

# ColdFusion MX 7 demo courses

## ColdFusion MX 7

ColdFusion is a powerful platform-independent server-side technology used to create powerful database-driven applications. Built into ColdFusion is an application server which uses the ColdFusion Markup Language (CFML). ColdFusion MX7 can be run on various web servers, and includes a JRUN web server that can be used for development purposes. CFML offers built-in tags and functions so users do not have to have a background in programming in order to use ColdFusion. ColdFusion MX7 provides for customized tags and components making it much easier than other languages to extend and customize the language to fit the needs of any application. VTC author Candyce Mairs guides you through the use of these features to build your own site. Included are work files so you may work along with her. To begin learning simply click the links.

Introduction  
Welcome

Course Topics

Course Prerequisites

Software Requirements/Installation

The Role of Coldfusion  
Client-Server Environment

Static vs. Dynamic Requests

Coldfusion Defined

Coldfusion Editors

Course Setup  
Installing Coldfusion

Testing the Setup

Installing the Course Files

Installing Dreamweaver

Dreamweaver Preferences

Installing the Course Database

Introducing Dreamweaver  
Dreamweaver Interface

Setup the Course Site

Application Panel

Preview Options

Browser Setup

Coldfusion Fundamentals  
Working with Templates

Basic CFML Tags

Commenting Code

CF Includes

Processing Flow

Creating Header/Footer Templates

Build Basic Template

CFML Basics

What is a Variable?

Set/Display Variables

Expressions

Working with Expressions Pt.1

Working with Expressions Pt.2

Lists

Arrays Pt.1

Arrays Pt.2

Structures

CF Operators

Using CF Datatypes

CFDUMP

CF Functions

What is a function?

Basic CFML Functions Pt.1

Basic CFML Functions Pt.1

Common Functions

ColdFusion Variables

Variable Scopes

HTML Statelessness

URL Variables

Passing/Displaying URL Variables

Testing for URL Variables Pt.1

Testing for URL Variables Pt.2

CFML Conditionals/Loops

Conditional Processing

If Statements

Switch Statements

What is a Looping Statement?

CF Looping

Index Loops

List Loops

Nested Loops

Default Value Variables

Databases  
Relational Databases

Connection Basics

Set Up the Course Database

Review Course Database

Basic SQL Statements  
SELECT Statement Syntax

INSERT Statement Syntax

UPDATE Statement Syntax

DELETE Statement Syntax

INNER JOIN

SQL Wildcard

Using the Recordset Builder

Creating Data-Driven Pages  
CFQUERY Tag

Displaying Database Data

Display All Query Rows

Using Query Variables

Grouping Result Output

Using the Dynamic Table

Using Data-Drill Down

Recordset Paging

Debugging Queries

Coldfusion Forms  
Form Basics

Form Methods

Creating Forms Pt 1

Creating Forms Pt 2

Form Tag

Form Processing

Fields Not Submitted

Testing for Variables

Form Data Validation  
Types of Form Validation

Behaviors

Redirecting the User

Server-Side Validation

Coldfusion Form Tags  
CFFORM Tag

CFINPUT/CFTEXTAREA

SUMA Form

CFSELECT

Combine Static Options

Preserving Form Data

Change/Add Data Using Forms  
Inserting Data

CFINSERT

Form with CFINSERT

Updating Data

CFUPDATE

An Update Interface

Deleting Data

Form to Email  
The Process

CFMAIL

Email from Forms

Debugging/Troubleshooting  
Troubleshooting

Debugging Options

Preventing Problems

Closing  
Additional Resources

Coldfusion Hosting

Credits  
About the Author