

# SQL Bootcamp

Learn to extract information from databases by writing SQL queries, joining tables, aggregating data, and filtering results so you can turn data into actionable insights.

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



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## Course Outline

This package includes these courses

- SQL Level I (6 Hours)
- SQL Level II (6 Hours)
- SQL Level III (6 Hours)

### SQL Level I

- Explore information stored in a database (tables, columns, rows, etc.) using the graphical interface of SQL Server Management Studio (Microsoft's free database app)
- Write SQL queries to retrieve data from tables in a database
- Primary SQL clauses including SELECT and FROM
- Filtering the results using WHERE, AND/OR, IN, and NOT
- Wildcard filters as well as mathematical comparisons like equals, greater than, less than, etc.
- Combine information from multiple tables with inner JOINS

### SQL Level II

- Learn to use Outer Joins and find NULL data
- Group data and perform common statistical calculations using Aggregate Functions
- Filter grouped data with HAVING
- Use CAST to make a data type fit your query's needs
- Work with dates and time

### SQL Level III

- Use Subqueries to grab data from anywhere in a database and use that result in another query
- Query from Views instead of tables
- Add If-Else logic to queries using CASE

- Learn how to use Functions, and execute reusable Stored Procedures
- Use String Functions to get just the part of text you need