

MOC20761A

Querying Data with Transact- SQL

MODULE 1: INTRODUCTION TO MICROSOFT SQL SERVER 2016

- ✓ The Basic Architecture of SQL Server
- ✓ SQL Server Editions and Versions
- ✓ Getting Started with SQL Server Management Studio

MODULE 2: INTRODUCTION TO T-SQL QUERYING

- ✓ Introducing T-SQL
- ✓ Understanding Sets
- ✓ Understanding Predicate Logic
- ✓ Understanding the Logical Order of Operations in SELECT statements

MODULE 3: WRITING SELECT QUERIES

- ✓ Writing Simple SELECT Statements
- ✓ Eliminating Duplicates with DISTINCT
- ✓ Using Column and Table Aliases
- ✓ Writing Simple CASE Expressions

MODULE 4: QUERYING MULTIPLE TABLES

- ✓ Understanding Joins
- ✓ Querying with Inner Joins
- ✓ Querying with Outer Joins
- ✓ Querying with Cross Joins and Self Joins

MODULE 5: SORTING AND FILTERING DATA

- ✓ Sorting Data
- ✓ Filtering Data with Predicates
- ✓ Filtering with the TOP and OFFSET-FETCH Options
- ✓ Working with Unknown Values

MODULE 6: WORKING WITH SQL SERVER 2016 DATA TYPES

- ✓ Introducing SQL Server 2016 Data Types
- ✓ Working with Character Data
- ✓ Working with Date and Time Data

MODULE 7: USING DML TO MODIFY DATA

- ✓ Inserting Data
- ✓ Modifying and Deleting Data

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MODULE 8: USING BUILT-IN FUNCTIONS

- ✓ Writing Queries with Built-In Functions
- ✓ Using Conversion Functions
- ✓ Using Logical Functions
- ✓ Using Functions to Work with NULL

MODULE 9: GROUPING AND AGGREGATING DATA

- ✓ Using Aggregate Functions
- ✓ Using the GROUP BY Clause
- ✓ Filtering Groups with HAVING

MODULE 10: USING SUBQUERIES

- ✓ Writing Self-Contained Subqueries
- ✓ Writing Correlated Subqueries
- ✓ Using the EXISTS Predicate with Subqueries

MODULE 11: USING SET OPERATORS

- ✓ Writing Queries with the UNION Operator
- ✓ Using EXCEPT and INTERSECT
- ✓ Using APPLY

Sono previste esercitazioni pratiche su tutti gli argomenti trattati.