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

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

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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