

Using T-SQL to Manage Data, Query Data, and Program Databases

This intermediate T-SQL training prepares administrators to leverage SQL Server's extended functionality, enhancing control over instances. You'll learn to perform complex operations with T-SQL, including transaction control, exception handling, and querying data across multiple tables. This T-SQL course course also covers temporal and non-relational data and error handling for robust database management.

[CBT Nuggets course material](#) →

WEEK 1

Manage Data with T-SQL

170 min.

The SELECT Statement	7
Writing Basic SELECT Queries	23
Filtering Results	20
Combining Results	19
Table Joins	6
Querying Multiple Tables with JOINS	23
Built-In Functions	7
Writing Queries with Built-In Functions	25
Grouping and Aggregating Data	5
Modifying Data with DML	9
Writing Queries that Modify Data	26

WEEK 2

Query Data with T-SQL

160 min.

Overview	1
Subqueries and APPLY	7
Writing Subqueries and using APPLY	18
Table Expressions	5
Writing Queries using Table Expressions	23
Pivoting and Ranking Data	10
Writing Queries that Pivot and Rank Data	21
Temporal and Non-Relational Data	7
Writing Queries against Temporal Data	17
Writing Queries against XML and JSON Data	22

Program Databases by using T-SQL

Overview	1
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Programmable Database Objects	8
Creating Views	18

WEEK 3

92 min.

Creating User-defined Functions	18
Creating Stored Procedures	20
Transactions and Error Handling	5
Implementing Transactions and Error Handling	19
Working with Data Types and Handling NULL Values	17
SSMS Tips and Tricks	12