



6. Database Training

6.2 My SQL

Prerequisites:

1. SQL

Duration: 30 Lectures

Course Content:

1. Introduction Relational Database Basics

- 1.1. Brief History of SQL
- 1.2. Relational Databases
- 1.3. Popular Databases
- 1.4. SQL Statements

2. Simple SELECTs

- 2.1. Introduction to the Northwind Database
- 2.2. Some Basics
- 2.3. SELECTing All Columns in All Rows
- 2.4. Exploring the Tables
- 2.5. SELECTing Specific Columns
- 2.6. SELECTing Specific Columns
- 2.7. Sorting Records
- 2.8. Sorting Results
- 2.9. The WHERE Clause and Operator Symbols
- 2.10. Using the WHERE clause to check for equality or inequality
- 2.11. Using the WHERE clause to check for greater or less than
- 2.12. Checking for NULL
- 2.13. Using WHERE and ORDER BY Together
- 2.14. The WHERE Clause and Operator Words
- 2.15. More SELECTs with WHERE



- 2.16. Checking Multiple Conditions
- 2.17. Writing SELECTs with Multiple Conditions

3. Advanced SELECTs

- 3.1. Calculated Fields
- 3.2. Calculating Fields
- 3.3. Aggregate Functions and Grouping
- 3.4. Working with Aggregate Functions
- 3.5. Built-in Data Manipulation Functions
- 3.6. Data Manipulation Functions

4. Subqueries, Joins and Unions

- 4.1. Subqueries
- 4.2. Subqueries
- 4.3. Joins
- 4.4. Using Joins
- 4.5. Outer Joins
- 4.6. Unions
- 4.7. Working with Unions

5. Conditional Processing with CASE

- 5.1. Using CASE
- 5.2. Working with CASE

6. Inserting, Updating and Deleting Records

- 6.1. INSERT
- 6.2. Inserting Records
- 6.3. UPDATE
- 6.4. DELETE
- 6.5. Updating and Deleting Records



7. Creating and Modifying Tables

- 7.1. Data Types
- 7.2. Creating Tables
- 7.3. Creating Tables
- 7.4. Adding and Dropping Columns
- 7.5. Renaming Tables
- 7.6. Dropping Tables

8. Views

- 8.1. Creating Views InnoDB
- 8.2. Dropping Views
- 8.3. Benefits of Views
- 8.4. Creating a View

9. Stored Procedures

- 9.1. Creating Stored Procedures
- 9.2. Dropping Stored Procedures
- 9.3. Creating a Stored Procedure
- 9.4. Benefits of Stored Procedures