



IT ACADEMY

COMPUTER INSTITUTE

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Advance Java Syllabus

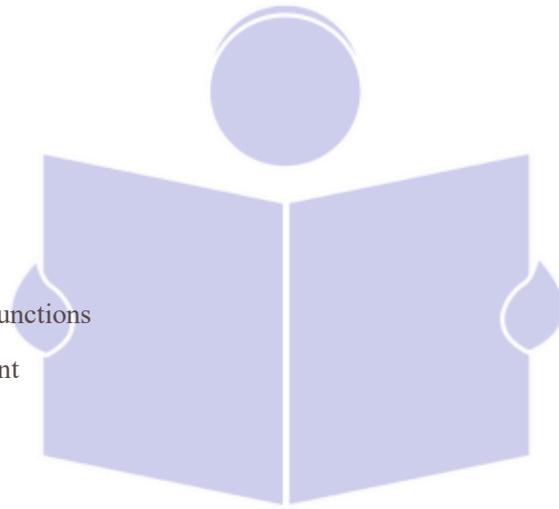
Collection

- ✓ Collection Framework
- ✓ ArrayList class
- ✓ LinkedList class
- ✓ ListIterator interface
- ✓ HashSet class
- ✓ LinkedHashSet class
- ✓ TreeSet class
- ✓ PriorityQueue class
- ✓ ArrayDeque class
- ✓ Map interface
- ✓ HashMap class
- ✓ LinkedHashMap class
- ✓ TreeMap class
- ✓ Hashtable class
- ✓ Comparable and Comparator
- ✓ Properties class

JDBC

- ✓ JDBC Drivers
- ✓ Steps to connect to the database
- ✓ Connectivity with Oracle
- ✓ Connectivity with MySQL
- ✓ Connectivity with Access without DSN
- ✓ DriverManager
- ✓ Connection interface
- ✓ Statement interface

- ✓ ResultSet interface
- ✓ PreparedStatement
- ✓ ResultSetMetaData
- ✓ DatabaseMetaData
- ✓ Storing image
- ✓ Retrieving image
- ✓ Storing file
- ✓ Retrieving file
- ✓ Stored procedures and functions
- ✓ Transaction Management
- ✓ Batch Processing
- ✓ JDBC New Features
- ✓ Mini Project



Servlet

Basics of Servlet

- ✓ Servlet: What and Why?
- ✓ Basics of Web
- ✓ Servlet API
- ✓ Servlet Interface
- ✓ GenericServlet
- ✓ HttpServlet
- ✓ Servlet Life Cycle
- ✓ Working with Apache Tomcat Server
- ✓ Steps to create a servlet in Tomcat
- ✓ How servlet works?
- ✓ servlet in Myeclipse
- ✓ servlet in Eclipse
- ✓ servlet in Netbeans

ServletRequest

- ✓ ServletRequest methods
- ✓ Registration example with DB

Servlet Collaboration

- ✓ RequestDispatcher
- ✓ sendRedirect

ServletConfig

- ✓ ServletConfig methods
- ✓ ServletConfig example

ServletContext

- ✓ ServletContext methods
- ✓ ServletContext example

Attribute

- ✓ How to set, get and remove example?

Session Tracking

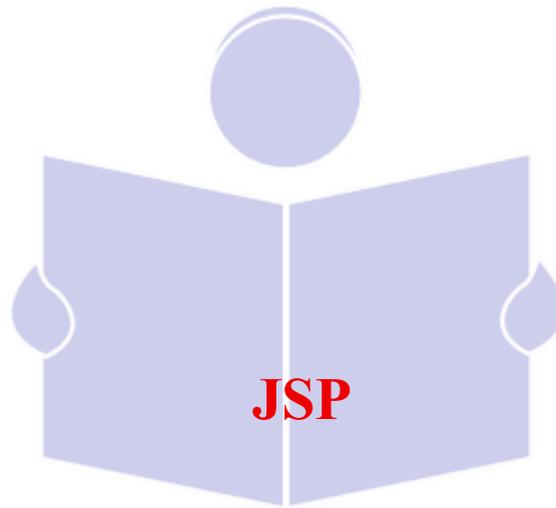
- ✓ Cookies
- ✓ Hidden Form Field

- ✓ URL Rewriting
- ✓ HttpSession

Event and Listener

Filter

- ✓ Filter
- ✓ Authentication Filter
- ✓ FilterConfig
- ✓ Useful examples



Basics of JSP

- ✓ Life cycle of JSP
- ✓ JSP API
- ✓ JSP in Eclipse and other IDE's

Scripting elements

- ✓ scriptlet tag
- ✓ expression tag
- ✓ declaration tag

9 Implicit Objects

- ✓ out
- ✓ request
- ✓ response
- ✓ config
- ✓ application
- ✓ session
- ✓ pageContext
- ✓ page
- ✓ exception

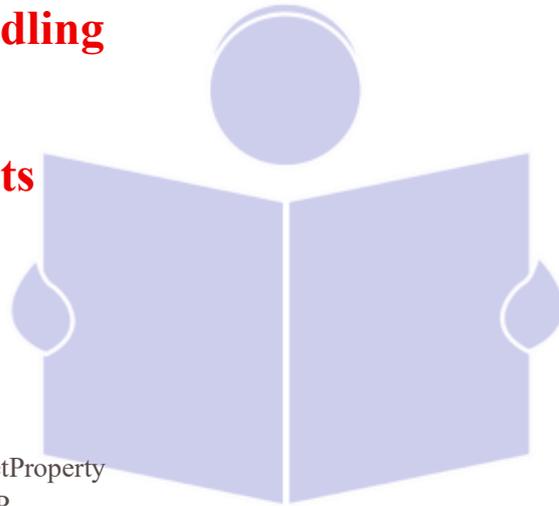
Directive Elements

- ✓ page directive
- ✓ include directive
- ✓ taglib directive

Exception Handling

Action Elements

- ✓ jsp:forward
- ✓ jsp:include
- ✓ Bean class
- ✓ jsp:useBean
- ✓ jsp:setProperty & jsp:getProperty
- ✓ Displaying applet in JSP



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