



CTREC HILTON
IT ACADEMY

5051 Westheimer
Suite 500
Houston, Texas 77056
(713) 255-0360
866-88-C-TREC
Fax (713) 622-1915

Class Code: 2780
Number of Days: 5
Format: Instructor-Led

Tuning and Optimizing Queries Using Microsoft SQL Server 2005

Course Description: This five-day instructor-led course provides students with the knowledge and skills to maintain a Microsoft SQL Server 2005 database. The course focuses on teaching individuals how to use SQL Server 2005 product features and tools related to maintaining a database.

Target Audience: This course is intended for IT Professionals who want to become skilled on SQL Server 2005 product features and technologies for maintaining a database.

Prerequisites: Before attending this course, students must have:

- Basic knowledge of the Microsoft Windows operating system and its core functionality.
- Working knowledge of Transact-SQL.
- Working knowledge of relational databases.
- Some experience with database design.

In addition, it is recommended, but not required, that students have completed:

- Course 2778: Writing Queries Using Microsoft SQL Server 2005 Transact-SQL.
- Course 2779: Implementing a Microsoft SQL Server 2005 Database.

Delivery Method: Instructor led, group-paced, classroom-delivery learning model with structured hands-on activities.

At Course Completion

After completing this course, students will be able to:

- Basic knowledge of the Microsoft Windows operating system and its core functionality.
- Working knowledge of Transact-SQL.
- Working knowledge of relational databases.
- Some experience with database design.

Course Outline

Module 1: Installing and Configuring SQL Server 2005

This module explains how to plan for and install SQL Server 2005, how to manage a SQL Server 2005 installation, and how to use the SQL Server 2005 administrative tools.

Lessons

- Preparing to Install SQL Server
- Installing SQL Server 2005
- Managing a SQL Server 2005 Installation

Lab : Installing and Configuring SQL Server 2005

- Performing an Installation
- Managing SQL Server

After completing this module, students will be able to:

- Explain how to prepare the hardware and other resources necessary to install SQL
- Install SQL Server 2005.
- Manage and configure a SQL Server 2005 installation.

Module 2: Managing Databases and Files

This module explains how to manage databases and files.

Lessons

- Planning Databases
- Creating Databases
- Managing Databases

Lab : Managing Databases and Files

- Creating a Database
- Monitoring and Managing Filegroup Usage
- Viewing Database Metadata

After completing this module, students will be able to:

- Plan how to implement a database that meets an organization's requirements.
- Create a SQL Server database.
- Manage a SQL Server database.