

Java Full Stack Lab Manual - JDBC Experiment

Aim

To write and run a simple JSP file that outputs basic HTML content and demonstrates the use of JSP scripting elements.

Technologies Used

Java, JSP, Apache Tomcat, HTML

Directory Structure

```
SimpleJSPApp/  
|  
+- hello.jsp  
+- WEB-INF/  
    +- web.xml
```

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hello.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8" %>
<html>
<head><title>Simple JSP Page</title></head>
<body>
    <h2>Welcome to JSP!</h2>

    <%
        String name = "Madhu";
        out.println("<p>Hello, " + name + "!</p>");
    %>

    <p>Today's date is: <%= new java.util.Date() %></p>
</body>
</html>
```

web.xml

```
<web-app xmlns="http://xmlns.jcp.org/xml/ns/javaee"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://xmlns.jcp.org/xml/ns/javaee
    http://xmlns.jcp.org/xml/ns/javaee/web-app_3_1.xsd"
    version="3.1">

    <welcome-file-list>
        <welcome-file>hello.jsp</welcome-file>
    </welcome-file-list>

</web-app>
```

How to Run

1. Place `hello.jsp` and `WEB-INF/web.xml` inside a folder named `SimpleJSPApp`.
2. Deploy this folder in the `webapps` directory of Apache Tomcat.
3. Start Tomcat server.
4. Open browser and visit: <http://localhost:8080/SimpleJSPApp/>

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Expected Output

```
Welcome to JSP!  
Hello, Madhu!  
Today's date is: Thu Jul 04 17:52:00 IST 2025
```

Result

Successfully created and displayed a simple JSP page that outputs a message and dynamic content like the current date.