COURSE SYLLABUS

SQL Server Level II

Build on your knowledge of SQL fundamentals and enhance your skills to filter, group, and analyze data in this intermediate SQL course.

> Group classes (NYC) and onsite training are available for this course. For more information, email corporate@nobledesktop.com or visit: https://training-nyc.com/courses/sql-level-2



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Course Outline

Inner vs Outer JOIN

Outer Joins & Finding NULLs

- Left Join
- Right Join
- Full Join
- Find NULL values

Manipulating, Aggregating, & Filtering Data

Using CAST to Change Data Types

Why and how to use CAST to make a data type fit your query's needs

Aggregate Functions

- Using Aggregate Functions to perform common statistical calculations
- Using SUM, COUNT, AVG, MAX & MIN

Working with Dates & Time

- Date Functions: Getting the desired part of a date/time (Year, Month, Day, etc.)
- Formatting dates, including the day of the week (Sunday, Monday, etc.)
- Calculating the difference between 2 dates

Grouping Data & Filtering Grouped Data

Grouping Data with Aggregate Functions

- Using GROUP BY to organize results into categories
- Applying Aggregate Functions to groups

Filtering Grouped Data with HAVING

- Using HAVING to filter the results of a GROUP BY
- HAVING vs WHERE