

UNIT : 6

Reference :- Marty Hall, Larry Brown, "Core Servlets and JavaServer Pages Volume - 1", Pearson Education, 2nd ed.(2004)
Chapter :- 10 : Overview of JSP Technology

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Java Server Pages

JSP Technology enables to mix regular, static HTML with dynamically generated content.

Architecturally, JSP may be viewed as a high-level abstraction of Java servlets. JSPs are translated into servlets at runtime; each JSP's servlet is cached and re-used until the original JSP is modified

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Summary of JSP construct

- HTML Text
 - HTML content to be passed unchanged to the client.
 - E.g. `<h1> Hello </h1>`

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Summary of JSP construct

- HTML Comments
 - HTML comment sent to the client but not displayed to browser.
 - E.g. `<!-- hello -->`

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Summary of JSP construct

- Template Text
 - Text sent unchanged to client. HTML text and HTML comment are special cases of this.

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Summary of JSP construct

- JSP Comment
 - Developer comment that is not sent to the client.
 - E.g. `<%-- test --%>`

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Summary of JSP construct

- JSP Expression
 - Expression that is evaluated and sent to the client each time the page is requested
 - E.g. `<%= Java Value %>`

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Summary of JSP construct

- JSP Scriptlet
 - Statement or Statements that are executed each time the page is requested.
 - E.g. `<% Java Statement %>`

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Summary of JSP construct

- JSP Declaration
 - Field or method that becomes part of class definition when page is translated into a servlet.
 - E.g. `<%! Field Definition %>`
 - `<%! Method Definition %>`

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Summary of JSP construct

- JSP Directives
 - High level information about the structure of the servlet code(page), code that is included at page-translation time(include) or custom tag libraries used(taglib).
 - E.g. `<%@ directive att="val" %>`

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Summary of JSP construct

- JSP Action
 - Action that takes place when the page is requested.
 - E.g. `<jsp:blah>....</jsp:blah>`

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Summary of JSP construct

- JSP Action
 - Action that takes place when the page is requested.
 - E.g. `<jsp:test>....</jsp:test>`

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Summary of JSP construct

- JSP Expression language element
 - Shorthand JSP Expression.
 - E.g. `${ EL Expression }`

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Summary of JSP construct

- Custom Tag (Custom Action)
 - Invocation of custom tag
 - `<prefix:name> body </prefix:name>`

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Summary of JSP construct

- Escaped Template Text
 - Text that will otherwise be interpreted specially.
 - Slash is removed and remaining text is sent to client.
 - `<\\% %\>`

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