Experiment 8

```java
import java.io.*;

import javax.servlet.*;

import javax.servlet.http.*;


public class LoginServlet extends HttpServlet {


    protected void doPost(HttpServletRequest request, HttpServletResponse response)

        throws ServletException, IOException {


        response.setContentType("text/html");

        PrintWriter out = response.getWriter();


        String username = request.getParameter("username");

        String password = request.getParameter("password");


        // Dummy check (in real-world apps, check from DB)
        if ("admin".equals(username) && "1234".equals(password)) {

            out.println("<html><body>");

            out.println("<h2>Welcome, " + username + "!</h2>");

            out.println("</body></html>");

        } else {

            out.println("<html><body>");

            out.println("<h2>Invalid username or password!</h2>");

            out.println("</body></html>");

        }

    }

}
```

```
<h2>Welcome, admin!</h2>
```

B)

```java
 import java.io.*;

import java.sql.*;

import javax.servlet.*;

import javax.servlet.http.*;


public class EmployeeServlet extends HttpServlet {


    protected void doGet(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {


        response.setContentType("text/html");

        PrintWriter out = response.getWriter();


        String empId = request.getParameter("id");


        out.println("<html><body>");

        out.println("<h2>Employee Information</h2>");


        try {
            // Load JDBC driver
            Class.forName("com.mysql.cj.jdbc.Driver");


            // Connect to database
            Connection con = DriverManager.getConnection(
                "jdbc:mysql://localhost:3306/company", "root", "password"); // change credentials
```

```java
Statement stmt = con.createStatement();

ResultSet rs;


if (empId != null && !empId.isEmpty()) {

    rs = stmt.executeQuery("SELECT * FROM employees WHERE id = " + empId);

} else {

    rs = stmt.executeQuery("SELECT * FROM employees");

}


out.println("<table border='1'><tr><th>ID</th><th>Name</th><th>Salary</th></tr>");

boolean found = false;

while (rs.next()) {

    found = true;

    out.println("<tr><td>" + rs.getInt("id") + "</td><td>" +

            rs.getString("name") + "</td><td>" +

            rs.getDouble("salary") + "</td></tr>");

}

out.println("</table>");


if (!found) {

    out.println("<p>No employee found with ID: " + empId + "</p>");

}


con.close();

} catch (Exception e) {

out.println("<p>Error: " + e.getMessage() + "</p>");

}
```

```
        out.println("</body></html>");

    }

}
```

```
Employee Information

| ID | Name   | Salary |
|----|--------|--------|
| 2  | Bob    | 60000  |
```

```
Employee Information

| ID | Name      | Salary |
|----|-----------|--------|
| 1  | Alice     | 50000  |
| 2  | Bob       | 60000  |
| 3  | Charlie   | 55000  |
```

c)

```
import java.io.*;

import java.sql.*;

import javax.servlet.*;

import javax.servlet.http.*;


public class AttendanceServlet extends HttpServlet {


    protected void doPost(HttpServletRequest request, HttpServletResponse response)
        throws ServletException, IOException {


        response.setContentType("text/html");
```

```java
PrintWriter out = response.getWriter();

String rollNo = request.getParameter("rollNo");
String date = request.getParameter("date");
String status = request.getParameter("status");

try {
    Class.forName("com.mysql.cj.jdbc.Driver");
    Connection con = DriverManager.getConnection(
        "jdbc:mysql://localhost:3306/student_portal", "root", "password"); // update
credentials

    String query = "INSERT INTO attendance (roll_no, date, status) VALUES (?, ?, ?)";
    PreparedStatement ps = con.prepareStatement(query);

    ps.setString(1, rollNo);
    ps.setString(2, date);
    ps.setString(3, status);

    int i = ps.executeUpdate();

    out.println("<html><body>");
    if (i > 0) {
        out.println("<h3>Attendance Submitted Successfully!</h3>");
    } else {
        out.println("<h3>Failed to Submit Attendance.</h3>");
    }
    out.println("</body></html>");
```

```java
        con.close();

    } catch (Exception e) {

        out.println("<p>Error: " + e.getMessage() + "</p>");

    }

  }
}
```