

Content of Glance
MS SQL Server Programming 2008
Duration: 65 hours

In this SQL Server 2008 training course, you'll learn about the features that are available in SQL Server 2008; how to design and create a database; and how to build basic queries using Transact-SQL, the language of SQL Server 2008. Then, you'll learn how to build effective views, stored procedures, triggers, and user-defined functions, using Transact-SQL. You'll learn about the new enhancements to the Transact-SQL programming language including improved support for error handling and hierarchical queries, and programmers can now use .NET languages like C# and Visual Basic to build database objects.

<p><u>Chapter1: Introduction to MS SQL Server 2008</u></p> <ul style="list-style-type: none"> • Getting Started with MS SQL Server 2008 • Version of MS SQL Server ` • Type of MS SQL Server 2008 • Hardware and Software Requirement • Installation of MS SQL Server 2008 • Upgrade from MS SQL Server 2000 or 7.0 MS SQL 2005 to MS SQL Server 2008 • System Database and User Define Database • What are New in MS SQL Server 2008 	<ul style="list-style-type: none"> • Create Complex View • Encrypt your view • Reporting on database View
<p><u>Chapter 2: Working with Database and Table</u></p> <ul style="list-style-type: none"> • Type of Database • Type Database Files • Database Options • Create Database using Script • Create Database using Management Studio 	<p><u>Chapter 9: Build In Function in MS SQL Server 2008</u></p> <ul style="list-style-type: none"> • Aggregate Functions • Mathematical Functions • String Functions • Date Functions • Ranking Functions • Using System Functions • Using System Statistical Functions <p><u>Chapter 10: User Define Function</u></p> <ul style="list-style-type: none"> • What is User Define Function? • UDF Return scalar values • UDF Return a table • Create, Alter, Drop UDF • Encrypt UDF



<ul style="list-style-type: none"> • Data type • New Data Type in MS SQL Server 2008 • Create table using Script • Create table using Management Studio • Delete, Modify Table and Database <p><u>Chapter 3: More Detail on Table</u></p> <ul style="list-style-type: none"> • Insert Data in Table, View Data in Table • Using Identity • Using Computed Column • Using Default values • Create Primary Key and Foreign key • Using RowGUIDCol • Using Check • Alter table column • Reporting Table Information <p><u>Chapter 4: Using SQL Statement (1)</u></p> <ul style="list-style-type: none"> • Basic Select Statement • Using Comparison Operator in Select Statement • Using Between and Not Between • Using Group By • Using In and Not in Clause • Using Exist and Not Exist • Using Like and Not Like Clause • Using Top and With Ties Clause • Using is not null and is null Clause • Using ALL, ANY Clause <p><u>Chapter 5: Using SQL Statement (2)</u></p>	<ul style="list-style-type: none"> • Exercise <p><u>Chapter 11: Cursor</u></p> <ul style="list-style-type: none"> • What is Cursor? • The Life Span of a cursor • Type of Cursors and Extended Declaration • Fetch Statement • Create, Modify and Drop Cursor <p><u>Chapter 12: Control Statement</u></p> <ul style="list-style-type: none"> • Declare Variable in MS SQL Server • Using IF else Statement • Using Nested IF else Statement • Using Select Statement • Using For Loop • Using Do While Loop • Using While Loop <p><u>Chapter 13: Index Management</u></p> <ul style="list-style-type: none"> • Understanding Index • How Index work IN MS SQL SERVER 2008 • Create, Alter, and Drop Index • Maintenance Index • Rebuild, Reorganize Index <p><u>Chapter 14: Implementation of Full-text Search</u></p> <ul style="list-style-type: none"> • What is full-text Search? • Full-text search architecture • Create Full-Text Search Index and Catalog • Enable Full-Text-Search on your
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<ul style="list-style-type: none"> • Using Group By All • Using having • Using Distinct • Using With cube, Rollup, Grouping • Crate Comma delimited in Select Statement • Using INTO Clause • Using Sub Query • Using Union and Union All <p><u>Chapter 6: Using SQL Statement(3)</u></p> <ul style="list-style-type: none"> • Using Table Sample • Using Join (Inner Join, Outer Join, Cross Join) • Using Pivot Table • Using Unpivot table • Using Insert Statement • Using Update Statement • Using Delete Statement <p><u>Chapter 7: Data Integrity</u></p> <ul style="list-style-type: none"> • Entity Integrity • Domain Integrity • Referential integrity • User-defined integrity • Types of Constraints • Creating Constraints • Dropping Constraints • View your constraint • CREATE RULE Statement 	<p>database</p> <ul style="list-style-type: none"> • Create, Alter, Drop and Maintenance Full-Text-Search • Full-Text-Search Query Syntax <p><u>Chapter 15: Store Procedure</u></p> <ul style="list-style-type: none"> • What is Store Procedure? • Create Store Procedure • Execute Store Procedure • Creating a Parameterized Stored Procedure • Using OUTPUT Parameters • Modifying a Stored Procedure • Executing Stored Procedures Automatically at SQL Server Startup • View your Procedure Code • Stored Procedure Security <p><u>Chapter 16: Trigger</u></p> <ul style="list-style-type: none"> • What is Trigger? • Type of Trigger • Create Trigger • Using Inserted and Deleted • Alter Trigger • List Trigger for table • Enable and Disable Trigger • View Trigger code • Encrypt Trigger <p><u>Chapter 17: Using Try Catch</u></p> <ul style="list-style-type: none"> • Try Catch in MS SQL Server 2008 • Old Style Error Handling
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<ul style="list-style-type: none">• CREATE DEFAULT Statement• DBCC CHECKCONSTRAINTS <p><u>Chapter 8: View</u></p> <ul style="list-style-type: none">• What is View?• Create Simple view with Script• Create Simple View with Management Studio• Alter, delete view	<ul style="list-style-type: none">• Error Handling with Try Catch• Nesting Try Catch <p><u>Chapter 18: Cryptography Support</u></p> <ul style="list-style-type: none">• Data Encryption• Encrypt and Decrypt your data using functions• Using Certificate to Encrypt and Decrypt your data
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