

Chapter 1: Servlets

You will learn:

- Servlet fundamentals.
- Interacting with clients.
- Handling GET and POST requests.
- Providing a servlet description.
- Saving client state.
- Session tracking.
- Cookie creation.
- Setting cookie attributes.
- Sending the cookie.
- Retrieving cookies.
- Getting the value of a cookie.

Chapter 2: JavaServer Pages

You will learn:

- JSP: purpose and function.
- How JavaServer Pages are processed.
- Coding a JavaServer Page.
- HTML and component-centric tag and script-centered tag.
- JavaServer page components.
- HTML form.
- Java Bean program.
- Property in JSP.
- GET and POST methods.
- Writing the bean.
- Scripting elements.
- Adding error pages.
- Core syntax commands.

Chapter 3: Custom Tags in JavaServer Pages

You will learn:

- Taglibs.
- Custom tag: purpose and function.
- Declaring tag libraries.
- Types of tags.
- Simple tags.
- Tags with attributes.
- Tags with bodies.
- Choosing between passing information as attributes or body.
- Tags that define scripting variables.
- Defining tags.
- Tag handlers.
- Tag library descriptors.
- Listener element.
- Tag element.

Chapter 4: Java Message Service

You will learn:

- Messaging: purpose and function.
- JMS and the J2EE platform.
- Point-to-point messaging domain.
- Publish/subscribe messaging domain.
- JMS programming model.
- Administered objects.
- Sessions.
- Message producers.
- Message consumers.
- Messages.
- Simple JMS client.
- Receive program.
- Send program.

Chapter 5: JAR Files

You will learn:

- JAR files: purpose and function.
- JAR files: the basics.
- JAR file creation.
- JAR file viewing.
- Extracting the contents of a JAR file.
- Modifying a manifest file.
- Updating a JAR file.
- JAR-packaged software.
- Applets packaged in JAR files.
- JAR files as applications.

Chapter 6: JDBC

You will learn:

- JDBC.
- Two-tier models.
- Three-tier models.
- JavaSoft framework.
- Connection.
- URLs in general use.
- JDBC URLs.
- Sending SQL statements.
- Transactions.
- DriverManager.
- Keeping track of available drivers.
- Establishing a connection.
- Using the method execute.

Chapter 7: Manipulating JDBC Output

You will learn:

- ResultSet.
- Rows and cursors.
- Columns.
- NULL result values.
- Mapping SQL and Java types.
- JDBC types mapped to Java types.
- Java types mapped to JDBC types.

Chapter 8: JNDI

You will learn:

- Naming concepts.
- Directory concepts.
- JNDI.
- Naming package.
- Directory package.
- Importing the JNDI classes.
- Creating an initial context.
- Looking up an object.
- Catching naming exception.

Chapter 9: Enterprise JavaBeans and J2EE

You will learn:

- Server-side component architecture.
- Object distribution.
- Transaction management.
- Platform independence.
- Scalable environment.
- Middle-tier architecture.
- Development roles.
- Java 2 Platform, Enterprise Edition.
- Enterprise JavaBeans - EJB.
- Web containers and EJB containers.

Chapter 10: Packaging EJBs for Server Container

You will learn:

- Steps for packaging EJBs.
- EJB source file components.
- WebLogic Server EJB deployment files.
- Specifying and editing the EJB deployment descriptors.
- EJB deployment descriptor editor.
- WebLogic Server deployment mode.
- Automatic mode for deployment.