PRACTICAL 6 (E & F) – JSP COMBINED PRACTICALS

GENERAL SETUP FOR ALL JSP PRACTICALS (PRACTICAL 6)

This section explains the complete setup required to execute all JSP practicals in NetBeans IDE 7.x. These steps are common for Practical 6(A) to 6(F).

STEP 1: Install Java Development Kit (JDK)

1. Download JDK 7 or JDK 8 from Oracle website
2. Install JDK and note the installation path
3. Set JAVA_HOME environment variable
4. Verify installation using command: java -version

STEP 2: Install Apache Tomcat Server

1. Download Apache Tomcat 7.x
2. Extract Tomcat to a directory (e.g., C:\apache-tomcat-7)
3. Remember Tomcat username and password if configured

STEP 3: Configure Tomcat in NetBeans

1. Open NetBeans IDE 7.x
2. Go to Tools → Servers
3. Click Add Server
4. Select Apache Tomcat
5. Provide Tomcat installation path
6. Finish server configuration

STEP 4: Create Web Application Project

1. File → New Project
2. Java Web → Web Application
3. Provide project name
4. Select Apache Tomcat as server
5. Finish project creation

PRACTICAL 6(E) – APPLICATION FORM FOR CHANGE OF STUDY CENTER

A JSP-based application form is designed for students who want to apply for change of study center.

AIM

To design a JSP application form for change of study center using server-side processing.

SOURCE CODE – studycenter.jsp

```
<html>
<body>
<h2>Application for Change of Study Center</h2>
<form action="submit.jsp" method="post">
Student Name: <input type="text" name="name"><br><br>
Roll No: <input type="text" name="rollno"><br><br>
Current Study Center: <input type="text" name="current"><br><br>
Requested Study Center: <input type="text" name="requested"><br><br>
Reason:<br>
<textarea name="reason"></textarea><br><br>
<input type="submit" value="Submit Application">
</form>
</body>
</html>
```

SOURCE CODE – submit.jsp

```
<html>
<body>
<h2>Application Submitted</h2>
<%
String name = request.getParameter("name");
String rollno = request.getParameter("rollno");
String current = request.getParameter("current");
String requested = request.getParameter("requested");
String reason = request.getParameter("reason");
%>

Student Name: <%= name %><br>
Roll No: <%= rollno %><br>
Current Study Center: <%= current %><br>
Requested Study Center: <%= requested %><br>
Reason: <%= reason %><br>
</body>
</html>
```

EXECUTION STEPS – PRACTICAL 6(E)

1. Create JSP files studycenter.jsp and submit.jsp
2. Paste respective code
3. Run project
4. Open studycenter.jsp
5. Fill form and submit

PRACTICAL 6(F) – JSP TAGS DEMONSTRATION

This practical demonstrates JSP directives, declaration, scriptlet, expression, and use of header and footer.

AIM

To demonstrate various JSP elements such as directives, declaration, scriptlet, expression, header and footer.

SOURCE CODE – header.jsp

```
<html>
<body>
<h3>Welcome to JSP Practical</h3>
<hr>
```

SOURCE CODE – footer.jsp

```
<hr>
<h4>© JSP Practical</h4>
</body>
</html>
```

SOURCE CODE – main.jsp

```
<%@ page import="java.util.Date" %>
<%@ include file="header.jsp" %>

<%!
int count = 0;
%>

<%
count++;
%>

Current Date: <%= new Date() %><br>
Visitor Count: <%= count %>

<%@ include file="footer.jsp" %>
```

EXECUTION STEPS – PRACTICAL 6(F)

1. Create header.jsp, footer.jsp, and main.jsp
2. Paste code accordingly
3. Run project
4. Access main.jsp to see output

RESULT

Thus, JSP Application Form and JSP tags were successfully implemented along with complete environment setup for JSP practicals.