MS20761 - Querying Data with Transact-SQL

Microsoft - SQL Server - Sviluppo

Durata:	Lingue:	Certificazione:
3 Giorni	**Italiano**	**MCSA SQL 2016 Database Development**

Descrizione del corso

This course is designed to introduce students to Transact-SQL. It is designed in such a way that the first three days can be taught as a course to students requiring the knowledge for other courses in the SQL Server curriculum. Days 4 & 5 teach the remaining skills required to take exam 70-761.

Programma

1. Introduction to Microsoft SQL Server 2016
    - The Basic Architecture of SQL Server
    - SQL Server Editions and Versions
    - Setting Started with SQL Server Management Studio
2. Introduction to T-SQL Querying
    - Introducing T-SQL
    - Understanding Sets
    - Understanding Predicate Logic
    - Understanding the Logical Order of Operations in SELECT statements
3. Writing SELECT Queries
    - Writing Simple SELECT Statements
    - Eliminating Duplicates with DISTINCT
    - Using Column and Table Aliases
    - Writing Simple CASE Expressions
4. Querying Multiple Tables
    - Understanding Joins
    - Querying with Inner Joins

- Querying with Outer Joins
- Querying with Cross Joins and Self Joins

5. Sorting and Filtering Data
   - Sorting Data
   - Filtering Data with Predicates
   - Filtering with the TOP and OFFSET-FETCH Options
   - Working with Unknown Values
6. Working with SQL Server 2016 Data Types
   - Introducing SQL Server 2016 Data Types
   - Working with Character Data
   - Working with Date and Time Data
7. Using DML to Modify Data
   - Inserting Data
   - Modifying and Deleting Data
8. Using Built-In Functions
   - Writing Queries with Built-In Functions
   - Using Conversion Functions
   - Using Logical Functions
   - Using Functions to Work with NULL
9. Grouping and Aggregating Data
   - Using Aggregate Functions
   - Using the GROUP BY Clause
   - Filtering Groups with HAVING
10. Using Subqueries
    - Writing Self-Contained Subqueries
    - Writing Correlated Subqueries
    - Using the EXISTS Predicate with Subqueries