Add Student

Name: Narendra Modi

Age: 19

Add Student

Show students with age < 20

Students with Age < 20

ID	Name	Age
14	Narendra Modi	19
13	Parthsarthi Pradhan	16
12	Rahul Gandhi	16

Add another

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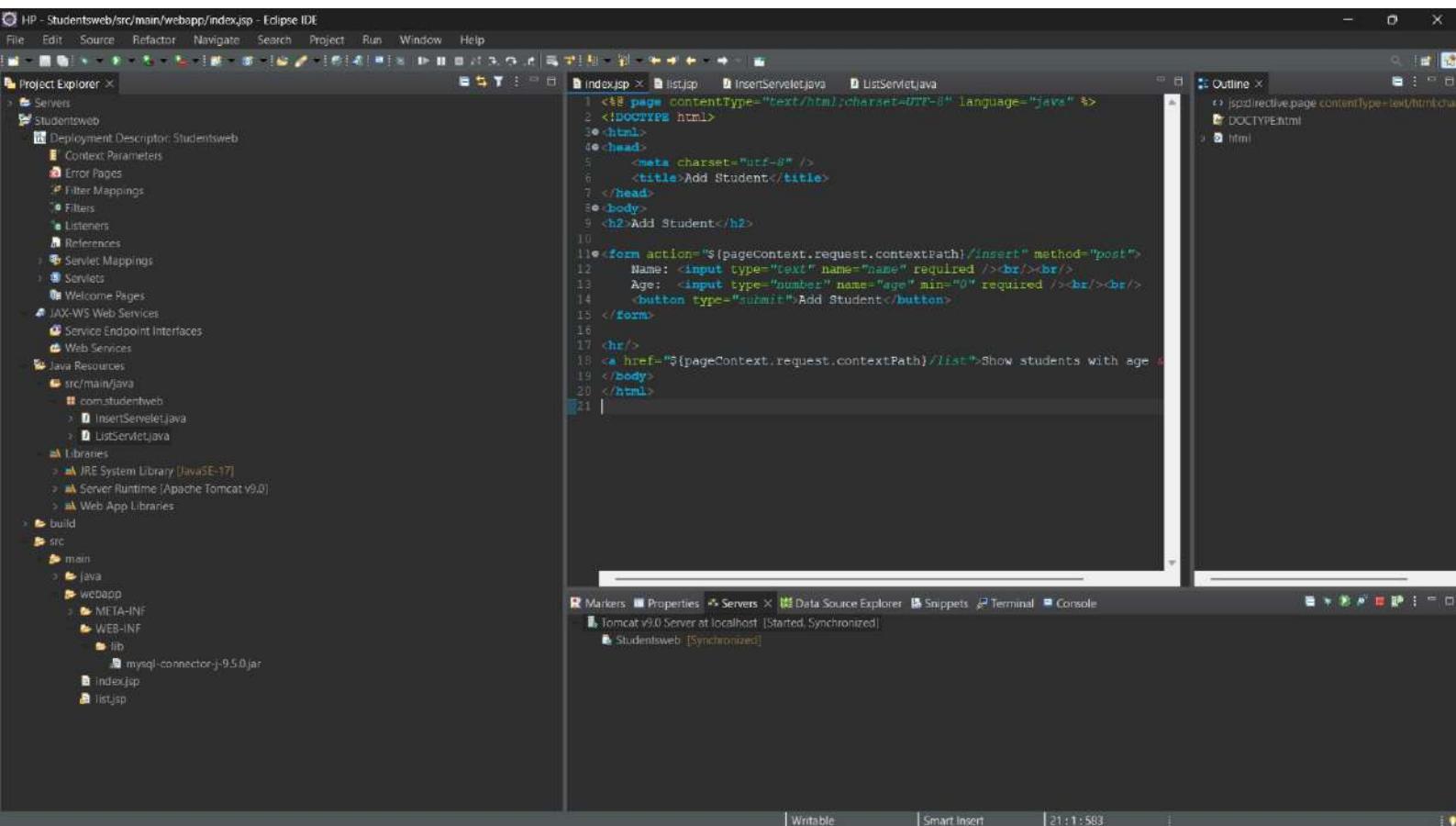   - index.jsp
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Tabs: index.jsp ×   list.jsp   InsertServlet.java   ListServlet.java

```jsp
1  <%@ page contentType="text/html;charset=UTF-8" language="java" %>
2  <!DOCTYPE html>
3  <html>
4  <head>
5      <meta charset="utf-8" />
6      <title>Add Student</title>
7  </head>
8  <body>
9  <h2>Add Student</h2>
10
11 <form action="${pageContext.request.contextPath}/insert" method="post">
12     Name: <input type="text" name="name" required /><br/><br/>
13     Age:  <input type="number" name="age" min="0" required /><br/><br/>
14     <button type="submit">Add Student</button>
15 </form>
16
17 <hr/>
18 <a href="${pageContext.request.contextPath}/list">Show students with age
19 </body>
20 </html>
21
```

Outline ×
- jsp:directive.page contentType=text/html;cha
- DOCTYPE:html
- html

Markers   Properties   **Servers** ×   Data Source Explorer   Snippets   Terminal   Console

- Tomcat v9.0 Server at localhost [Started, Synchronized]
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index.jsp   list.jsp ×   InsertServlet.java   ListServlet.java

```jsp
1  <%@ page contentType="text/html;charset=UTF-8" language="java" %>
2  <%@ page import="java.util.List" %>
3  <%@ page import="com.studentweb.ListServlet.SimpleStudent" %>
4  <!DOCTYPE html>
5  <html>
6  <head>
7      <meta charset="utf-8"/>
8      <title>Students under 20</title>
9  </head>
10 <body>
11 <h2>Students with Age &lt; 20</h2>
12
13 <%
14     Object o = request.getAttribute("students");
15     if (o == null) {
16 %>
17     <p>No data. <a href="<%= request.getContextPath() %>/index.jsp">Add a
18 <%
19     } else {
20         List<SimpleStudent> students = (List<SimpleStudent>) o;
21         if (students.isEmpty()) {
22 %>
23     <p>No students found with age &lt; 20.</p>
24     <p><a href="<%= request.getContextPath() %>/index.jsp">Add a student</
25 <%
26         } else {
27 %>
28     <table border="1" cellpadding="6" cellspacing="0">
29         <tr><th>ID</th><th>Name</th><th>Age</th></tr>
30 <%
31             for (SimpleStudent s : students) {
```

Outline ×

- jsp:directive.page contentType=text/html;char...
- jsp:directive.page import=java.util.List
- jsp:directive.page import=com.studentweb.Lis...
- DOCTYPE:html
- html

Markers   Properties   Servers ×   Data Source Explorer   Snippets   Terminal   Console

- Tomcat v9.0 Server at localhost [Started, Synchronized]
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index.jsp   list.jsp   InsertServelet.java ×   ListServlet.java

```java
1  package com.studentweb;
2
3  import java.io.IOException;
4  import java.sql.Connection;
5  import java.sql.DriverManager;
6  import java.sql.PreparedStatement;
7  import javax.servlet.ServletException;
8  import javax.servlet.annotation.WebServlet;
9  import javax.servlet.http.HttpServlet;
10 import javax.servlet.http.HttpServletRequest;
11 import javax.servlet.http.HttpServletResponse;
12
13 @WebServlet("/insert")
14 public class InsertServelet extends HttpServlet {
15     private static final long serialVersionUID = 11;
16
17     // Update these if your MySQL credentials differ
18     private static final String JDBC_URL  = "jdbc:mysql://localhost:3306/s
19     private static final String JDBC_USER = "root";
20     private static final String JDBC_PASS = "";
21
22     // simple HTML escape to avoid XSS in later display
23     private String escapeHtml(String s) {
24         if (s == null) return null;
25         return s.replace("&", "&amp;")
26                 .replace("<", "&lt;")
27                 .replace(">", "&gt;")
28                 .replace("\"", "&quot;")
29                 .replace("'", "&#x27;");
30     }
31
```

Outline ×
- com.studentweb
  - InsertServelet

Markers Properties Servers × Data Source Explorer Snippets Terminal Console

Tomcat v9.0 Server at localhost [Started, Synchronized]
    Studentsweb [Synchronized]

1 item selected