

C:\xampp\tomcat\webapps\ROOT

```
<%@ page contentType="text/html; charset=UTF-8" %>
```

```
<html>
```

```
<head><title>Hello Web App</title></head>
```

```
<body>
```

```
    <h1>Hello, this is a simple JSP page!</h1>
```

```
</body>
```

```
</html>
```

<http://localhost:8080/trial.jsp>

localhost/phpmyadmin/

Table: cse

create table studentname (firstname varchar(80), lastname varchar(80));

form.jsp

```
<html>
```

```
<body>
```

```
    <form action="reg.jsp" method="POST">
```

```
        First Name: <input type="text" name="fname"><br/>
```

```
        Last Name: <input type="text" name="lname"><br/>
```

```
        <input type="submit" value="Insert">
```

```
    </form>
```

```
</body>
```

```
</html>
```

Reg.jsp

```
<%@ page import="java.sql.*" %>

<%

String first_name = request.getParameter("fname");

String last_name = request.getParameter("lname");

try {

    Class.forName("com.mysql.jdbc.Driver");

    Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/cse",
"root", "");

    Statement st = con.createStatement();

    st.executeUpdate("insert into studentname(firstname,lastname) values('" + first_name
+ "','" + last_name + "')");

    out.print("Registration Successful! <a href='form.jsp'>Insert Again</a>");

    con.close();

} catch(Exception e) {

    out.print("Error: " + e.getMessage());

}

%>
```

Display.jsp

```
<%@ page import="java.sql.*" %>

<html>

<body>

<h2>Student Data</h2>

<table border="1" align="center">

<tr><th>First Name</th><th>Last Name</th></tr>

<%

try {

    Class.forName("com.mysql.jdbc.Driver");
```

```
Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/cse",
"root", "");

Statement st = con.createStatement();

ResultSet rs = st.executeQuery("select firstname, lastname from studentname");
while(rs.next()) {

    out.print("<tr><td>" + rs.getString(1) + "</td><td>" + rs.getString(2) + "</td></tr>");

}

con.close();
} catch(Exception e) {

    out.print("Error: " + e.getMessage());

}

%>

</table>

</body>

</html>
```

Index.jsp

```
<html>

<head>

    <title>Student JSON Form</title>

</head>

<body>

    <h2>Enter Student Info</h2>

    <form action="jsonhandler.jsp" method="POST">

        Name: <input type="text" name="name" /><br/>

        Age: <input type="text" name="age" /><br/>

        <input type="submit" value="Submit" />

    </form>
```

```
</body>
```

```
</html>
```

```
[jsonhandler.jsp]
```

```
<%@ page import="org.json.JSONObject" %>
```

```
<%
```

```
String name = request.getParameter("name");
```

```
String age = request.getParameter("age");
```

```
JSONObject student = new JSONObject();
```

```
student.put("name", name);
```

```
student.put("age", age);
```

```
%>
```

```
<html>
```

```
<body>
```

```
<h2>Student JSON Output</h2>
```

```
<p><strong>Raw JSON:</strong> <%= student.toString() %></p>
```

```
<p><strong>Name:</strong> <%= student.get("name") %></p>
```

```
<p><strong>Age:</strong> <%= student.get("age") %></p>
```

```
</body>
```

```
</html>
```

```
import React, { useState } from 'react';
```

```
const App = () => {
```

```
  const [students, setStudents] = useState([]);
```

```
  const [name, setName] = useState("");
```

```
const [age, setAge] = useState("");
```

```
const addStudent = (e) => {  
  e.preventDefault();  
  if (!name || !age) return alert("Enter both fields");  
  const newStudent = { id: Date.now(), name, age };  
  setStudents([...students, newStudent]);  
  setName("");  
  setAge("");  
};
```

```
const deleteStudent = (id) => {  
  setStudents(students.filter((s) => s.id !== id));  
};
```

```
return (  
  <div style={{ padding: '20px' }}>  
    <h2>Student Manager (ReactJS)</h2>  
    <form onSubmit={addStudent}>  
      <input  
        value={name}  
        onChange={(e) => setName(e.target.value)}  
        placeholder="Name"  
      />  
      <input  
        value={age}  
        onChange={(e) => setAge(e.target.value)}  
        placeholder="Age"
```

```
    />

    <button type="submit">Add Student</button>

  </form>

  <h3>Student List</h3>

  <ul>

    {students.map((s) => (
      <li key={s.id}>

        {s.name} {s.age}

        <button onClick={() => deleteStudent(s.id)}>Delete</button>

      </li>

    ))}

  </ul>

</div>

);

};

export default App;
```