

SQL Bootcamp

Delve into all SQL has to offer—queries, subqueries, views, tables, indexes and stored procedures in a three-day SQL Bootcamp. Go from novice to guru in just 24 hours of training.

Group classes in NYC and on-site training is available for this course.

For more information, email nyc@careercenters.com or visit: careercenters.com/courses/sql-bootcamp-nyc



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Course Outline

This package includes these courses

- SQL Level I
- SQL Level II
- SQL Level III

SQL Level I

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 Table Joins
- Aggregations
- Distinct Records
- Text Criteria & Operators

- Wildcard Filters
- Numeric Criteria & Operators

Student Labs

SQL Level II

The Code

- Self Joins
- Union Joins
- Cross Joins

Saving Queries Programmatically

- Views
- Functions
- Stored Procedures
- Layered Views
- Create Top Value Views

Sub Queries

- What is a Sub Query?
- Clarity and Transparency
- Single Table Sub Query
- Multiple Table Sub Query
- Exists versus In Operators
- Any versus All Operator

Math, Advanced Functions and Logic Statements

- Basic Math
- Advanced Date and Time Functions
- Advanced Text Functions
- Case When Then Logic Statements
- Variables and User Functions

Student Labs

- Creating Views
- Sub Queries
- Advanced Functions
- Logic and Date Functions

SQL Level III

Importing and Exporting Data

- Creating a Database and Tables in SQL
- Importing and Exporting Data from and to Excel
- Importing and Exporting Data from and to Access
- Importing, Updating and Deleting Data via Code

Building Control Structures

- Creating Primary Keys, Indexes and Constraints
- Setting up Referential Integrity
- Creating Database Diagrams

Temporary Tables

- Low Level Security Overview
- Local Temp Tables
- Global Temp Tables

Stored Procedures

- Parameter Queries using Variables through Views
- Automation of Workflow Processes
- Triggers to Create Workflow Events

Optional

- Protect Views with Schema binding
- Data Conversion Functions