COURSE SYLLABUS

SQL 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://www.careercenters.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