



To register or for more information call our office **(208) 898-9036** or email [register@leapfoxlearning.com](mailto:register@leapfoxlearning.com)

## SQL Querying – Level Two

**Duration:** One day

**Prerequisites:**

SQL Querying Level One or equivalent

**Description:**

This course is aimed for those looking to expand their SQL knowledge beyond the basics of just SELECTING data, the main focus of the SQL Level One: Introduction to Database Querying course. This course will focus on the SELECT statement in regards to advanced joins and sub queries, but it will mainly focus on “action” queries, queries that change data and create and structure tables and views. For good measures, you will also see some tips on making your SQL queries run faster and more efficiently.

**Target Audience:** Students should have basic introductory SQL skills, basic computer skills, and be familiar with concepts related to database structure and terminology.

## Outline

- **Joins and Subqueries**
  - Reviewing Inner and Outer Joins
  - Using a Where Clause as an Inner Join
  - Using Subqueries
- **Action Queries**
  - Using the Insert Keyword
  - Using Update Statements
  - Using the Delete Keyword
- **Working with Views**
  - Creating a View to Simplify Data Retrieval
  - Altering a View
  - Creating a View to Restrict Accessible Data
  - Inserting Data Through a View
  - Deleting Views
- **Using SQL to Structure Databases**
  - Understanding Data Types
  - Creating Tables
  - Altering Tables
  - Deleting Tables
- **Using Temp Tables to Optimize Queries**
  - Temp Table Scenarios
  - Creating Temp Tables
  - Executing SQL Code using Temp Tables
- **Transactions**
  - Building a Transaction
  - Testing a Transaction
- **Indexing**
  - Creating a Single-Column Index
  - Creating a Multiple-Column Index
  - Dropping an Index



**Microsoft** Partner  
Silver Learning

To register or for more information call  
our office **(208) 898-9036** or email  
[register@leapfoxlearning.com](mailto:register@leapfoxlearning.com)

