

# SQL Level I

This Level I course covers SQL fundamentals including relational database management systems (RDBMSs), Microsoft SQL Server, and the SQL programming language. Through this course, you'll gain an understanding of how data is stored and you'll learn how to write queries to make sense of complex data.

Group classes in NYC and onsite training is available for this course. For more information, email [hello@nobledesktop.com](mailto:hello@nobledesktop.com) or visit: <https://www.nobledesktop.com/classes/sql-level-1>



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## Course Outline

### Basic Concepts

- Microsoft SQL Server
- What is SQL?
- What are Relational Databases?

### The Graphic User Interface

- Object Explorer
- Query Window
- Results Grid
- Options

### The Code

- Basic Clauses
- Field and Table Aliases
- Creative use of Aliases
- Inner and Outer Table Joins
- Self Joins
- Union Joins
- Cross Joins
- Aggregations
- Distinct Records
- Text Criteria & Operators
- Wildcard Filters
- Numeric Criteria & Operators

### Student Labs

Complete a hands-on project to retain and refine skills