



SQL Training Outline

Lesson 1: SQL Terminology

- Key Words Defined
- Types of SQL
 - Microsoft T-SQL
 - Oracle MySQL
- SQL Interfaces
 - Command Line
 - Graphical User Interface (GUI)
- SQL Syntax Best-Practice

Lesson 2: Connect To A SQL Server

- Microsoft T-SQL
 - Command Line
 - GUI
- Oracle MySQL
 - Command Line
 - GUI
- Use A Table
 - T-SQL
 - Command Line
 - GUI
 - MySQL
 - Command Line
 - GUI
- Execute A Query
 - T-SQL
 - Command Line
 - GUI
 - MySQL
 - Command Line
 - GUI

Lesson 3: Select From A Single Table

- Select All Columns And Rows
- Select Specific Columns
- Select Specific Rows with Where
- Find Data With Wildcards
 - Like
 - Between And
- Sort Queries With Order By
- Top Queries
- Cast Function
- Concatenate Text
- Coalesce Functions For Null Values
- Cast Function
- Convert Function
- Distinct Clause

Lesson 4: Select From Multiple Tables

- ANSI 89 - Where Clause
- ANSI92 - Join Clause
- Avoid Ambiguity
- SQL Designer
- SQL Calculated Columns
- SUM Function
- Group By Repeating Values
- Calculate With Variables
- Cross Join Queries
- Inner Join Queries

Lesson 5: Action Queries

- Create A Database
- Create A Table
 - T-SQL
 - MySQL
- Table Options
 - Fields
 - Data Types
 - Null
 - Auto Increment
- Create Indices
- Insert Rows
 - Primary Key Considerations
 - Foreign Key Considerations
- Append Rows
 - Copy and Paste
 - Import And Append
- Delete Rows
- Drop Tables
- Update Queries

Lesson 6: Views And Stored Procedures

- Views
- Stored Procedures

Lesson 7: Export Data

Lesson 8: SQL Resources