Training: Microsoft

# MS-55366 Querying Microsoft SQL Server with Transact-SQL

Microsoft Partner

## TRAINING GOALS:

This five-day instructor-led course is intended for IT professionals who wish to use the Transact-SQL language to query and configure Microsoft SQL Server. Students are typically database developers and database administrators, but might also be Business Intelligence developers, report creators, or application developers. In this course, students learn how to query single tables, join data from multiple tables, filter and sort data, modify data, use procedures and functions, and implement error handling.

**After completing the course, student knows how to:**

- Create single table SELECT queries
- Create multiple table SELECT queries
- Filter and sort data
- Insert, update, and delete data
- Query data using built-in functions
- Create queries that aggregate data
- Create subqueries
- Create queries that use table expressions
- Use UNION, INTERSECT, and EXCEPT on multiple sets of data
- Implement window functions in queries
- Use PIVOT and GROUPING SETS in queries
- Use stored procedures in queries
- Add error handling to queries
- Use transactions in queries

**Audience profile:**

This course is intended for novice database developers, database administrators, Business Intelligence developers, report creators, and application developers who have an understanding of relational database concepts and have basic Windows navigation skills.

## CONSPECT:



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- Introduction to Transact-SQL
- Joining tables with Transact-SQL
- Filtering and sorting results
- SQL Server data types
- Inserting, updating and deleting data
- Using SQL Server functions with Transact-SQL
- Aggregating data with Transact-SQL
- Implement subqueries with Transact-SQL
- Create queries that use table expressions
- Use UNION, INTERSECT, EXCEPT and APPLY on multiple sets of data
- Implement window functions in queries
- Use PIVOT and grouping sets in queries
- Use stored procedures in queries
- Implement programming features in Transact-SQL
- Add error handling to queries
- Use transactions in queries

## REQUIREMENTS:

- Basic understanding of relational databases.
- Basic Windows knowledge.

## Difficulty level



## CERTIFICATE:

Certificate of completing an authorized Microsoft training

## TRAINER:

Microsoft Certified Trainer



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