



Advanced SQL Training

08 - 12 Sep 2024
Cairo (Egypt)



Advanced SQL Training

Ref.: 15092_262543 **Date:** 08 - 12 Sep 2024 **Location:** Cairo (Egypt) **Fees:** 3500 **Euro**

Introduction:

This course includes plenty of chances to experiment with what you are being taught and ask questions if you're not sure of something. We make sure that no-one is left behind.

By the time you finish, you'll be comfortable using a wide variety of advanced SQL queries.

A complete advanced SQL course that covers all of the advanced concepts and techniques. Plenty of one to one attention and time to ask questions.

Course Objectives:

At the end of this course the participants will be able to:

- Write basic SELECT statements including wildcard characters and comparison operators.
- Carry out mathematical calculations in SQL
- Group and Count your data.
- Learn how to use IF, CASE, and UNION queries.
- Understand the basic error trapping techniques and using commit and rollback.
- Create views and use stored procedures.

Course Content:

Unit 1: SQL Scripts:

- Good practice when writing SQL queries
- Exploring the templates and stored procedures available in SSMS
- Saving script files v saving stored procedures
- Using Parameterised queries

Unit 2: Advanced SQL SELECT Statements:

- Recap on writing JOIN statements and column and table aliases
- ISNULL function v IS NULL criterion
- Useful string, date and convert functions
- Aggregate functions
- Group by clause including rollup
- IF and CASE
- UNION queries

Unit 3: DML and Transaction Control:

- Working with INSERT
- Working with UPDATE
- Working with DELETE

- Creating computed columns
- Using Begin transactions with Commit and Rollback
- Simple error trapping

Unit 4: Sub Queries and Window Functions:

- Writing subqueries
- Over and OverPartition by
- Row v Rank

Unit 5: Managing Views:

- Creating a view
- Selecting data using a view
- Altering and dropping views

Unit 6: Stored Procedures USP

- Introduction to Stored Procedures
- Advantages of Stored Procedures
- Creating and Using Stored Procedures
- Dealing with an INSERT



**Registration form on the :
Advanced SQL Training**

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Complete & Mail or fax to Mercury Training Center at the address given below

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Telephone / Mobile:

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Company Information

Company Name:

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Person Responsible for Training and Development

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