

SQL Level 3

SQL III students learn how to build and maintain a highly efficient database that incorporates best practices in database management, including exporting external data, creating temporary tables, protecting data integrity, and maximizing procedural efficacy. With these advanced skills in your repertoire, you'll be prepared to launch a career in database management!

Group classes in NYC and onsite training is available for this course. For more information, email hello@nobledesktop.com or visit: <https://www.nobledesktop.com/classes/sql-level-3>



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Course Outline

Advanced Query Techniques

Conditionals

- Adding If-Else Logic with CASE
- Simple CASE vs Searched CASE

String Functions

- Manipulating text using string functions
- Using SUBSTRING, LEFT/RIGHT, CHARINDEX, UPPER, etc.
- Combining with Inline IF statements (IIF)

Subqueries

- Subqueries: Queries within queries
- Single-Value vs Multi-Value Subqueries

Views

Creating & Using Views

- What are Views?
- The Advantages & Disadvantages of using Views
- Creating & Deleting a View
- Querying a View

Variables & User-Defined Functions

Variables

- What are variables and why would you use them?
- Creating & Using Variables

User-Defined Functions

- Creating User-Defined Functions
- Using Variables in User-Defined Functions

Stored Procedures

Creating & Using Stored Procedures

- The difference between Views, User-Defined Functions, and Stored Procedures
- Creating & Using Stored Procedures