20761C

Querying Data with Transact-SQL

Contents

Lesson 3: Filtering Data with TOP and OFFSET-FETCH
Lesson 4: Working with Unknown Values
Lab: Sorting and Filtering Data

Module 6: Working with SQL Server 2016 Data Types
Lesson 1: Introducing SQL Server 2016 Data Types
Lesson 2: Working with Character Data
Lesson 3: Working with Date and Time Data
Lab: Working with SQL Server 2016 Data Types

Module 7: Using DML to Modify Data
Lesson 1: Adding Data to Tables
Lesson 2: Modifying and Removing Data
Lesson 3: Generating Automatic Column Values
Lab: Using DML to Modify Data

Module 8: Using Built-In Functions
Lesson 1: Writing Queries with Built-In Functions
Lesson 2: Using Conversion Functions
Lesson 3: Using Logical Functions
Lesson 4: Using Functions to Work with NULL
Lab: Using Built-in Functions

Module 9: Grouping and Aggregating Data
Lesson 1: Using Aggregate Functions
Lesson 2: Using the GROUP BY Clause
Lesson 3: Filtering Groups with HAVING
Lab: Grouping and Aggregating

Module 10: Using Subqueries
Lesson 1: Writing Self-Contained Subqueries
Lesson 2: Writing Correlated Subqueries
Lesson 3: Using the EXISTS Predicate with Subqueries
Lab: Using Subqueries

Module 11: Using Table Expressions
Lesson 1: Using Views
Lesson 2: Using Inline TVFs
Lesson 3: Using Derived Tables
Lesson 4: Using CTEs
Lab: Using Table Expressions

Module 12: Using Set Operators

Lesson 1: Writing Queries with the UNION Operator
Lesson 2: Using EXCEPT and INTERSECT
Lesson 3: Using APPLY
Lab: Using Set Operators

Module 13: Using Window Ranking, Offset, and Aggregate Functions

Lesson 1: Creating Windows with OVER
Lesson 2: Exploring Window Functions
Lab: Using Window Ranking, Offset, and Aggregate Functions

Module 14: Pivoting and Grouping Sets

Lesson 1: Writing Queries with PIVOT and UNPIVOT
Lesson 2: Working with Grouping Sets
Lab: Pivoting and Grouping Sets

Module 15: Executing Stored Procedures

Lesson 1: Querying Data with Stored Procedures
Lesson 2: Passing Parameters to Stored Procedures
Lesson 3: Creating Simple Stored Procedures
Lesson 4: Working with Dynamic SQL
Lab: Executing Stored Procedures

Module 16: Programming with T-SQL

Lesson 1: T-SQL Programming Elements
Lesson 2: Controlling Program Flow
Lab: Programming with T-SQL

Module 17: Implementing Error Handling

Lesson 1: Implementing T-SQL Error Handling
Lesson 2: Implementing Structured Exception Handling
Lab: Implementing Error Handling

Module 18: Implementing Transactions

Lesson 1: Transactions and the Database Engine
Lesson 2: Controlling Transactions
Lab: Implementing Transactions