

Chapter 1: Servlets

Overview of Servlets.....	1
A Simple Servlet.....	2
Interacting with Clients.....	3-4
Handling GET and POST Requests.....	5
Handling GET Requests.....	6
Handling POST Requests.....	7
Providing a Servlet Description.....	8
Saving Client State.....	9
Session Tracking.....	10-13
Using Cookies.....	14
Creating a Cookie.....	15-16
Setting Cookie Attributes.....	17
Sending the Cookie.....	18
Retrieving Cookies.....	19
Getting the Value of a Cookie.....	20

Chapter 2: JavaServer Pages

What is JSP.....	1-2
JSP Portability.....	3
Processing.....	4
Access Models: Client to JavaServer Page.....	5
Access Models: Client to Servlet.....	6
Access.....	7
Guidelines for Choosing Access Models.....	8
Coding a JavaServer Page.....	9
Write the JSP File.....	10-11
HTML and Component-centric Tag and Script-centered Tag.....	12
Test the JSP File.....	13
What Does a JSP Page Look Like?.....	14
JSP Directives.....	15
JSP Tags.....	16
Scripting Elements.....	17
Simple Application.....	18
The Page Directive.....	19
The Include Directive.....	20
Simple HTML Form.....	21
Code with Scriptlets.....	22
Handling HTML Forms.....	23
How to Create a Form.....	24
Java Bean Program.....	25
Property in JSP.....	26
Properties.....	27
Using the GET and POST Methods.....	28
Writing the Bean.....	29
Checking the Request Object.....	30
Getting Data from the Bean to the JSP Page.....	31
Useful Methods.....	32
Using Scripting Elements.....	33
The Difference Between <% , <%= , and <%!	34-35
Counter Scriptlet.....	36

Chapter 6: JDBC

Introduction.....	1
What Does JDBC Do?.....	2
JDBC is a Low-level API and a Base for Higher-level APIs.....	3
JDBC versus ODBC and other APIs.....	4
Two-tier Models.....	5
Three-tier Model.....	6
JavaSoft Framework.....	7
Connection.....	8
URLs in General Use.....	9
JDBC URLs.....	10-12
The "odbc" Subprotocol.....	13
Sending SQL Statements.....	14-15
Transactions.....	16
DriverManager.....	17
Keeping Track of Available Drivers.....	18
Establishing a Connection.....	19
Statement.....	20
Creating Statement Objects.....	21
Executing Statements Using Statement objects.....	22
Statement Completion.....	23
Closing Statement Objects.....	24
Using the Method Execute.....	25-26
ResultSet.....	27-28
Rows and Cursors.....	29
Columns.....	30
NULL Result Values.....	31
Mapping SQL and Java Types.....	32-41
Example.....	42-44

Chapter 7: JNDI

Naming Concepts.....	1-3
Directory Concepts.....	4-5
JNDI Overview.....	6-7
Naming Package.....	8-9
Directory Package.....	10
Naming Example.....	11

Chapter 8: Enterprise JavaBeans and J2EE

Server-side Component Architecture.....	1
Background.....	2
Why EJBs?.....	3
Object Distribution.....	4
Transaction Management.....	5
Platform Independence.....	6
Scalable Environment.....	7
Middle-tier Architecture.....	8
Development Roles.....	9
Java 2 Platform, Enterprise Edition.....	10
EJB: Enterprise JavaBeans.....	11-12
Web Containers and EJB Containers.....	13

The Number Guess Game JSP.....	37
Java Program.....	38-39
How to Add Error Pages.....	40
Core Syntax Commands.....	41

Chapter 3: Custom Tags in JSP Pages

Taglibs.....	1
What is a Custom Tag?.....	2
Declaring Tag Libraries.....	3
Types of Tags.....	4-5
Defining Tags.....	6
Tag Library Descriptors.....	7-8
Listener Element.....	9

Chapter 4: Java Message Service

What is Messaging?.....	1
JMS and the J2EE Platform.....	2
JMS API Architecture.....	3
Point-to-Point Messaging Domain.....	4
Publish/Subscribe Messaging Domain.....	5-6
JMS Programming Model.....	7
Administered Objects.....	8-10
Sessions.....	11
Message Producers.....	12
Message Consumers.....	13
Messages.....	14-16
Simple JMS Client.....	17-18
Receive Program.....	19-22
Send Program.....	23

Chapter 5: JAR Files

JAR Files.....	1
Using JAR Files: The Basics.....	2-3
Creating a JAR File.....	4-5
Viewing the Contents of a JAR File.....	6
Extracting the Contents of a JAR File.....	7
Modifying a Manifest File.....	8
Updating a JAR File.....	9-10
Running JAR-Packaged Software.....	11

Chapter 9: Packaging EJBs for the WebLogic Server Container

Required Steps for Packaging EJBs.....	1
Reviewing the EJB Source File Components.....	2
WebLogic Server EJB Deployment Files.....	3
Specifying and Editing the EJB Deployment.....	4
Manually Editing EJB Deployment Descriptors.....	5
Using the EJB Deployment Descriptor Editor.....	6-7
Setting WebLogic Server Deployment Mode.....	8