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What is Advanced SQL?

This Advanced Programme Training Course teaches complex SQL techniques to enable individuals to programme an SQL Server and understand the principles behind successful SQL and database management - building upon prior knowledge and utilisation of SQL. Upon the completion of this training course, candidates will be able to scale emerging and dynamic technological networks, enabling the production of Apps and Databases. SQL - the command-based language utilised in relational database management - is beneficial for both individuals looking to demonstrate their commitment to continual personal development and also for businesses looking to train their developers in complex, but essential, web development and programming skills.

By earning this certification, candidates will have learned how to respond to continually developing requirements of database applications, protocols, and technology networks, in addition to learning how to develop and run SQL queries which can save upon the requirement to undertake substantial data processing.

Such SQL Training can enable knowledge growth concerning the rapid analysis and manipulation of aggregate functions and substantial data sets, hence, this Advanced SQL Training course would be beneficial for individuals that are highly experienced and can appreciate the complexities of SQL, database management, and/or web development.

Course Objectives

This Advanced SQL Training Course teaches complex SQL practices to enable individuals to programme an SQL Server and to run query-based functions.

Advanced SQL Course Content

- Advantages/Disadvantages of Stored Procedure Basics
- Declaring Variables - SET against SELECT, and Tips for Manipulating Variables
- Relational Databases
- Advanced SQL Language
- Avoiding Scalar Functions

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- Passing Parameters and Return Values
- Variations of Testing Types
- Syntax Looping - Transactions, Looping, Rolling, Deleting, and Updating
- Syntax Fetching Rows
- Dealing With and Preempting Errors
- Inserting and Updating Data
- Data Modelling
- Schema Mapping
- Data Normalisation
- Relationship Modelling
- Primary and Foreign Keys
- Limitations of User-Defined Functions
- Measuring Performance
- Query Performance
- Creating and Joining Tables - Temporary, Inner, and Outer Joins

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