from the two previous versions of SQL Server. This provides an opportunity for the MS line to capitalize on the dual disruption of brand-new software and brand-new certifications. These product offerings for Microsoft SQL Server 2012 will focus on the baseline database administrator professional certification, providing the skills necessary for students to enter the workforce. Apply powerful window functions in T-SQL—and increase the performance and speed of your queries Optimize your queries—and obtain simple and elegant solutions to a variety of problems—using window functions in Transact-SQL. Led by T-SQL expert Itzik Ben-Gan, you'll learn how to apply calculations against sets of rows in a flexible, clear, and efficient manner. Ideal whether you're a database administrator or developer, this practical guide demonstrates ways to use more than a dozen T-SQL querying solutions to address common business tasks. Discover how to: Go beyond traditional query approaches to express set calculations more efficiently Delve into ordered set functions such as rank, distribution, and offset Implement hypothetical set and inverse distribution functions in standard SQL Use strategies for improving sequencing, paging, filtering, and pivoting Increase query speed using partitioning, ordering, and coverage indexing Apply new optimization iterators such as Window Spool Handle common issues such as running totals, intervals, medians, and gaps

Introduces the essential elements of SQL server integration services, with descriptions and tutorials on each feature or process.

Implement a Robust BI Solution with Microsoft SQL Server 2012 Equip your organization for informed, timely decision making using the expert tips and best practices in this practical guide. Delivering Business Intelligence with Microsoft SQL Server 2012, Third Edition explains how to effectively develop, customize, and distribute meaningful information to users enterprise-wide. Learn how to build data marts and create BI Semantic Models, work with the MDX and DAX languages, and share insights using Microsoft client tools. Data mining and forecasting are also covered in this comprehensive resource. Understand the goals and components of successful BI Design, deploy, and manage data marts and OLAP cubes Load and cleanse data with SQL Server Integration Services Manipulate and analyze data using MDX and DAX scripts and queries Work with SQL Server Analysis Services and the BI Semantic Model Author interactive reports using SQL Server Data Tools Create KPIs and digital dashboards Use data mining to identify patterns, correlations, and clusters Implement time-based analytics Embed BI reports in custom applications using

ADOMD.NET

Effectively query and modify data using Transact-SQL Master T-SQL fundamentals and write robust code for Microsoft SQL Server and Azure SQL Database. Itzik Ben-Gan explains key T-SQL concepts and helps you apply your knowledge with hands-on exercises. The book first introduces T-SQL s roots and underlying logic. Next, it walks you through core topics such as single-table queries, joins, subqueries, table expressions, and set operators. Then the book covers more-advanced data-query topics such as window functions, pivoting, and grouping sets. The book also explains how to modify data, work with temporal tables, and handle transactions, and provides an overview of programmable objects. Microsoft Data Platform MVP Itzik Ben-Gan shows you how to: Review core SQL concepts and its mathematical roots Create tables and enforce data integrity Perform effective single-table queries by using the SELECT statement Query multiple tables by using joins, subqueries, table expressions, and set operators Use advanced query techniques such as window functions, pivoting, and grouping sets Insert, update, delete, and merge data Use transactions in a concurrent environment Get started with programmable objects from variables and batches to user-defined functions, stored procedures, triggers, and dynamic SQL "

No business operates itself. No one person can manage every aspect either. Business and Management are the disciplines devoted to organizing, analyzing, and planning various types of business operations. And if that sounds really general, that's just because these Book cover a lot of ground! These concepts given in this book teach the fundamental skills that are required to efficiently run or manage a business. So, whether you want to work for a large corporation, or in a mom-and-pop shop, you can be confident that a topic in this Business and Management book will teach you the skills and theory you need for a successful career. A manager keeps the day-to-day business operations running smoothly. They may write departmental procedures, conduct performance evaluations, and train new staff. Some make hiring—and firing—decisions. Managers set budgets, evaluate new technologies, and mentor their employees. Maybe you have the entrepreneurial spirit and want to try your hand at building the next Facebook. Experience goes a long way, but if you combine that with an entrepreneurship degree, you'll be well equipped to set off on your own. However you choose to pursue either business or management, you want to make sure that you're choosing a career that fits your unique skills. The possible job titles for Business and Management majors are practically unlimited. They range from financial managers, who use their mathematical skills to generate financial forecasts, to marketing managers, who draw upon their creativity to manage advertising and sales efforts. This Book Business and Management,splitted in to Five parts This is the Fifth part in the series each part covers 10 Subject Matters ,Subjects covered in this Fifth part are given below : KNOWLEDGE MANAGEMENT MANAGING THE MANAGER MANAGEMENT INFORMATION SYSTEM INNOVATION CREATIVITY ORGANIZATIONAL BEHAVIOR PERFORMANCE MANAGEMENT RELIABILITY FOR ENGINEERS SALES FORECASTING PUBLIC LIBRARY MANAGEMENT MANAGERIAL ECONOMICS This Business and Management Book will prepare you for a variety of different possible career paths – and with a degree in this field, you'll always be in demand. That's because the skills you'll gain in this Business and Management Book are extremely transferrable, which means that they will be useful in many different industries. That

gives you an amazing amount of flexibility if you decide that you want to shift to a different industry or role. You'll also have great earning potential with the knowledge gained through this book, especially if you complete a graduate program at a top school. Working in finance or as a chief executive, you could even end up taking home a six-figure salary with potential knowledge of Business and Management! Future of Business & Management Like many other fields, Business and Management is feeling the impact of technological advances. With big data and artificial intelligence allowing many tasks to be automated, the nature of business is changing every day. You'll learn how to use and apply useful business concepts, tools and terminology whilst exploring four key aspects of business management: managing money, managing people, managing information, and - most importantly – managing and understanding yourself. You'll learn to communicate professionally in common business situations. You'll reflect on your own management and leadership style and consider the concepts of success, sustainability, and social responsibility.

Gain a solid understanding of T-SQL—and write better queries Master the fundamentals of Transact-SQL—and develop your own code for querying and modifying data in Microsoft SQL Server 2012. Led by a SQL Server expert, you'll learn the concepts behind T-SQL querying and programming, and then apply your knowledge with exercises in each chapter. Once you understand the logic behind T-SQL, you'll quickly learn how to write effective code—whether you're a programmer or database administrator. Discover how to: Work with programming practices unique to T-SQL Create database tables and define data integrity Query multiple tables using joins and subqueries Simplify code and improve maintainability with table expressions Implement insert, update, delete, and merge data modification strategies Tackle advanced techniques such as window functions, pivoting and grouping sets Control data consistency using isolation levels, and mitigate deadlocks and blocking Take T-SQL to the next level with programmable objects

MCSA GUIDE TO MICROSOFT SQL SERVER 2012 (Exam #70-462) provides a thorough introduction to essential database administration principles and practices to prepare readers for certification and career success. Ideal for formal courses, self-study, or professional reference, this detailed text employs a lab-based approach to help users develop the core knowledge and practical skills they need to master Microsoft SQL Server administration in an enterprise environment and pass Microsoft Certified Solutions Associate Exam 70-462. The text opens with information on the latest version of Microsoft SQL Server, offering step-by-step guidance on selecting an edition and completing initial installation and configuration. Several chapters then explore key topics such as database programming, security, performance tuning, backup and recovery, data integration, and system monitoring. Within each chapter, numerous resources and features reinforce teaching and learning, including learning objectives, summaries of key ideas, hands-on activities, discusssion questions, definitions of important terms, and case studies to provide real-world context. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

200 practice questions to prepare & pass exam Exam 70-461: Querying Microsoft SQL Server 2012! Study this book to perform to excellence as a database developer! The exam text book follows the official Microsoft exam guidelines. The book features over

200 practice exam questions & answers. Once you learn the book, very likely you pass the exam effortlessly. SQL (Structured Query Language) programming & relational database design teach-by-practical-diagrams-&-examples book for developers, programmers, systems analysts and project managers who are new to relational database and client/server technologies. Also for database developers, database designers and database administrators (DBA), who know some SQL programming and database design, and who wish to refresh & expand their RDBMS design & development technology horizons. The book has special orientation for passing Exam 70-461. Familiarity with at least one computer programming language, Windows file system & Excel is assumed. Since the book is career advancement oriented, it has a great number of 3NF database design examples with metadata explanations along with practical SQL queries (over 1,400 SELECT queries) and T-SQL scripts, plenty to learn indeed. Great emphasis is placed on explaining the FOREIGN KEY - PRIMARY KEY constraints among tables, the connections which make the collection of individual tables a database. The database diagrams and queries are based on historic and current SQL Server sample databases: pubs (PRIMARY KEYs 9, FOREIGN KEYs 10) , Northwind (PRIMARY KEYs 13, FOREIGN KEYs 13) and the latest AdventureWorks series. Among them: AdventureWorks, AdventureWorks2008, AdventureWorks2012 (PRIMARY KEYs 71, FOREIGN KEYs 90), & AdventureWorksDW2012 (PRIMARY KEYs 27, FOREIGN KEYs 44). The last one is a data warehouse database which is the basis for multi-dimensional OLAP cubes. Sample databases installation instructions are included. The book teaches through vivid database diagrams and T-SQL queries & stored procedures; how to think in terms of sets at a very high level, focusing on set-based operations instead of loops like in procedural programming languages. There is a chapter dedicated to the new programming features of SQL Server 2012 and XML. The best way to master T-SQL programming is to type the query in your own SQL Server Management Studio Query Editor, test it, examine it, change it and study it. Wouldn't it be easier just to copy & paste it? It would, but the learning value would diminish rapidly. You need to feel relational database design and the SQL language in your DNA. SQL queries must "pour" out from your fingers into the keyboard. Why is knowing SQL queries by heart so important? After all everything can be found on the web so why not just copy & paste? Well not exactly. If you want to be an database designer & development expert, it has to be in your head not on the web. Second, when your supervisor is looking over your shoulder, "Charlie, can you tell me what is the total revenue for March?", you have to be able to type the query without documentation or SQL forum search and provide the results to your superior promptly. The book was designed to be readable in any environment, even on the beach laptop around or no laptop in sight at all. All queries are followed by results row count and /or full/partial results listing in tabular (grid) format. Screenshots are used when dealing with GUI tools such as SQL Server Management Studio. SQL Server 2012 installation instructions with screenshots are included. Mastery of the database design & SQL programming book likely to be sufficient for career advancement as a database designer and database developer.

"The 2012 Microsoft MCSA Certification track includes Exam 70-461 Querying Microsoft SQL Server 2012. The ability to work with Transact-SQL and understand the specifics of querying Microsoft SQL server is a fundamental skill. This VTC course is

intended for SQL Server database administrators, implementers, system engineers, and developers who are preparing to take the 70-461 exam as well as those who are just beginning to learn Transact-SQL. Mark Long is the instructor and will take you through the various tools and concepts needed to help you get ready for the 70-461 exam."--Resource description page.

Microsoft SQL Server is a complete set of technologies and tools that enterprises use to deliver database and business intelligence solutions. Enterprises employ database administrators to maintain and optimize their organizations' data solutions. The role of a database administrator includes ensuring database security, availability, and performance that satisfies business requirements. Microsoft Learning now introduces the next round of its SQL Certification program with exams covering the new version of the SQL Server software, Microsoft SQL Server 2012. The exams and certification path differ significantly from the two previous versions of SQL Server. This provides an opportunity for the MS line to capitalize on the dual disruption of brand-new software and brand-new certifications. These product offerings for Microsoft SQL Server 2012 will focus on the baseline database administrator professional certification, providing the skills necessary for students to enter the workforce.

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If you need to deploy, manage, or secure Microsoft SQL Server 2012, this is the complete, fast-paced, task-based reference you've been searching for. Authored by a worldclass expert on running SQL Server in the enterprise, this book goes far beyond the basics, taking on the complex tasks that DBAs need to make the most of Microsoft's first cloud-enabled database platform. Designed for maximum practical usability, it's packed with expert tips and up-to-date real-world configuration guidance you simply won't find anywhere else. As someone who helped influence the design of SQL Server 2012 and drawing on many months of beta testing, Ross Mistry provides immediately usable solutions for installation and upgrades, management and monitoring, performance and availability, security, consolidation, virtualization, troubleshooting, and more. Mistry identifies new features and corresponding best practices in every chapter, helping you take full advantage of new SQL Server innovations ranging from private cloud support to AlwaysOn Availability Groups. Understand how to: Efficiently install or upgrade the SQL Server 2012 database engine Administer and configure database engine settings, storage, I/O, and partitioning Transfer data on-premise or to the cloud Manage and optimize indexes Learn how to consolidate, virtualize and optimize SQL Server for Private Clouds Harden and audit SQL Server 2012 environments Administer security and authorization, including new Contained Databases Encrypt data and communications Design and deploy new AlwaysOn high-availability and disaster recovery features Implement maintenance best practices, including Policy-Based Management

Best preparation for Microsoft Certification Exam 70-461, job interview & successful database developer career. Exam 70-461: Querying Microsoft SQL Server 2012. The book covers all the official published Microsoft exam topics. Very good chance of passing the certification exam after studying the book thoroughly. Study & practice at your own pace through a series of illustrated lessons with practical database diagrams & T-SQL scripts. Contents at a Glance CHAPTER 1: SQL Server Sample & System

Databases CHAPTER 2: Installing SQL Server 2012 CHAPTER 3: Structure of the SELECT Statement CHAPTER 4: SQL Server Management Studio CHAPTER 5: Basic Concepts of Client-Server Computing CHAPTER 6: Fundamentals of Relational Database Design CHAPTER 7: Normal Forms & Database Normalization CHAPTER 8: Functional Database Design CHAPTER 9: Advanced Database Design Concepts CHAPTER 10: The Art of Database Design CHAPTER 11: New Programming Features in SS 2012 CHAPTER 12: JOINing Tables with INNER & OUTER JOINs CHAPTER 13: Basic SELECT Statement Syntax & Examples CHAPTER 14: Subqueries in SELECT Statements CHAPTER 15: SELECT INTO Table Creation & Population CHAPTER 16: Modify Data - INSERT, UPDATE, DELETE & MERGE CHAPTER 17: The Magic of Transact-SQL Programming CHAPTER 18: Exporting & Importing Data CHAPTER 19: Maintaining Data Integrity in the Enterprise CHAPTER 20: Query & Stored Procedure Optimization CHAPTER 21: Advanced T-SQL Programming Topics SPECIAL: How to Prepare for the Exam & Job Interview. Relational database design and SQL (Structured Query Language) programming teach-by-practical-diagrams-&-examples book for developers, programmers, systems analysts and project managers who are new to relational database and client/server technologies. Also for database developers, database designers and database administrators (DBA), who know some SQL programming and database design, and who wish to refresh & expand their RDBMS design & development technology horizons. The book has special orientation for passing Exam 70-461(Querying Microsoft SQL Server 2012), job interview and performing well on the job. Familiarity with at least one computer programming language, Windows file system & Excel is assumed. Since the book is career advancement oriented, it has a great number of 3NF database design examples with metadata explanations along with practical SQL queries (over 1,600 SELECT queries) and T-SQL scripts, plenty to learn indeed. Great emphasis is placed on explaining the FOREIGN KEY - PRIMARY KEY constraints among tables, the connections which make the collection of individual tables a database. The database diagrams and queries are based on historic and current SQL Server sample databases: pubs (PRIMARY KEYs 9, FOREIGN KEYs 10), Northwind (PRIMARY KEYs 13, FOREIGN KEYs 13) and the latest AdventureWorks series. Among them: AdventureWorks, AdventureWorks2008, AdventureWorks2012 (PRIMARY KEYs 71, FOREIGN KEYs 90), & AdventureWorksDW2012 (PRIMARY KEYs 27, FOREIGN KEYs 44). The last one is a data warehouse database which is the basis for multi-dimensional OLAP cubes. Sample databases installation instructions are included. The book teaches through vivid database diagrams and T-SQL queries how to think in terms of sets at a very high level, focusing on set-based operations instead of loops like in procedural programming languages. There is a chapter dedicated to the new programming features of SQL Server 2012 and XML. The best way to master T-SQL programming is to type the query in your own SQL Server Management Studio Query Editor, test it, examine it, change it and study it. Wouldn't it be easier just to copy & paste it? It would, but the learning value would diminish rapidly. You need to feel relational database design and the SQL language in your DNA. SQL queries must "pour" out from your fingers into the keyboard.

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.
Essential Microsoft SQL Server 2012 Skills Made Easy Get up and running on Microsoft SQL Server 2012 in no time with help from this thoroughly revised, practical resource. Filled with real-world examples and hands-on exercises, Microsoft SQL Server 2012: A Beginner's Guide, Fifth Edition starts by explaining fundamental relational database system concepts. Then, you'll learn how to write Transact-SQL statements, execute simple and complex database queries, handle system administration and security, and use the powerful analysis, business intelligence, and reporting tools. XML, spatial data, and full-text search are also covered in this step-by-step tutorial. Install, configure, and customize SQL Server 2012 Create and modify database objects with Transact SQL statements Write stored procedures and user-defined functions Handle backup and recovery Automate administrative tasks Tune your database system for optimal performance, availability, and reliability Implement security measures using authentication, encryption, and authorization Work with SQL Server Analysis Services, SQL Server Reporting Services, and other business intelligence tools Store, display, and query XML documents Manage spatial data Query documents using MS Full-Text Search (FTS)
Bring the performance and security of SQL Server to Linux About This Book Design and administer your SQL Server solution on the open source Linux platform Install, configure, and fine-tune your database application for maximum performance An easy-to-follow guide teaching you how to implement various SQL Server CTP 2.x offerings on Linux—from installation to administration Who This Book Is For This book is for the Linux users who want to learn SQL Server on their favorite Linux distributions. It is not important if you are experienced database user or a beginner as we are starting from scratch. However, it is recommended that you have basic knowledge about relational models. More advanced readers can pick the chapters of their interest and study specific topics immediately. Users from Windows platform can also benefit from this book to expand their frontiers and become equally efficient on both platforms. What You Will Learn Install and set up SQL Server CTP 2.x on Linux Create and work with database objects using SQL Server on Linux Configure and administer SQL Server on Linux-based systems Create and restore database back-ups Protect sensitive data using the built-in cryptographic features Optimize query execution using indexes Improve query execution time by more than 10x using in-memory OLTP Track row-versioning using temporal

tables In Detail Microsoft's launch of SQL Server on Linux has made SQL Server a truly versatile platform across different operating systems and data-types, both on-premise and on-cloud. This book is your handy guide to setting up and implementing your SQL Server solution on the open source Linux platform. You will start by understanding how SQL Server can be installed on supported and unsupported Linux distributions. Then you will brush up your SQL Server skills by creating and querying database objects and implementing basic administration tasks to support business continuity, including security and performance optimization. This book will also take you beyond the basics and highlight some advanced topics such as in-memory OLTP and temporal tables. By the end of this book, you will be able to recognize and utilize the full potential of setting up an efficient SQL Server database solution in your Linux environment. Style and approach This book follows a step-by-step approach to teach readers the concepts of SQL Server on Linux using the bash command line and SQL programming language trough examples which can easily be adapted and applied in your own solutions. Strengthen your understanding of database management today with the hands-on, thorough presentation found in CONCEPTS OF DATABASE MANAGEMENT, 10th Edition. Real cases, practical examples and helpful screenshots with concise explanations clarify database design, data integrity, normalization, concurrent updates, data security and big data. Completely updated content reflects Microsoft Access 2019, Office 365 standards and SQL Server 2019, while exploring SQL in a database-neutral environment. Detailed coverage presents the relational model (including QBE and SQL), normalization and views as well as database administration and management. You also examine advanced topics, such as distributed databases, data warehouses, stored procedures, triggers, data macros and Web Apps. Trust this contemporary introduction to help you master today's database techniques to advance your career in any field. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. Querying Microsoft SQL Server 2012Exam 70-461 Training KitPearson Education Microsoft SQL Server implements extensive support for location-based data. Pro Spatial with SQL Server 2012 introduces SQL Server's spatial feature set, and covers everything you'll need to know to store, manipulate, and analyze information about the physical location of objects in space. You'll learn about the geography and geometry datatypes, and how to apply them in practical situations involving the spatial relationships of people, places, and things on Earth. Author Alastair Aitchison first introduces you to SQL Server's spatial feature set and the fundamental concepts involved in working with spatial data, including spatial references and co-ordinate systems. You'll learn to query, analyze, and interpret spatial data using tools such as Bing Maps and SQL Server Reporting Services. Throughout, you'll find helpful code examples that you can adopt and extend as a basis for your own projects. Explains spatial concepts from the ground up—no prior knowledge is necessary Provides comprehensive guidance for every stage of working with spatial data, from importing through cleansing and storing, to querying, and finally for retrieval and display of spatial data in an application layer Brilliantly illustrated with code examples that run in SQL Server 2012, that you can adapt and use as the basis for your own projects.
"Learn the ins and outs of SQL Server in this practical video tutorial. MCSA/MCSE Exam 70-461 Querying Microsoft SQL Server 2012 LiveLessons is a unique video product that provides a solid understanding of querying SQL Server 2012, a necessity for database administrators and developers and required knowledge for certifications on Microsoft SQL Server 2012 and 2014. Transact-SQL (T-SQL) is the main language used to manage data on Microsoft SQL Server. Understanding T-SQL is foremost in writing performance-based queries. The product takes the student from the basics of the language to the structures that will create optimal results. The student learns, step-by-step, creating database objects, working with data, modifying data, and troubleshooting and optimizing queries for a comprehensive study of

querying."--Resource description page.