

IBM Lotus Notes Domino 8 Application Development Intermediate Skills (D8530)



Course Duration: 3 days

Topics to be covered:

Working with Strings, Lists, and Loops

Writing Formulas to Manipulate Text Values

- Useful Functions for Inspecting and Searching Text
- Inspecting and Searching Strings
- Useful Functions for Parsing a String
- Examples of Parsing a String

Working with Lists

- Creating Lists
- List Operations
- List Operations
- Using the List Subscript Operator
- Useful Functions for Inspecting Lists
- Useful Functions for Modifying Lists
- Useful Functions for Converting Lists

Creating Iterative Formulas

- Iterative Statement Functions
- Using a For Loop
- Using a While Loop
- Using a DoWhile Loop

Writing Formulas to Interact with the User

Using the @Prompt Function

- Introducing The @Prompt Function
- Examples of User Prompts
- The @Prompt Function @Prompt Styles

Working with the @DialogBox Function

- The @DialogBox Function

- Using the @DialogBox Function
- Creating a Form for @DialogBox

Using Layout Regions

- Layout Regions
- Creating a Layout Region
- Adding Elements to a Layout Region

Advanced View Design

Using a Background Image in a View

- Background Images
- Background Image Formatting Options
- Adding a Background Image to a View

Hiding a View Column

- Hiding Columns
- Using a Formula to Hide a Column

Modifying View Elements

- Highlighting View Documents
- Programmatically Setting Colors in a View
- Creating a View Column to set the Colors of a Row
- Using Values to Specify the View Text Color
- Using Values to Specify the View Background Color and Text Color
- Hiding the Color Column
- Expanding a Column to Use the Available Width

Working with Embedded Elements

- Adding an Embedded Editor to the Form

- Preventing a Document from Being Saved
- Combining Embedded Elements
- Embedded Schedulers

Adding Navigational Elements Using Links and Imagemaps

Linking to Other Documents and Pages

- Types of Links
- Creating a Link Hotspot on a Page or Form
- The Hotspot Resource Link Properties
- Named Element Links
- Creating a Named Element Link in the Properties Box
- URL Links
- Creating a URL Link

Creating Imagemaps

- Imagemaps
- Describing Hotspots on an Image
- Creating a Hotspot on an Image

Working with Outlines

Creating an Outline

- The Outline Design Element
- Process of Creating an Outline
- Create an Outline
- Default Outlines
- Creating a Default Outline

Adding Outline Entries

- Outline Entries
- Creating a Hierarchical Outline
- Creating an Outline Entry

Modifying Outline Entries

- Setting Outline Entry Properties
- Indenting and Outdenting Outline Entries

Embedding an Outline

- Embedding Outlines
- Embedded Outline Properties
- Formatting an Embedded Outline

Creating a Frameset

Adding a Frameset to an Application

- What are Frames?
- What are Framesets?
- Structuring a Frameset
- Guidelines for Designing Framesets
- Creating a Frameset

Adding Content to a Frame

- Specifying Frame Information
- Specifying a Content Source
- Using a Target Frame
- Specifying the Default Target Frame
- Target Frame Precedence
- Placing a Page in a Frame

Launching an Application Frameset

- Setting Database Properties to Launch a Frameset

Adjusting Framesets

- Adding New Frames to a Frameset
- Launching Individual Elements in a Specific Frame
- Opening Documents in a Frame
- Setting a Target Frame

Accessing Data in IBM® Lotus® Domino® Databases

Accessing Data from a View

- Common Arguments for @Db Functions
- Options for Caching the Results of a Lookup
- Guidelines for Caching the Results of a Lookup

- Specifying a Database for Lookups
- How Lotus Notes® Searches for a Replica
- Using @DbColumn
- Using @DbLookup
- Optional Keywords for @DbLookup
- Optional Keywords for @DbLookup

Using @PickList

- Advantages of @PickList
- Styles of PickLists
- Displaying a View with @PickList
- Displaying a Domino Directory View with @PickList

Working with Profile Documents

- Introducing Profile Documents
- Characteristics of Profile Documents
- Guidelines for Using Profile Documents
- Designing a Form for Creating Profile Documents
- Creating a Profile Document with Formulas
- Reading Data in Profile Documents
- Updating Data in Profile Documents

Accessing Non-Domino Data

Introducing Microsoft Open Database Connectivity

- Using ODBC
- Working with ODBC Drivers
- ODBC Driver Configuration
- ODBC Driver Configuration
- Example dBase Table

Using @Db Functions to Access an ODBC Data Source

- Accessing Relational Data from IBM® Lotus® Domino® with ODBC
- Comparing the @Db Functions that use ODBC

- Using @DbColumn
- Using @DbLookup
- Using @DbCommand

Mapping Data Between IBM® Lotus® Domino® and Relational Databases

Introducing IBM® Lotus® Domino® Enterprise Connection Services

- Data Mapping
- Data Mapping in Lotus® Domino®
- Using DECS
- How DECS Communicates with the External Data Source
- Capabilities of DECS

Working with DECS

- The DECS Server Task
- Working with the DECS Administrator Database

Using Data Connection Resources

- Working with DCRs
- The DECS Administrator Database and DCRs
- Using DCRs
- Creating a Data Source Resource for ODBC Access
- Creating a DCR
- Basic Properties of a DCR
- Optional Properties of a DCR
- Associate a Form with a DCR
- Mapping Fields to External Table Fields
- Importing External Data
- Enabling a Lotus® Domino® Database to Use DCRs

Adding Workflow to IBM® Lotus® Domino® Applications

Defining Workflow

- Benefits of Automating the Process

- Elements of Workflow
- Using a Workflow Diagram
- Example of an Expense Reimbursement Workflow Diagram
- Workflow Elements of the Expense Reimbursement Process

Routing Workflow Objects in IBM® Lotus® Domino®

- The Routing Process
- Ways to Route Documents Making a Mail Database Known to the Router Making an Application Database Known to the Router

Designing Workflow

- Triggering Workflow
- Identifying the Recipient
- Identifying the Data to Send
- Sending the Data

Notifying Users

- Sending a Doclink Using @MailSend

Routing Entire Documents

- Examples of Routing Entire Documents
- Configuring the Application to Route Documents
- Enabling Recipients to Read Documents
- Using a Form Formula in a View

Sending the Current Document

- Defining the SendTo Field
- Creating a SendTo Field
- Using @MailSend Without Parameters
- Using the Present Send Mail Dialog Property
- Using the MailSend @command
- Using the Send Document Simple Action
- Using the MailOptions Field
- Forcing a Document to Route Using a MailOptions Field

Tracking Documents

- Collecting Information on the State of a Document
- Useful @functions for Creating a History Log
- Adding a Tracking Field to a Form
- Creating a Tracking View

Securing IBM® Lotus® Domino® Application Data

Limiting Who Can Read and Edit Sections

- Using Access-Controlled Sections
- Creating an Access-Controlled Section
- Limiting Who Can Edit a Section

Signing Documents and Mail

- Enabling Signing Documents and Mail Messages
- Creating a Sign-Enabled Field
- Signing an Access-Controlled Section

Encrypting Domino Data

- Determining What to Encrypt
- Types of Encryption Keys
- Using Public and Private Keys
- Using Secret Keys

Creating and Distributing Secret Keys

- Creating a New Secret Encryption Key
- Distributing Encryption Keys with E-mail
- Exporting a Secret Encryption Key to a File
- Merging an Encryption Key Received by E-Mail
- Importing an Encryption Key Received as a File

Encrypting Fields

- Enabling Encryption for a Field
- Applying Encryption
- Applying Encryption Automatically

- Providing a List of Secret Encryption Keys in a Field