

SQL Server Certification Course

Online(Self-Paced)

Gain practical SQL skills in this hands-on certification program, where you'll learn to write queries, manage data, and analyze results using Microsoft SQL Server.

For more information, visit

<https://cl.nobledesktop.com/tech/courses/sql-server-certification-self-paced>



Course Outline

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This package includes these courses

- SQL Level I Course Online (Self-Paced) (6 Hours)
- SQL Level II Course Online (Self-Paced) (6 Hours)
- SQL Level III Course Online (Self-Paced) (6 Hours)

SQL Level I Course Online (Self-Paced)

- Understand core database concepts, including tables, rows, columns, and different types of SQL
- Connect to databases and navigate SQL Server Management Studio using tools like Object Explorer and Query Editor
- Write SELECT statements to retrieve data, specify columns, sort results, and remove duplicates
- Use WHERE, AND, OR, IN, and NOT clauses to filter data and apply pattern matching with wildcard characters
- Explore data types, comparison operators, and case sensitivity to refine queries with greater control
- Learn to join tables using INNER JOIN and understand relational database concepts through ER diagrams and table aliases

SQL Level II Course Online (Self-Paced)

This intermediate SQL course expands your ability to analyze and manipulate data through advanced querying techniques.

Learn to work with joins, data types, aggregate functions, and date/time operations to uncover deeper insights and organize complex datasets.

- Compare INNER and OUTER JOIN types and use LEFT, RIGHT, and FULL JOINs to combine data across tables
- Identify and work with NULL values to ensure complete and accurate data analysis
- Use the CAST function to convert data types and make your queries more flexible
- Perform calculations with aggregate functions like SUM, COUNT, AVG, MAX, and MIN to summarize data
- Apply date functions to extract, format, and compare dates for time-based analysis
- Group results using GROUP BY and filter grouped data using the HAVING clause for advanced segmentation

SQL Level III Course Online (Self-Paced)

- Write subqueries to create layered queries using single-value, multi-value, and table-value structures
- Use window functions with OVER and PARTITION BY to apply aggregate logic across rows without grouping
- Implement conditional logic with CASE and IIF statements to dynamically transform query results
- Manipulate text data using string functions like SUBSTRING, CHARINDEX, UPPER, and more
- Apply self-joins to compare records within the same table and understand their structure and use cases
- Build and query views, user-defined functions, and stored procedures to modularize your SQL code