

Protec Computer Consultancy

Advance Java

Introduction:

A Java web application generates interactive web pages containing various types of markup language (HTML, XML, and so on) and dynamic content. It is typically comprised of web components such as Java Server Pages (JSP), servlets and JavaBeans to modify and temporarily store data, interact with databases and web services, and render content in response to client requests.

Course Contents :

Duration: 60 hrs

1) HTML

(4 ½ hrs)

- i) Introduction
- ii) Formatting tags
- iii) List,
- iv) Table
- v) Forms

2) CSS

(3 hrs)

- i) Inline
- ii) External
- iii) Embedded

3) Java Script

(4 ½ hrs)

- i) Introduction
- ii) Basic programs
- iii) Events
- iv) validations
- v) Regex Expression

4) JDBC

(12 hrs)

- i) Statement
- ii) Prepared Statement
- iii) Resultset
- iv) Batch Statement
- v) Binary Statements(blob)
- vi) Character Statements(clob)

5) Servlets

(13 hrs)

- i) Introduction
- ii) Life Cycle Of Servlet
- iii) Database Manipulation
- iv) Page Navigation

- v) Data Navigation
- vi) State management/Session Tracking
 - (a) Session management
 - (b) Cookies
 - (c) URL Rewriting
- vii) Servlet Context
- viii) Servlet Config
- ix) Listener
 - (a) Request
 - (b) Context
 - (c) Session
- x) Filter API

6) JSP(Java Server pages)

(13 ½ hrs)

- i) Introduction
- ii) Page Architecture of JSP
- iii) Implicit Object Of JSP
- iv) Database Manipulation
- v) Error Page
- vi) Expression Language(EL)
- vii) JSP Standard Tag Library
 - (a) Core
 - (b) FMT(formatting)
 - (c) XML
 - (d) SQL

7) Hibernate Framework (3.*)

(7 ½ hrs)

- i) Creation
- ii) Database manipulation
- iii) HQL(Hibernate Query Language)

8) Ajax

(2 hrs)