



SQL Beginner + Intermediate Training Curriculum

SQL Training Topics

- ▶ Database structure
- ▶ Order By
- ▶ Where
- ▶ Aggregate functions
- ▶ Date functions
- ▶ Joins
- ▶ Calculated fields
- ▶ Cast* (Subject to schedule)
- ▶ Text, dates, and numeric data types

Training Syllabus

Database Structure and Data Types

- Overview of relational databases, data flow, and review common SQL terms
- Database, schema, and tables overview

Retrieving Data from a Single Table

- Retrieve data from a single table via the utilization of **SELECT** and **FROM** statements
- Sorting data using **ORDER BY** statements
- Extract various date based data from date fields

Filtering, Calculating, and Aggregating Data

- Utilize conditional operators to filter data using **WHERE** statements
- Perform mathematical operations on multiple fields via calculated fields
- Calculate formulas using **aggregate functions**
- Conversion of various data types via **CAST** (text, dates, numeric, etc.)

Retrieving Data from Multiple Tables

- Retrieve data from at least 4 tables using various forms of **JOINS**