

ColdFusion Level 1



Course Duration: 5 days

Description

This course will provide the student with an overview of database manipulation using SQL statements in Macromedia's ColdFusion environment.

Audience

Advanced HTML developers.

Prerequisites

A familiarity with relational databases and HTML forms.

Objective

Upon completion of this course, the student will be able to:

- Setup the ColdFusion environment
- Insert data into a database
- Edit existing data in a database
- Delete data from a database
- Query the database using SQL statements
- Perform client side validation
- Execute conditional statements

Course Outline:

1. Getting Started

- What is ColdFusion?
- Add an ODBC datasource
- Connecting to a database
- Build queries and display the results in various formats
- Using ColdFusion functions to format
- Define debugging options
- Collect user input from form elements
- Dynamically populating form elements with values retrieved from the database

2. Adding New Data

- Adding records to a database using the INSERT SQL command and the `<cfinsert>` tag
- When do we have to use the SQL command over the ColdFusion tag?
- Creating and insert application

3. Updating Existing Records

- Update process
- Updating existing records using the UPDATE SQL command and the `<cfupdate>` tag
- When do we have to use the SQL command over the ColdFusion tag?
- Creating and update application

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4. **Deleting Records**
 - Pros and cons of deleting data
 - DELETE SQL command
 - Creating a delete application

5. **Conditional Statements**
 - Perform conditional logic
 - Understand when it is best to use which conditional logic statement
 - Develop ColdFusion applications to accept and display data collected from users to search the database

6. **Validation**
 - Use ColdFusion to perform client-side validation
 - Use ColdFusion's built in server-side validation options
 - Create custom error messages

7. **Drill-down Applications**
 - Use URL parameters to create a dynamic data drill-down page
 - Displaying images dynamically

8. **Working With Variables**
 - Create and work with variables

9. **Displaying X number of records at a time**

10. **Including Reusable Code**

11. **Redirecting a User to a URL**