

# SQL Level III

Master advanced SQL processes and controls. Create stored procedures and temporary tables.

Connect to external data sources like Microsoft Applications applications and manipulate data with constraints, indexes, and triggers. In SQL 3, you'll gain the skills to begin a career in database management.

Group classes in NYC and on-site training is available for this course. For more information including upcoming class dates and pricing, visit [training-nyc.com/courses/sql-level-3](https://training-nyc.com/courses/sql-level-3) or email [contact@nyimtraining.com](mailto:contact@nyimtraining.com)

## Course Outline

### Importing and Exporting Data

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

### Building Control Structures

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- 5) Creating Primary Keys, Indexes and Constraints
- 6) Setting up Referential Integrity
- 7) Creating Database Diagrams

### Temporary Tables

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- 8) Low Level Security Overview
- 9) Local Temp Tables
- 10) Global Temp Tables

### Stored Procedures

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- 11) Parameter Queries using Variables through Views
- 12) Automation of Workflow Processes
- 13) Triggers to Create Workflow Events

# Optional

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## Protect Views with Schema binding

### Data Conversion Functions

- String Functions
- Cast Function
- Convert Function
- Rounding Functions