COURSE SYLLABUS

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 (NYC) and onsite training are available for this course. For more information, email 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