



6 WEEKS TRAINING- SQL SERVER 2005

Installing Microsoft SQL Server 2005

Installing SQL Server 2005
Installing a Second Instance
Troubleshooting the Installation

Creating and Configuring Databases

Introducing Database Files
Introducing Filegroups
Introducing RAID-0
Introducing RAID-1
Introducing RAID-5
Introducing Extents and Pages
Creating and Configuring Databases

Working with Tables and Views

Introducing Built-in Datatypes
Introducing Computed Columns
Creating Tables
Restricting the Data
Introducing Constraints
Partitioning Tables
Understanding Views

Performing Indexing and Full-Text Searching

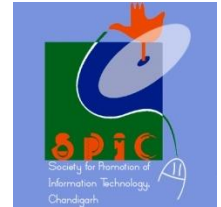
Understanding Clustered Indexes
Understanding Nonclustered Indexes

Introducing More Database Objects

Creating Stored Procedures
Recompiling Stored Procedures
Understanding Triggers
Introducing Functions

Implementing Security in SQL Server 2005

Using Windows Authentication Mode
Using Mixed Mode



Setting the Authentication Mode
Understanding SQL Server Logins
Understanding Fixed Server Roles
Understanding Permissions
Understanding Database Roles
Understanding Permission States
Introducing Ownership Chains
Introducing Linked Server Security

Working with Relational Data

Importing Data Using Bulk Insert
Importing Data Using the bcp Utility
Copying Data Using SSIS
Executing Implicit and Explicit Transactions
Committing and Rolling Back

Maintaining and Automating SQL Server

Reorganizing and Rebuilding Indexes
Understanding
DBCC CHECKDB
Understanding Automation Basics
Creating Operators
Creating Jobs
Creating Alerts

Performing Backups and Restores

Creating a Backup Device
Performing Full Backups
Performing Differential Backups
Performing Transaction Log Backups
Performing Filegroup Backups
Restoring Databases

Achieving High Availability through Replication

Introducing the Publisher/Subscriber Metaphor
Introducing Articles
Introducing Publications
Using Transactional Replication
Using Snapshot Replication
Using Merge Replication

Monitoring and Optimizing SQL Server 2005

Using System Monitor
Monitoring with SQL Profiler

PROJECT WORK