

EXPERIMENT – 3.3

Student Name: SANSKAR AGRAWAL**UID: 20BCS5914****Branch: CSE****Section/Group: 20BCS_MM_806-‘B’****Semester: 5****Subject Name: Project based Learning in Java****AIM OF THE PRACTICAL:** To understand the Oracle and SQL with backend as JAVA code.**TASK TO BE DONE:** Create a JSP application with a facility to

- Login to the application
- Register a new user
- Change password for an existing user.

An application for Online Auction using HTML and Servlet. Use the database to store and retrieve records.

CODES:

Index.html

```
<html>
<head><title>JSP With JDBC</title></head>
<body>
<h1><a href="Register.html" >New User Register Here</a></h1>
<h1><a href="Login.html" >Click Here to Login</a></h1>
</body>
</html>
```

Register.html

```
<html><head><title>New User Registration Page</title></head>
<body>
<form action="Register.jsp" >
<h1> New User Registration Page</h1>
Enter User Name <input type="text" name="txtName" ><br>
Enter Password <input type="password" name="txtPass1" ><br>
Re-Enter Password<input type="password" name="txtPass2" ><br>
Enter Email<input type="text" name="txtEmail" ><br>
Enter Country Name <input type="text" name="txtCon" ><br>
<input type="reset" ><input type="submit" value="REGISTER" >
</form>
</body>
</html>
```

Register.jsp

```
<%@page contentType="text/html" import="java.sql.*"%>
<html><body>
    <h1>Registration JSP Page</h1>
    <%
        String uname=request.getParameter("txtName");
        String pass1 = request.getParameter("txtPass1");
        String pass2 = request.getParameter("txtPass2");
        String email = request.getParameter("txtEmail");
        String ctry = request.getParameter("txtCon");
        if(pass1.equals(pass2)){
            try{
                Class.forName("com.mysql.jdbc.Driver");
                Connection con =
                DriverManager.getConnection("jdbc:mysql://localhost:3306/logindb","root","tiger");
                PreparedStatement stmt = con.prepareStatement("insert into user values (?,?,?,?)");
                stmt.setString(1, uname); stmt.setString(2, pass1); stmt.setString(3, email);
                stmt.setString(4, ctry); int row = stmt.executeUpdate();
                if(row==1) { out.println("Registration Successful"); }
            } else {
                out.println("Registration FFFFFAAAIILLLL !!!!");
            }
            %>
            <jsp:include page="Register.html" ></jsp:include>
        }
    }catch(Exception e){out.println(e);}
    }
    else
    { out.println("<h1>Password Mismatch</h1>");
    %>
    <jsp:include page="Register.html" ></jsp:include>
    <% }
    %>
    </body>
</html>
```

Login.html

```
<html>
<body>
    <h1>Login Page</h1>
    <form action="Login.jsp" >
        Enter User Name <input type="text" name="txtName" ><br>
```

```

Enter Password <input type="password" name="txtPass" ><br>
<input type="reset" ><input type="submit" value="~~~LOGIN~~" >
</br></br>
<a href="ChangePassword.html" >Facing issue? click here to change password</a>
</form>
</body>
</html>

```

Login.jsp

```

<% @page contentType="text/html" import="java.sql.*"%>
<html><body>
    <h1>Registration JSP Page</h1>
    <%
        String uname=request.getParameter("txtName");
        String pass = request.getParameter("txtPass");    try{
        Class.forName("com.mysql.jdbc.Driver");
        Connection con =
        DriverManager.getConnection("jdbc:mysql://localhost:3306/logindb","root","tiger");
        PreparedStatement stmt = con.prepareStatement("select password from user where
        username=?");
        stmt.setString(1, uname);
        ResultSet rs = stmt.executeQuery();
        if(rs.next()){
            if(pass.equals(rs.getString(1)))
            {
                out.println("<h1>~~~ LOGIN SUCCESSFULL ~~~ </h1>");
            }
        }
        else{
            out.println("<h1>User Name not exist !!!!!</h1>");
        }
        %>
        <jsp:include page="Register.html" ></jsp:include>
        <%
        }
        }catch(Exception e){out.println(e);}
        %>
    </body>
</html>

```

ForgotPassword.html

```

<html>
<body>
    <h1>Forgot Password Page</h1>

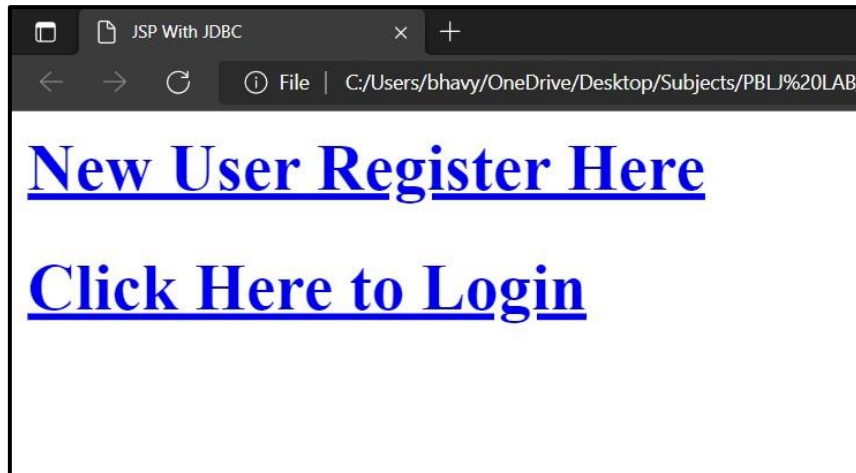
```

```
<form action="ChangePasswd.jsp" >
  Enter User Name <input type="text" name="txtName" >
  <input type="reset" ><input type="submit" value="~~~SUBMIT~~" >
</form>
</body>
</html>
```

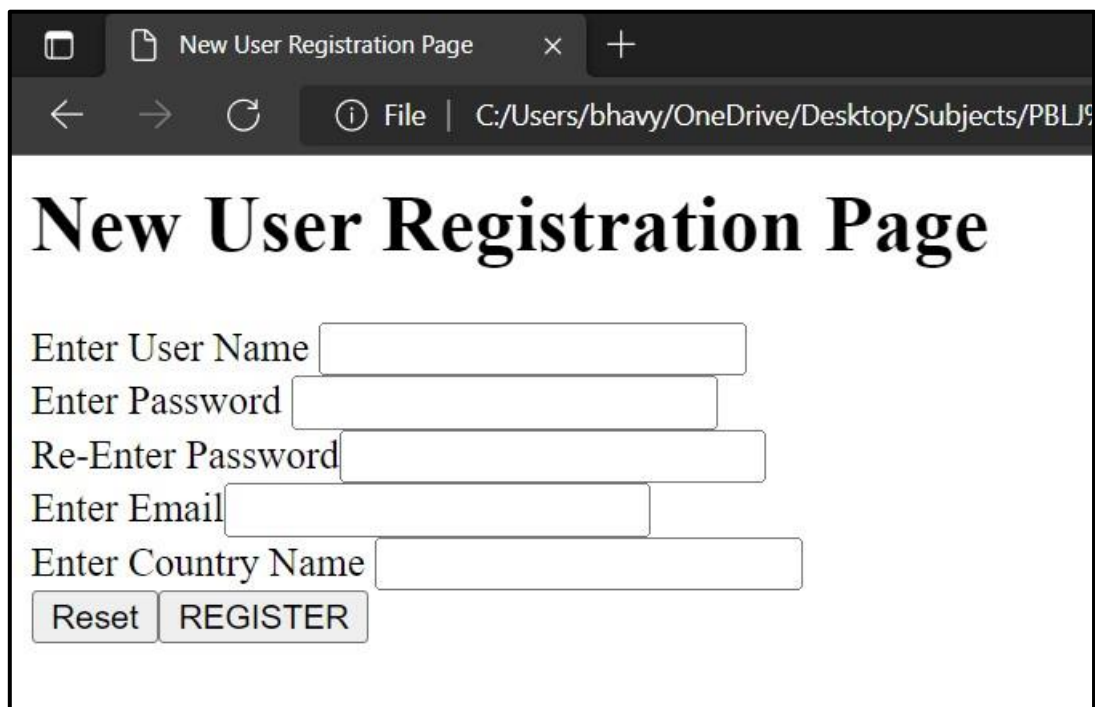
ForgotPassword.jsp

```
< % @page contentType="text/html" import="java.sql. *" %>
<html><body>
  <h1>Forgot Password JSP Page</h1>
  <%
    String uname=request.getParameter("txtName");
    try{
      Class.forName("com.mysql.jdbc.Driver");
      Connection con =
      DriverManager.getConnection("jdbc:mysql://localhost:3306/loginadb","root","tiger");
      PreparedStatement stmt = con.prepareStatement("select email from user where username=?");
      stmt.setString(1, uname);
      ResultSet rs = stmt.executeQuery();
      if(rs.next()){
        if(rs.getString(1).length() > 0)
        {
          out.println("<h1>~~~ SEND LINK TO CHANGE PASSWORD ~~~ </h1>");
        }
      }
      else{
        out.println("<h1>User Name not exist !!!!!</h1>");
      }
      %>
      <jsp:include page="ChangePasswd.html" ></jsp:include>
      <%
      }
      }catch(Exception e){out.println(e);}
      %>
    </body>
  </html>
```

OUTPUTS:



Running the application



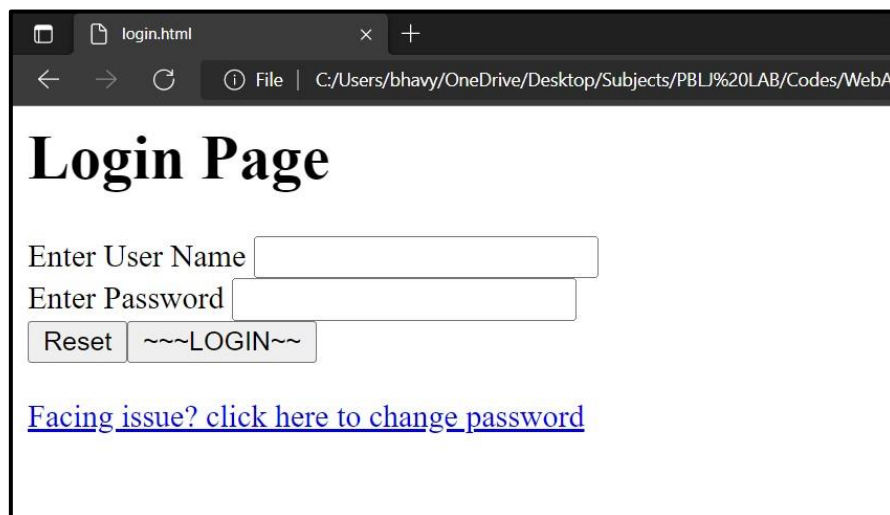
The screenshot shows a web browser window with the title 'New User Registration Page'. The address bar shows the file path 'C:/Users/bhavy/OneDrive/Desktop/Subjects/PBLJ%20LAB/'. The main content area displays the title 'New User Registration Page' in a large, bold, black serif font. Below the title, there are five input fields with labels: 'Enter User Name', 'Enter Password', 'Re-Enter Password', 'Enter Email', and 'Enter Country Name'. At the bottom of the form, there are two buttons: 'Reset' and 'REGISTER'.

Registering as new user

Registration JSP Page

Registration Successful

Successfully Registered



login.html

File | C:/Users/bhavy/OneDrive/Desktop/Subjects/PBLJ%20LAB/Codes/WebAp

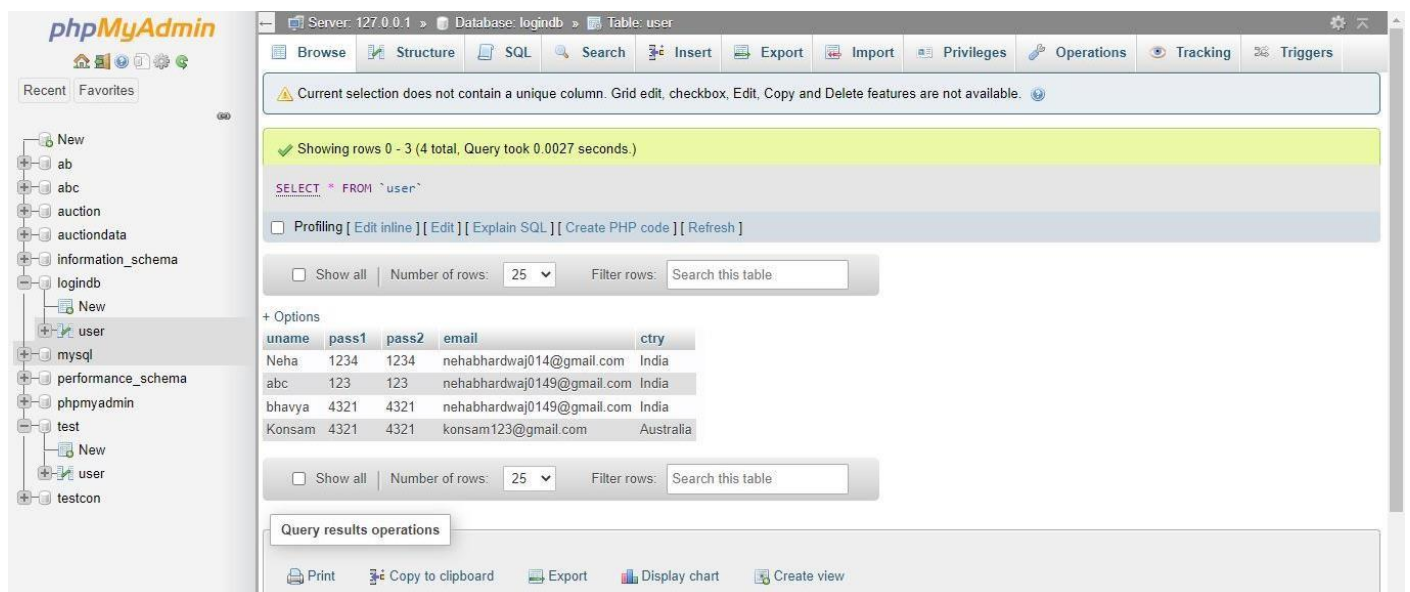
Login Page

Enter User Name

Enter Password

[Facing issue? click here to change password](#)

Login as a registered user



phpMyAdmin

Server: 127.0.0.1 » Database: logindb » Table: user

Browse Structure SQL Search Insert Export Import Privileges Operations Tracking Triggers

Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

Showing rows 0 - 3 (4 total, Query took 0.0027 seconds.)

SELECT * FROM `user`

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 | Filter rows: Search this table

+ Options

uname	pass1	pass2	email	ctry
Neha	1234	1234	nehabhardwaj014@gmail.com	India
abc	123	123	nehabhardwaj0149@gmail.com	India
bhavya	4321	4321	nehabhardwaj0149@gmail.com	India
Konsam	4321	4321	konsam123@gmail.com	Australia

☐ Show all | Number of rows: 25 | Filter rows: Search this table

Query results operations

Information stored in Database of Registered Users

LEARNING OUTCOMES:

1. Learnt about inheritances in JAVA.
2. Learnt to make code more efficient and maintainable by using Code refactoring.
3. Learnt how to implement object-oriented designs with Java.
4. Learnt about packages in Java.
5. Learnt about conditional statements in Java.

EVALUATION GRID:

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.			
2.			
3.			