



Noble Software Consulting IT Training

MS SQL SERVER 2008 INTRODUCTION COURSE OVERVIEW

This course details the basics of Microsoft SQL Server. Topics include: learning how to create and manipulate database objects such as tables, indexes, views, and triggers. Students will be introduced to the basics of using SQL Server.

MS SQL SERVER INTRODUCTION COURSE OUTLINE– 30 HRS

❖ SQL Server Basics

- Client-Server database architecture and SQL Server architecture
- Tables, relational databases, SQL and database objects
- Design and develop MS SQL Server databases and tables
- Referencing objects in SQL Server databases
- Obtaining information from database tables
- SQL Server security

❖ Understanding Tables and Databases

- Creating databases manually
- Creating databases with database wizard
- Defining a maintenance plan wizard
- Databases using Transact-SQL
- Database manipulation: characteristics and deletions
- Working with tables

❖ Indexes and Views

- The basics of index structures
- Creating and working with indexes
- Indexes and table architecture
- Creating views (including using view manager)
- Working with views
- Indexed views

❖ **Database Diagrams, The Query Analyzer and SQL Basics**

Working with diagrams

Diagramming for pubs database

Server connectivity and Sscreen management

Working with queries

SQL essentials (select, create table, insert, delete, update)

❖ **Stored Procedures, Triggers and Replication**

Components of stored procedures

Creating and working with stored procedures/system stored procedures

Components of triggers

Creating and working with triggers

Replication model and types of replication

Merge replication

❖ **Data Transformation Services (DTS), Back Ups/Restores, Users, Roles, Logins and Analysis Manager**

Creating, importing and exporting DTS

Creating, scheduling backups and restores

Authentication types, users, roles, security plans

Configuring DSN, loading analysis manager and working with cubes

Work on a final project