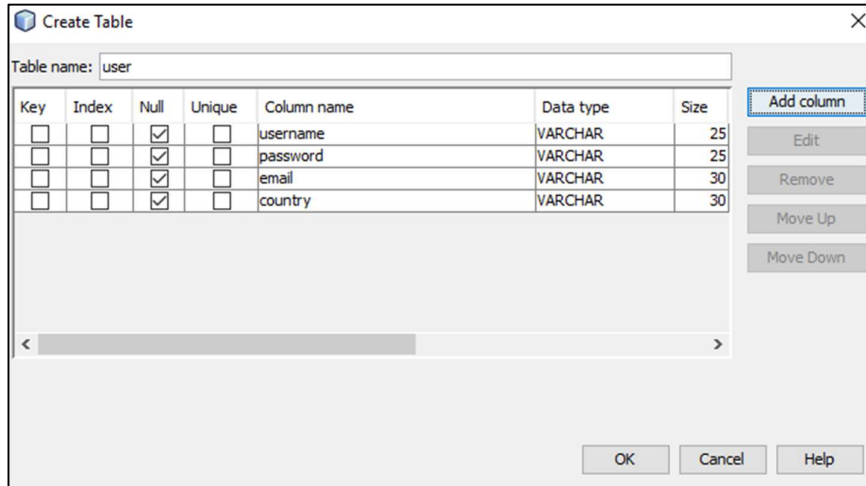


Practical No. 6(a)

Q. Create a registration and login JSP application to register and authenticate the user based on username and password using JDBC.

Create a database **logindb** and create a table **user**.



Key	Index	Null	Unique	Column name	Data type	Size
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	username	VARCHAR	25
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	password	VARCHAR	25
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	email	VARCHAR	30
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	country	VARCHAR	30

Add **mysql-connector-java-5.1.23-bin.jar** file to Library folder of your web application.

index.html

```
<html>
  <head>
    <title>TODO supply a title</title>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
  </head>
  <body>
    <a href="login.html"> <h1>Click here Login</h1></a>
    <a href="register.html"><h1>New User Registration</h1></a>
  </body>
</html>
```

login.html

```
<html>
  <head>
    <title>Login Page</title>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
  </head>
  <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><br>
        <input type="submit" value="~~Login~~">&nbsp;&nbsp;&nbsp;<input type="reset">
    </form>
</body>
</html>

```

register.html

```

<html>
    <head>
        <title>User Register Page</title>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width, initial-scale=1.0">
    </head>
    <body>
        <form action="Registration.jsp">
            <h1>New User Registration Page</h1>
            Enter Username: <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="email" text="txtEmail"><br>
            Enter Country Name:
            <select name="txtCon">
                <option>India</option>
                <option>Pakistan</option>
                <option> Somalia</option>
                <option> USA</option>
            </select>
            <br><br><input type="submit" value="Register">&nbsp;&nbsp;&nbsp;<input type="reset">
        </form>
    </body>
</html>

```

Registration.jsp

```

<%@page contentType="text/html" pageEncoding="UTF-8" import="java.sql.*"%>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>Registration Page</title>
    </head>
    <body>
        <h1>Registration JSP</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","");
        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 Sucessful");
        }
        else
        {
            out.println("Registration Failed");
            %>
            <jsp:include page="index.html"></jsp:include>
            <%
        }
    }
}
catch(Exception e)
{
    out.println(e);
}
}
else
{
    out.println("<h1> Password Mismatch</h1>");
    %>
    <jsp:include page="registration.html"></jsp:include>
    <%
}
%>

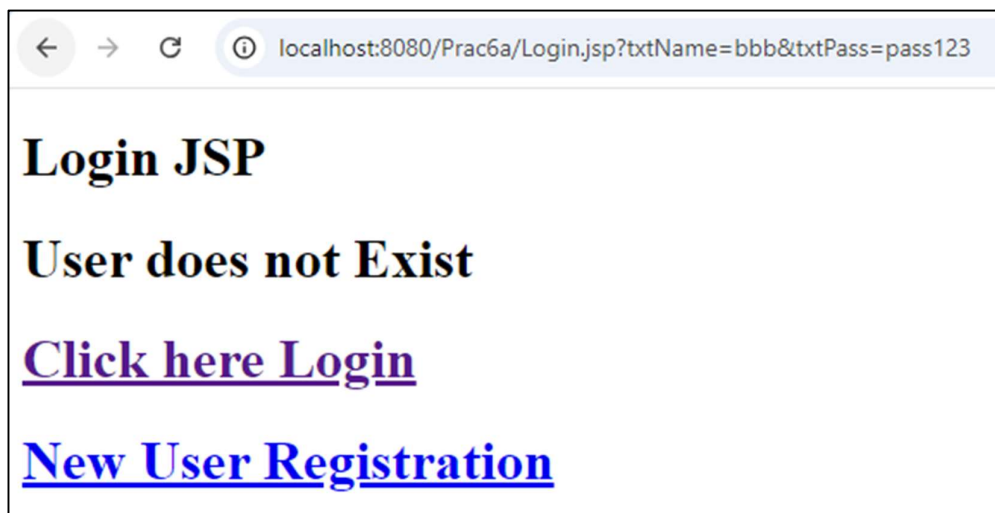
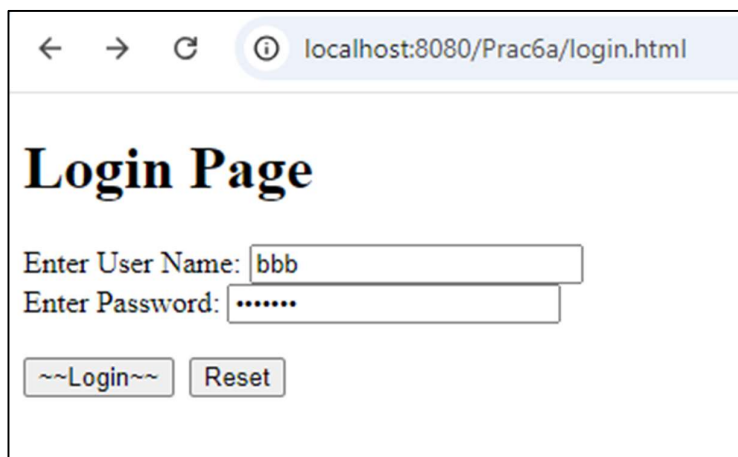
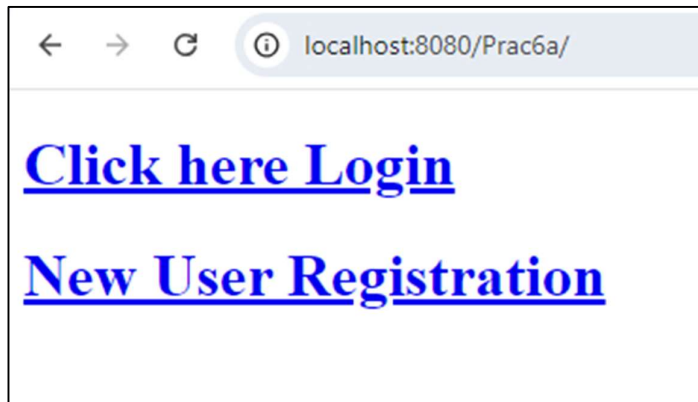
</body>
</html>

```

Login.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8" import="java.sql.*"%>
<!DOCTYPE html>
<html>
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>Login JSP</title>
  </head>
  <body>
    <h1>Login JSP</h1>
    <%
      String uname=request.getParameter("txtName");
      String pass=request.getParameter("txtPass");
      ResultSet rs= null;
      try
      {
        Class.forName("com.mysql.jdbc.Driver");
        Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/logindb","root","");
        Statement stmt = con.createStatement();
        rs = stmt.executeQuery("select password from where username='"+uname+"'");
        rs.next();
        if(pass.equals(rs.getString(1)))
        {
          out.println("<h1> ~~Login Successfull~~</h1>");
        }
        else
        {
          out.println("<h1>Password does not match!!</h1>");
          %>
          <jsp:include page="login.html"></jsp:include>
          <%
            }
          }
        catch(Exception e)
        {
          out.println("<h1>User does not Exist</h1>");
          %>
          <jsp:include page="index.html"></jsp:include>
          <%
            }
          }
        %>
      </body>
    </html>
```

Output:



← → ↻ ⓘ localhost:8080/Prac6a/register.html

New User Registration Page

Enter Username:

Enter Password:

Re-enter Password:

Enter Email:

Enter Country Name:

← → ↻ ⓘ localhost:8080/Prac6a/Registration.jsp?txtName=aaa&txtPass1=qwerty&txtPass2=qwerty&txtCon=India

Registration JSP

Registration Sucessful

#	username	password	email	country
1	aaa	qwerty	aaa@gmail.com	India

← → ↻ ⓘ localhost:8080/Prac6a/login.html

Login Page

Enter User Name:

Enter Password:

← → ↻ ⓘ localhost:8080/Prac6a/Login.jsp?txtName=aaa&txtPass=qwerty

Login JSP

~~Login Successfull~~

← → ↻ 🌐 localhost:8080/Prac6a/login.html

Login Page

Enter User Name:

Enter Password:

← → ↻ 🌐 localhost:8080/Prac6a/Login.jsp?txtName=aaa&txtPass=123456

Login JSP

Password does not match!!

Login Page

Enter User Name:

Enter Password:

Practical No. 6(b)

Q. Create an html page with fields empid, ename, age, salary. Now submit this data to a JSP page which will update the employee table of the database with matching eid.

Create a database **logindb** and create a table **emp**.

Key	Index	Null	Unique	Column name	Data type	Size
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	empid	VARCHAR	10
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ename	VARCHAR	20
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	age	VARCHAR	3
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	salary	VARCHAR	10

Inserting Emp data into **emp** table.

#	empid	ename	age	salary
1	1	Ritesh	28	30000
2	2	Om	30	40000

index.html

```
<html>
  <head>
    <title>Employee</title>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
  </head>
  <body>
    <form action="UpdateEmp.jsp">
      Enter Employee ID : <input type="text" name="txtEid" ><br>
      Enter Name : <input type="text" name="txtEname" ><br>
      Enter Age : <input type="text" name="txtAge" ><br>
      Enter Salary : <input type="text" name="txtSal"><br>
      <input type="reset" ><input type="submit">
    </form>
  </body>
```


</html>

UpdateEmp.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8" import="java.sql.*"%>
<!DOCTYPE html>
<html>
  <head>
    <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
    <title>Update Employee</title>
  </head>
  <body>
    <h1>Employee Record Update</h1>
    <%
      String eid = request.getParameter("txtEid");
      String name = request.getParameter("txtEname");
      String age = request.getParameter("txtAge");
      String sal = request.getParameter("txtSal");
      try {
        Class.forName("com.mysql.jdbc.Driver");
        Connection con =
          DriverManager.getConnection("jdbc:mysql://localhost:3306/logindb","root","");
        PreparedStatement pstmt = con.prepareStatement("select *from emp where empid=?");
        pstmt.setString(1,eid);
        ResultSet rs = pstmt.executeQuery();
        if(rs.next())
        {
          out.println("<h1>~~~~~Employee "+name+" Exist~~~~~</h1>");
          PreparedStatement pst1 = con.prepareStatement("Update emp set salary=? where
empid=?");
          PreparedStatement pst2 = con.prepareStatement("Update emp set age=? where
empid=?");
          PreparedStatement pst3 = con.prepareStatement("Update emp set ename=? where
empid=?");
          pst1.setString(1,sal);
          pst1.setString(2,eid);
          pst2.setString(1,age);
          pst2.setString(2,eid);
          pst3.setString(1,name);
          pst3.setString(2,eid);
          pst1.executeUpdate();
          pst2.executeUpdate();
          pst3.executeUpdate();
        }
        else
        {
          out.print("<h1>Employee record does not exists..!!</h1>");
        }
      }
    %>
```

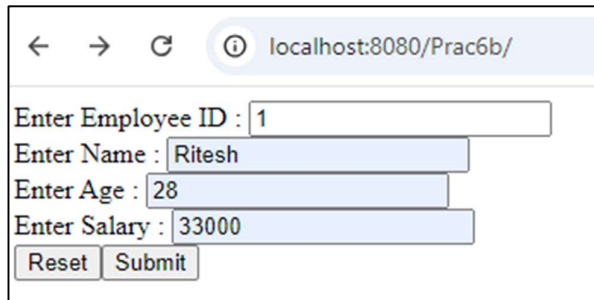
```

        catch(Exception e)
        { out.println(e); }

%>
</body>
</html>

```

Output:




#	empid	ename	age	salary
1	1	Ritesh	28	33000
2	2	Om	30	40000

