<u>**Online Banking Application**</u>

SQL Database Name: register

First Table Name: user

id	username	password
1	sai	sai
2	jyothi	jyothi

Second Table Name: bank

id	username	ano	balance
1	sai	123	2000
2	jyothi	456	2000

Account Login Page (login.jsp):

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
     pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">
</head>
<body>
<body>
       <form name="loginform" method="post" action="authentication.jsp">
               <br> <br>
               <table align="center">
                       <tr>
                               <td><h2>Login Authentication</h2></td>
                       </tr>
               </table>
               <table width="300px" align="center"
                       style="border: 1px solid #000000; background-color: #efefef;">
                       <tr>
                               <td colspan=2></td>
                       </tr>
                       <tr>
                               <td colspan=2> </td>
                       </tr>
                       <tr>
                               <td><b>Login Name</b></td>
                               <td><input type="text" name="username" value=""></td>
```

```html
			</tr>
			<tr>
					<td><b>Password</b></td>
					<td><input type="password" name="password" value=""></td>
			</tr>

			<tr>

					<td></td>
					<td><input type="submit" name="Submit" value="Submit"></td>
			</tr>
			<tr>

					<td colspan=2> </td>
			</tr>

		</table>
	</form>
</body>
</html>
```

Output:

Database Connection (authentication.jsp):

```jsp
<%@ page language="Java" import="java.sql.*"%>
<%@ page language="Java" import="java.lang.*"%>
<%
	Connection conn = null;
String url = "jdbc:mysql://localhost:3306/";
String dbName = "register";
String driver = "com.mysql.jdbc.Driver";
String userName = "root";
String password = "root";
try {
	Class.forName(driver).newInstance();
	conn = DriverManager.getConnection(url + dbName, userName, password);
	if (request.getParameter("username") != null && request.getParameter("username") != ""
	&& request.getParameter("password") != null && request.getParameter("password") != "") {
```

```
            String username = request.getParameter("username");
            String userpass = request.getParameter("password");
            Statement st = conn.createStatement();
            ResultSet rs = st
            .executeQuery("select * from user where username='" + username + "' and password='" +
userpass + "'");
            int count = 0;
            if (rs.next()) {
%>
<a href="webpage1.jsp">Bank Transaction</a>
<%
        } else {
response.sendRedirect("login.jsp");
}


}
} catch (Exception e) {
}
%>
```

Output:

Bank Transaction

Fund Transfer Page (webpage1.jsp):

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
        pageEncoding="ISO-8859-1"%>
<!DOCTYPE html>
<html>
<head>
<meta charset="ISO-8859-1">

</head>
<body>

        <form method="post" action="webpage22.jsp">
                <table>
                        <tr>
                                <td>Account No</td>
                                <td><input type="text" name="no"></td>
                        </tr>
```

```html
                        <tr>
                            <td>Transfer Amount</td>
                            <td><input type="text" name="amount"></td>
                        </tr>
                        <tr>

                            <td>To Account No</td>
                            <td><input type="text" name="to"></td>
                        </tr>
                        <tr>

                            <td style="text-align:center"></td>
                            <td><input type="submit" value="Fund Transfer"></td>
                        </tr>
                </table>
        </form>

</body>
</html>
```

Output:

Transaction (Webpage22.jsp):

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

<%
        int acc1 = Integer.parseInt(request.getParameter("no"));
int bal = Integer.parseInt(request.getParameter("amount"));
int acc2 = Integer.parseInt(request.getParameter("to"));

try {
        Class.forName("com.mysql.jdbc.Driver");
        Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/register", "root",
"root");
        Statement st = con.createStatement();

        ResultSet rs = st.executeQuery("select balance from bank where ano='" + acc1 + "'");
```

```
        int balance1 = 0;
        while (rs.next()) {
                balance1 = rs.getInt("balance");
        }
        ResultSet rs1 = st.executeQuery("select balance from bank where ano='" + acc2 + "'");

        int balance2 = 0;
        while (rs1.next()) {
                balance2 = rs1.getInt("balance");
        }

        int bal1 = balance1 - bal;
        int bal2 = balance2 + bal;

        st.addBatch("update bank set balance=" + bal1 + " where ano='" + acc1 + "'");
        st.addBatch("update bank set balance=" + bal2 + " where ano='" + acc2 + "'");
        st.executeBatch();
        out.println("Transaction is successfully done.");
        } catch (Exception e) {
}
%>
```
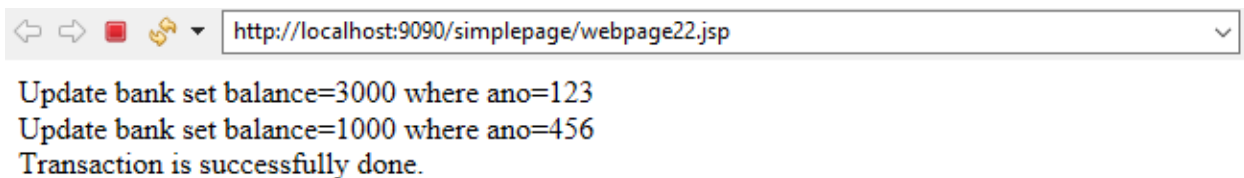
Output:

| http://localhost:9090/simplepage/webpage22.jsp |

Update bank set balance=3000 where ano=123
Update bank set balance=1000 where ano=456
Transaction is successfully done.

After updating the balances of the Accounts in the Database:

id	username	ano	balance
1	sai	123	3000
2	jyothi	456	1000