

Introduction to JavaServer Pages (JSP)

About the Course	1
What Will You Learn?.....	1
Who Is the Intended Audience?.....	1
Introductory Information	2
Runtime Environment.....	2
Tomcat Server Host	2
Tomcat Directory Structure	2
Environment Variables	3
Setting the Environment	3
Starting Tomcat.....	3
Execution Environment	3
Formatting Conventions.....	4
Editing JSP Pages	4
JSP Capabilities	4
Layered Software Architecture	5
Rudimentary HTML	7
Frames and Tables	7
Forms and Input Controls	8
JSP History.....	9
HTML	9
JavaScript.....	9
Java	9
Java Applets	9
Java Servlets.....	10
JSP.....	10
Review	10
Exercise 1.....	11
Basic JSP Syntax.....	12
Comments	12
Scripting Elements	12
Scriptlets.....	12
Declarations	13
Expressions	13
Directives	13
Actions	13
Switching Between HTML and the Scripting Elements.....	14
Review	14

Java in JSP	15
JSP Built-in Environment	15
Built-in Java Objects.....	15
Methods of the out Object	15
Using Methods.....	16
Java in JSP	16
Data.....	17
Operators.....	18
Control Statements.....	18
Functions and Methods.....	20
Built-In Methods.....	21
Scope.....	21
Interface to Functions/Methods	22
Review	23
Exercise 2.....	24
Reading Data from Pages: Buttons and Text Fields	25
Overview.....	25
Reading Data on the Server Using the request Object	28
Reading from Text Controls	30
Passwords.....	32
JSP to JSP	33
Review	34
Exercise 3.....	35
Reading Data from Pages: Check Boxes, Radio Buttons, Select Controls, and Others	36
More on Parameters in the request Object.....	36
Check Boxes	36
Radio Buttons.....	38
Select.....	39
Uploading Files.....	40
Image Controls.....	41
Delegating the Request	42
Named Targets	43
Parameter Names	44
Request Header	45
Review	45
Exercise 4.....	46
JSP Components: JavaBeans	47
Creating a Java Class	47
Creating a Java Package.....	48
Passing Data to Constructors	49
JavaBeans.....	50

<jsp:useBean>	50
Read-Only Property and <jsp:getProperty>.....	51
Write Property and <jsp:setProperty>	52
Selected Java Utility: Date and Calendar.....	53
Review	54
Exercise 5.....	55
Tracking Users with Sessions and Cookies	56
Hidden Controls.....	56
Cookies	56
Cookie Class Methods	56
HttpServletResponse Interface.....	57
Creating and Reading Cookies.....	57
Sessions.....	59
Review	60
Exercise 6.....	61
Selected Online JSP Resources.....	62