

Training Plan

Web Application Development using JSP and Web Services- Syllabus

Session 1

- a. Introduction to J2EE and WebApps.
- b. Understanding of Web Server (HTTP Server) and Application Server
- c. Detailed understanding of protocol and the purpose of an HTTP protocol in J2EE.
- d. Understanding of an Http Protocol instead of in connection with TCP/IP protocol
- e. Differences between Application server and Web Server.
- f. How to install an Apache Tomcat server.
- g. How to Configure Apache Tomcat server.

Session 2

- a. Introduction
- b. JSP Life cycle
 - Page translation
 - Page compilation
 - Page loading & Execution phase (init, jsp service, jsp destroy)
- c. Detailed understanding of Tags Comments & Declarations Scriptlets & Expressions

Session 3

- a. Detailed understanding of few more tags
 - Directive
 - Action
 - EL (Expression Language)
- b. Study of implicit Objects, the below needs to be studied very clearly.
 - Application
 - Config
 - Exception Out
 - Page & Page context Request, Response & Session

Session 4

- a. JSTL (JavaScript Tag Library)
- b. Custom Tags (Creating own Custom Tag)

Session 5

- a. Detailed study of Database Connectivity using JDBC
- b. Different Types of JDBC Drivers
- c. Connecting to MySQL DataBase using Type 4 Driver

Session 6

- a. Java Program to execute simple SQL select query using Statement and PreparedStatement.

- b. ResultSet SCROLL_INSENSITIVE, CONCUR_UPDATABLE
- c. Insert Statement, Update, Batch Update

Session 7:

- a. Introduction to web services.
- b. How to utilize web service in our web app

Students must develop CRUD application after this training program.