



CENTRAL BANK OF EGYPT
Egyptian Banking Institute

Technology Specialist: SQL Server 2005



Microsoft
GOLD CERTIFIED
Partner

Date:

Course 2779:

20, 21, 23, 27, 28 February and 2 March 2010

Course 2780:

6, 8, 10, 13, 15 and 17 March 2010

Duration:

80 Hours



Introduction

Microsoft Certified Technology Specialists in Microsoft SQL Server 2005 (MCTS: SQL Server 2005) implement and maintain databases using specific instructions and specifications. They have thorough knowledge of the product, understand how to use the tools and Transact-SQL language, and know how to explore the user interface. Technology Specialists typically pursue careers as database administrators, database developers, or business intelligence developers. They may also be developers and systems administrators who do not work with SQL Server daily but who want to show their breadth of technology experience.

Implementing a Microsoft SQL Server 2005 Database Course code 2779

Course Description:

This course provides participants with the knowledge and skills to implement a Microsoft SQL Server 2005 database. The course focuses on teaching individuals how to use SQL Server 2005 product features and tools related to implementing 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 implementing a database.

Course Objectives

After completing this course, participants will be able to:

- Create databases and database files.
- Create data types and tables.
- Use XML-related features in Microsoft SQL Server 2005.
- Plan, create, and optimize indexes.
- Implement data integrity in Microsoft SQL Server 2005 databases by using constraints.
- Implement data integrity in Microsoft SQL Server 2005 by using triggers.
- Implement views.
- Implement stored procedures.
- Implement functions.
- Implement managed code in the database.
- Manage transactions and locks.
- Use Service Broker to build a messaging-based solution.
- Use Notification Services to generate and send notifications.

Course Outline

- Creating Databases and Database Files
- Creating Data Types and Tables
- Using XML
- Creating and Tuning Indexes Implementing Data Integrity by Using Constraints
- Implementing Data Integrity by Using Triggers and XML Schemas
- Implementing Views
- Implementing Stored Procedures
- Implementing Functions
- Implementing Managed Code in the Database
- Managing Transactions and Locks
- Using Service Broker
- Using Notification Services (Optional)

Prerequisites

Before attending this course, participants 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.

Maintaining a Microsoft SQL Server 2005 Database Course Code 2780

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.



Course Objectives:

After completing this course, participants will be able to:

- Install and configure SQL Server 2005 .
- Manage database files .
- Backup and restore databases .
- Manage security.
- Monitor SQL Server .
- Transfer data into and out of SQL Server .
- Automate administrative tasks .
- Replicate data between SQL Server instances .
- Maintain high availability.

Course Outline

- Installing and Configuring SQL Server 2005
- Managing Databases and Files
- Disaster Recovery
- Managing Security
- Monitoring SQL Server
- Transferring Data
- Automating Administrative Tasks
- Implementing Replication
- Maintaining High Availability

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.

Language

English

Certification

How to earn your MCTS: SQL Server 2005 certification?

MCTS candidates must pass exam no. Exam 70-431

Instructors' Bios:

Mr. Mohamed EL Bashbishy;

Director of Systems and Information Technology at the Egyptian Banking Institute. He has worked in the field of Information and Communication Technology for sixteen years.

Mr. EL Bashbishy manages the System Analysis and Design activities, as well as, the Development Process of the EBI Training Management Information System (TMIS) which contains EBI training records since 1992 to date.

He is a Microsoft Certified Trainer and has delivered a lot of Database Management courses, as well as, Web Applications Development and Designing Security courses. He is certified from Microsoft on multiple technologies among which is MS SQL Server 2005, MS Office SharePoint Server 2007, MS BizTalk Server 2006, MS ASP .NET.



CENTRAL BANK OF EGYPT

Egyptian Banking Institute

Mr. Ahmed Ammar

Systems and Information Technology Assistant Manager at the Egyptian Banking Institute (EBI). He is responsible for designing, developing and implementing software solutions that are aligned with industry best practices. Mr. Ammar also translates requirements into functional specifications and schedules as well as evaluates and selects the necessary technologies to complete requirements.

His primary management duties include, but are not limited to, technical leadership and development of team members, supervision of developers and participation in future initiatives for new projects and facilities.

Mr. Ammar is a Microsoft Certified Trainer in the area of Solutions Development and Database Administration.

Course Agenda

Implementing a Microsoft SQL Server 2005 Database Course code 2779

Day	Date	From	To
Sat	2010/2/20	9:00 AM	5:00 PM
Sun	2010/2/21	9:00 AM	5:00 PM
Tue	2010/2/23	5:00 PM	9:00 PM
Sat	2010/2/27	9:00 AM	5:00 PM
Sun	2010/2/28	9:00 AM	5:00 PM
Tue	2010/3/2	5:00 PM	9:00 PM

Maintaining a Microsoft SQL Server 2005 Database Course Code 2780

Day	Date	From	To
Sat	2010/3/6	9:00 AM	5:00 PM
Mon	2010/3/8	9:00 AM	5:00 PM
Wed	2010/3/10	5:00 PM	9:00 PM
Sat	2010/3/13	9:00 AM	5:00 PM
Mon	2010/3/15	9:00 AM	5:00 PM
Wed	2010/3/17	5:00 PM	9:00 PM

To Register
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Venue

EBI headquarters, Nasr City

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Headquarters

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