SQL Server 2012 Administration

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Best preparation for a high-paid career as a SQL Server 2012 Database Administrator. SQL Server and Database Administration is a challenging job. A DBA has to learn how to install SQL Server 2012 instances and manage them. Also the database administrator has to master creating a database, backing it up and restoring it when it becomes necessary. Preparing for a disaster and recovering from it is a must skill for a database administrator. A DBA has to master RDBMS security and learn how to automate with SQL Server Agent and other tools. In addition to server and database management, a database administrator has to know SQL programming and database design as well. Relational database administration, design and SQL (Structured Query Language) programming teach-by-practical-diagrams-&-examples book for DBA-s, developers, programmers, systems analysts and project managers who are new to relational database and client/server technologies. The book covers all topics for exam 70-462. 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 1,500 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. 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 administration, design & SQL programming book likely to be sufficient for career advancement as a database administrator, designer and developer.

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