

*Looking at Training Differently.....*

## Microsoft SQL Server 7.0: Database Design

<b>Objectives:</b>	Students will learn how to implement databases in Microsoft SQL Server 7.0.
<b>Prerequisites:</b>	Windows NT 4.0: System Architecture and Network Support or equivalent knowledge. In addition, students should have experience working with relational databases and an understanding of basic SQL statements.
<b>Duration:</b>	5 days
<b>Additional Information:</b>	Consultancy or Tailored courses are available upon request

### Course Contents

<b>An Overview of SQL Server</b>	
Exploring the features of SQL Server	The SQL Server architecture
SQL Server database structure	Identifying SQL Server management tasks
<b>Exploring Transact-SQL</b>	
What is Transact-SQL?	Programming in Transact-SQL
Transact-SQL statements	
<b>Designing and implementing databases</b>	
Identifying database design issues	Maintaining databases
Creating databases	
<b>Creating and managing tables</b>	
Creating tables	Scripting tables
Maintaining tables	
<b>Designing data integrity</b>	
Understanding data integrity	Implementing constraints
<b>Implementing indexes</b>	
Designing indexing	Maintaining indexes
Implementing indexes	
<b>Joining tables</b>	
Querying multiple tables	Implementing advanced table joins
<b>Advanced queries</b>	
Designing subqueries	Changing data through queries
<b>Using functions</b>	
Working with aggregate functions	
<b>Designing views</b>	
Creating and managing views	
<b>Creating stored procedures</b>	

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### **Course Contents**

Designing stored procedures	Using parameters in stored procedures
Creating stored procedures	Managing stored procedures
<b>Creating triggers</b>	
Designing triggers	Creating and managing triggers
<b>Understanding transactions and locks</b>	
Working with transactions	Working with locks
<b>Implementing distributed queries</b>	
Establishing linked servers	Creating and managing distributed queries
<b>Designing advanced queries</b>	
Implementing the Microsoft Search Service	Using Microsoft English Query